APPENDIX A

The complete 2017 Durango-La Plata County Airport Master Plan can be found online at: www.flydurango.com. For reference, the Master Plan Executive Summary is provided in this appendix.

Destination:
DRO

Durango-La Plata County Airport

Master Plan

EXECUTIVE SUMMARY

Draft
FEBRUARY 2016

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EXECUTIVE SUMMARY

Introduction

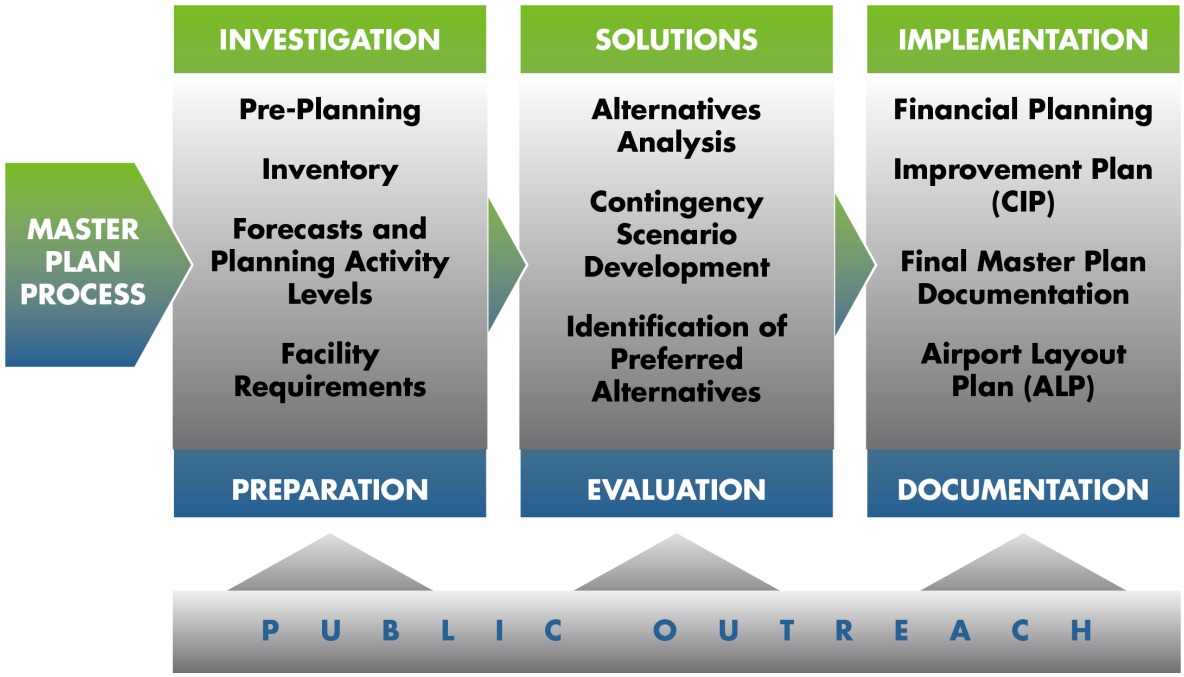
This master plan documents an extensive process to identify the future of the Durango-La Plata County Airport (DRO or the Airport). The product of the study is a long-range airport plan that leaders and staff can implement to achieve transportation objectives for Durango and the Four Corners Region. The study period covers 2015 to 2035, which is expected to see significant change in airline activity and economic growth in the region. This executive summary provides an overview to the study results and conclusions.

The Master Plan is a 20-year plan to understand the needs of current and future users of the Airport. This is important to ensure that safe and orderly development occurs in a manner that is reflective of the community's values and goals. The plan is developed through a purposeful, inclusive, and educational process.

Study Process

FAA specifies the master plan study process in advisory circulars that guide airports and consultants in their preparation. Master plans can also be tailored to meet the specific needs of the individual airport. For this study, the process was divided into three main study phases as shown in **Figure 1 -**

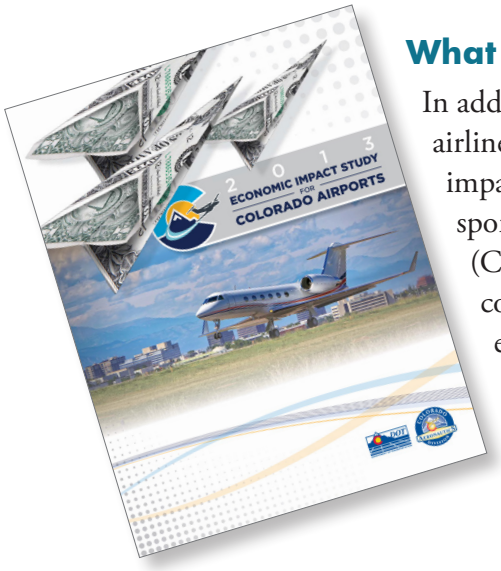
FIGURE 1 - THE MASTER PLAN PROCESS



Source: Jviation

The Master Plan Process.

A Planning Advisory Committee (PAC) provided input during each phase. Many different types of public outreach were used to ensure that the study reflected the community's desires and direction for airport facilities as the Airport responds to past growth and prepares for the future of airline travel. The PAC met five times to provide valuable technical input and guidance. In addition, the study team provided study updates to joint study sessions of the governing bodies for La Plata County and the City of Durango, as well as presentations to each separate governing body in their regularly scheduled sessions. This was supplemented by many other meetings, press briefings, open houses, white papers, videos, surveys, focus groups, and presentations to civic groups in order to reach the public and provide them with key study output and to receive their feedback.



What does the Airport provide for our region?

In addition to providing a location to start and complete an airline trip, DRO contributes a tremendous amount of economic impact to the region. The 2013 Economic Impact Study, sponsored by the Colorado Department of Transportation (CDOT) Division of Aeronautics, concludes that the Airport contributes over $282 million annually to the region's economy, and supports 2,646 jobs in the region.

Jobs	Payroll	Output
2,646	$94.5 million	$282.3 million

Investigation Phase

Existing Facilities

The investigation phase begins with the evaluation of existing facilities. Most importantly, DRO's airfield facilities meet or exceed FAA's requirements for the aircraft the Airport is designed to accommodate. This includes the runway, the taxiway system, and the electronic navigational aids (NAVAIDs).

However, there are significant deficiencies in the passenger handling facilities owing to the rapid growth over the past 10 years. Further complicating the shortfall is the location of the existing airport facilities. While the Airport has abundant land that can be connected to the airfield and used for aviation purposes, only a portion of that land has been improved to date. The existing development area, which is nearly built out, is situated between the airfield and terrain that drops sharply down to the Florida River. Thus, the total increases in capacity for passenger services needed for the full 20-year study period are not easily implemented and likely to require significant funding.

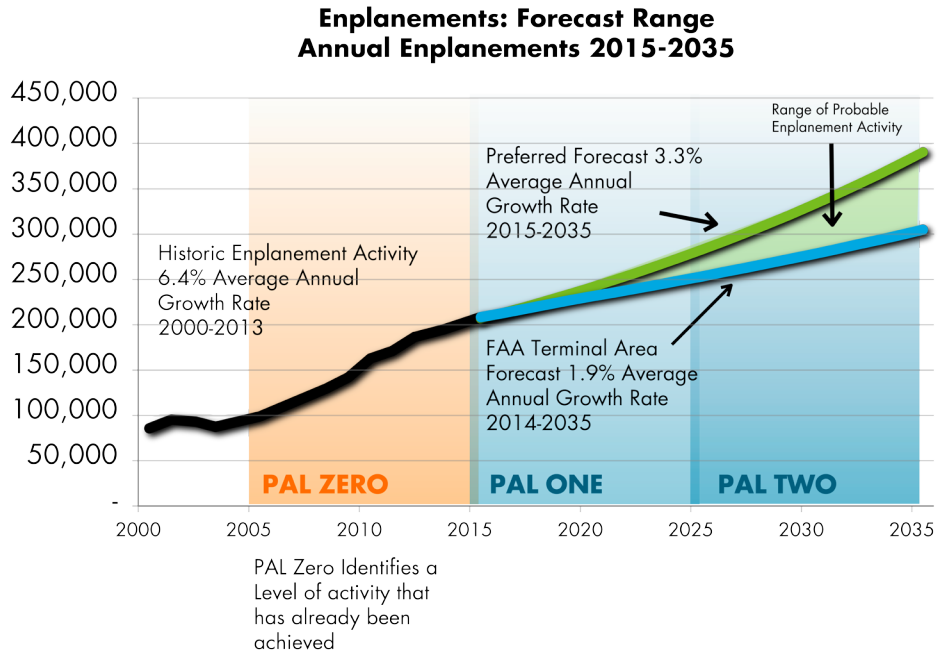
General aviation facilities, along with a parcel leased to the U.S. Forest Service, round out the existing development. The remainder of the Airport's land is either undeveloped, reserved for agricultural use, or not suitable for aviation use due to terrain that limits access to the airfield.

Forecasts

Quantifying the needed passenger facilities begins with an understanding of the demand for future aviation services. Following FAA criteria for the development of aviation forecasts, planners identified two growth scenarios covering the 20-year period from 2015 to 2035. When graphed as shown in **Figure 2 - Enplanements Forecast**, the historical activity shows the dramatic growth since 2005 along with the two growth scenarios.

Figure 2 also shows three different Planning Activity Levels (PALs). The total activity has been divided into 10-year intervals to enable planners to identify the intermediate activity levels that will be used to determine the recommended amount of terminal capacity for each phase of the Capital Improvement Program.

FIGURE 2 - ENPLANEMENTS FORECAST



Source: Jviation

A summary of forecasts shows that passenger enplanements are projected to nearly reach 400,000 by the end of the study period. This is four times the annual passenger level that the current terminal facilities were designed to accommodate.

TABLE 1 - FORECAST SUMMARY

	2015	2020	2025	2030
Passenger Enplanements	205,594	241,427	283,505	332,917
Peak Hour Enplanements	263		340	
Commercial Operations	7,965	8,471	9,010	9,583
General Aviation Operations	21,475	23,487	25,429	27,528
Based Aircraft	72	77	82	87

Source: Jviation, 2014

Facility Requirements

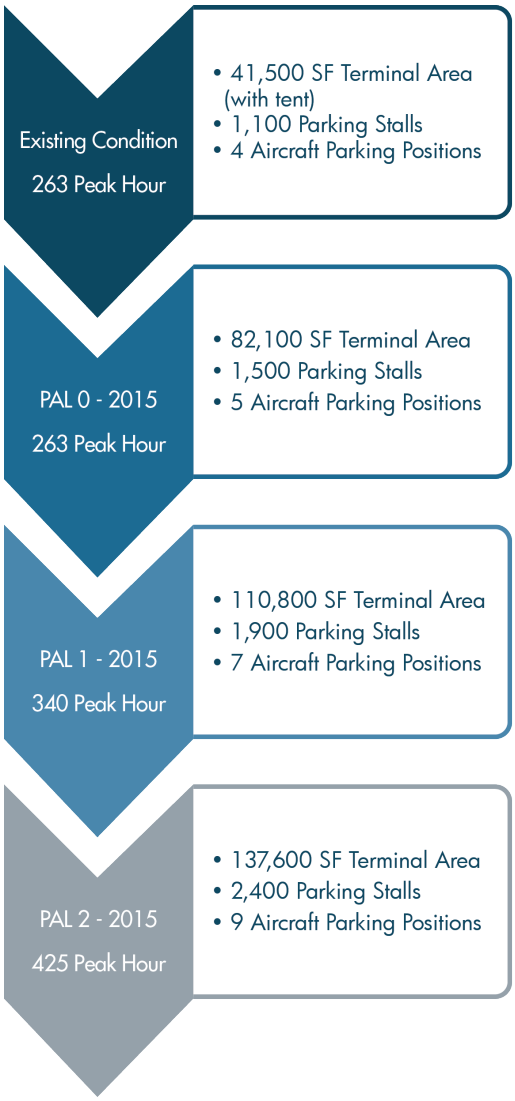
The third element of the investigation phase is the determination of the facilities needed to meet the expected demand levels. The requirements for major terminal facility components are shown in **Figure 3 - Facility Requirements**. The upper two chevrons highlight the difference between the present facilities and the capacity required to meet industry standards for today's passenger activity.

This clearly presents the challenge for the master plan. The terminal needs to triple in size and the plan needs to identify room to park more than twice as many cars on a constrained site.

Other critical facility requirements relate to the reservation of sufficient area for the growth of general aviation facilities and reservation of land that can be leased for aviation development. The Airport has an adequate inventory of land that can be developed, but only the land in the current terminal area is reasonably feasible for private development. With that land nearly built out and vacant land not currently accessible by aircraft or public roadways, it is not presently feasible for private development.

The remaining facilities required during the planning period are those that are normally needed to operate a thriving and growing airport. These projects are identified in the Capital Improvement Program which is contained in the full narrative report in **Chapter 7, Capital Improvement Program & Financial Implementation**.

FIGURE 3 - FACILITY REQUIREMENTS



Solutions Phase

Alternatives Considered

Three main alternatives were developed that are capable of meeting the needs identified in the facility requirements. Two alternatives are focused on keeping the terminal on, or adjacent to, its present location, while the third relocates the terminal complex to undeveloped land across the runway.

The alternatives were evaluated using the following criteria that were developed in consultation with the Planning Advisory Committee.

Quantitative

- Complies with FAA safety and design standards
- Maximizes operational efficiency
- Meets the 20-year facility requirements as defined in the Master Plan, plus has room to grow
- Balances benefits with costs

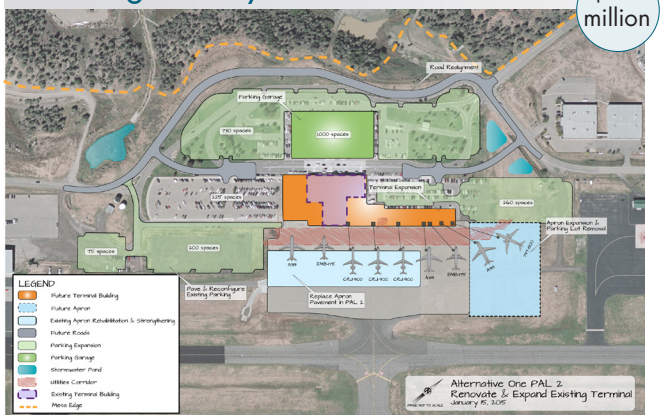
Qualitative

- Promotes safety and efficiency of Airport operations
- Enhances security of Airport and airline operations
- Improves customer satisfaction/convenience
- Fosters Durango/Four Corners' image
- Minimizes construction phasing impacts to tenants and users
- Incorporates sustainable design elements where appropriate
- Sensitive to environmental resources

Renovate and expand existing terminal building

Alternative One
Planning Activity Level 2 - 2035

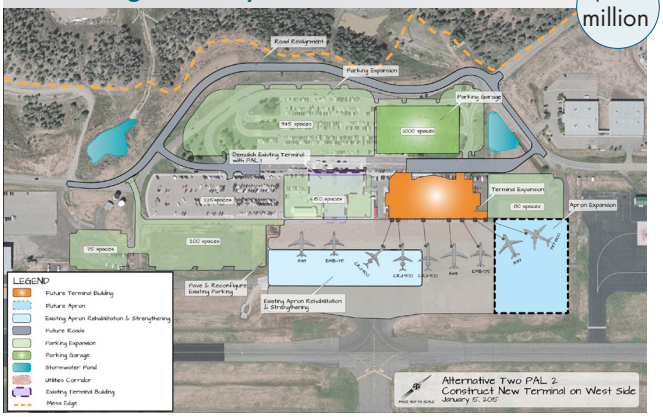
$141 million



Construct new terminal adjacent to existing terminal building

Alternative Two
Planning Activity Level 2 - 2035

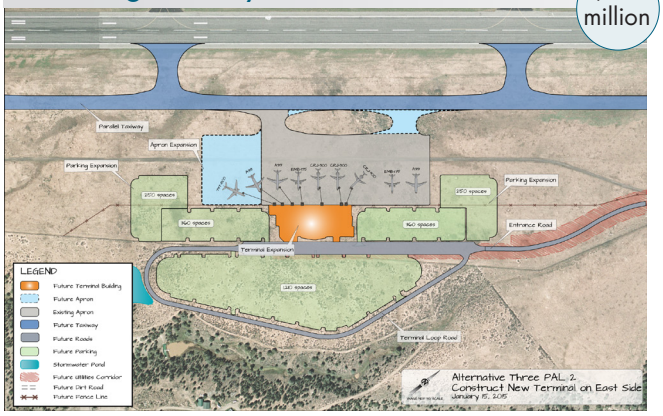
$132 million



Construct new terminal complex on east side of airfield

Alternative Three
Planning Activity Level 2 - 2035

$131 million



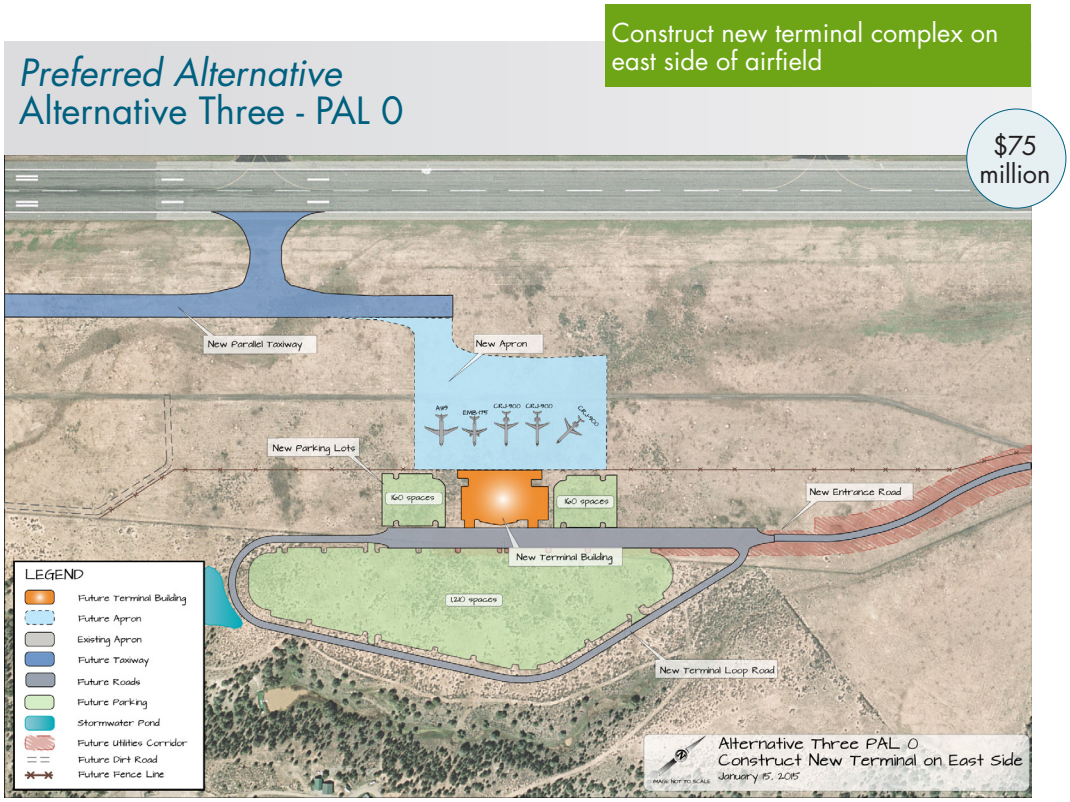
After careful deliberation and in spite of its higher initial cost, Alternative Three was chosen as the recommended option due to its many advantages and additional room for growth for all uses even beyond the planning period.

Following the recommendation, planners were instructed to identify cost savings in order to bring the first phase of development within a funding level that could be reasonably secured. The resulting Preferred Alternative is a concept that meets the PAL Zero activity level, or in other words, meets today's needs.

Additional projects will be included in the Capital Improvement Program that completes the program elements for PAL 1 and PAL 2. These projects will be undertaken if and when actual demand warrants implementation.

Figure 4 - Preferred Development Alternative depicts the elements and key costs for the preferred development alternative. With an estimated development cost of $75 million in 2015 dollars, this concept is within budget constraints established by key stakeholders and will set the Airport on a sustainable path both in terms of meeting passenger demand and maintaining solid financial footing.

FIGURE 4 - PREFERRED DEVELOPMENT ALTERNATIVE



Note: Not to Scale

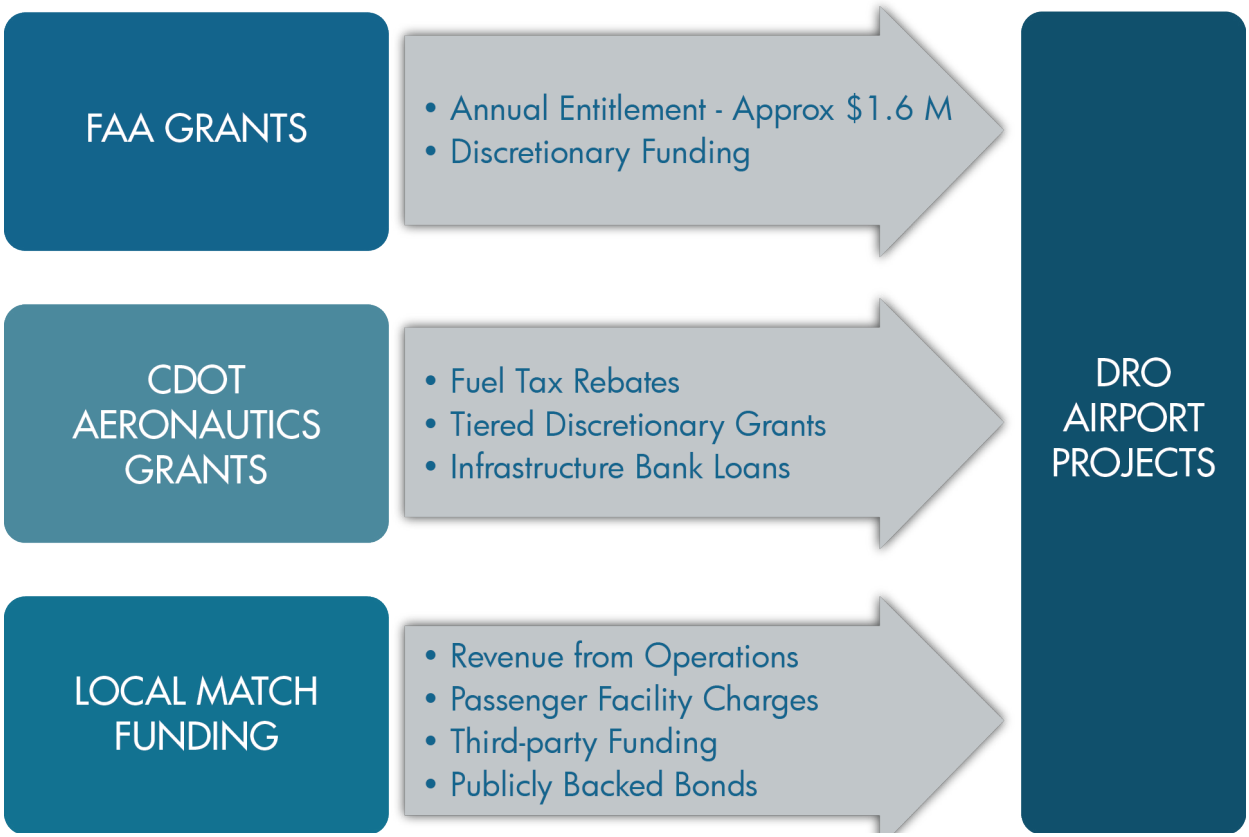
Source: Jviation

Implementation Phase

Financial Planning

Anticipated funding for the development program primarily comes from three main sources, see **Figure 5 - Program Funding**.

FIGURE 5 - PROGRAM FUNDING



The typical airport project is funded with a combination of all three types. The FAA has the ability to contribute as much as 90 percent of eligible project costs, with the remainder shared between CDOT Aeronautics and the Airport sponsor. However, with terminal projects FAA participation is typically lower. Because of the relatively high funding requirements and the fact that much of the program is related to the passenger terminal, this study has planned for FAA participation to be approximately 50 percent of the program cost.

The anticipated funding scenario to implement the preferred terminal development alternative is shown **Table 2 - Funding Sources**. These amounts are considered available for planning purposes, however there are no guarantees when it comes to public funding.

TABLE 2 - FUNDING SOURCES

FAA GRANTS	CDOT AERONAUTICS GRANTS	LOCAL MATCH FUNDING
$35 million to $40 million	$2 million	Airport Funds: $5 million to $7 million Local Sources: $35 million to $40 million

Source: Jviation

Funding the Local Share

The terminal program funding scenario requires $35 million to $40 million from local sources to match the FAA's grants. This amount of funding is beyond the reach of funds that DRO could secure and service without assistance. With the assistance of both La Plata County and the City of Durango, planners have included assumptions that the local funds would need to come from tax-supported bonds. Likely La Plata County voters were polled in 2015 to determine what support such a ballot measure may receive.

While tax questions are divisive, a solid base of support and understanding of the Airport's needs was confirmed. With continued education and appropriate ballot question language it is quite reasonable to plan for success.

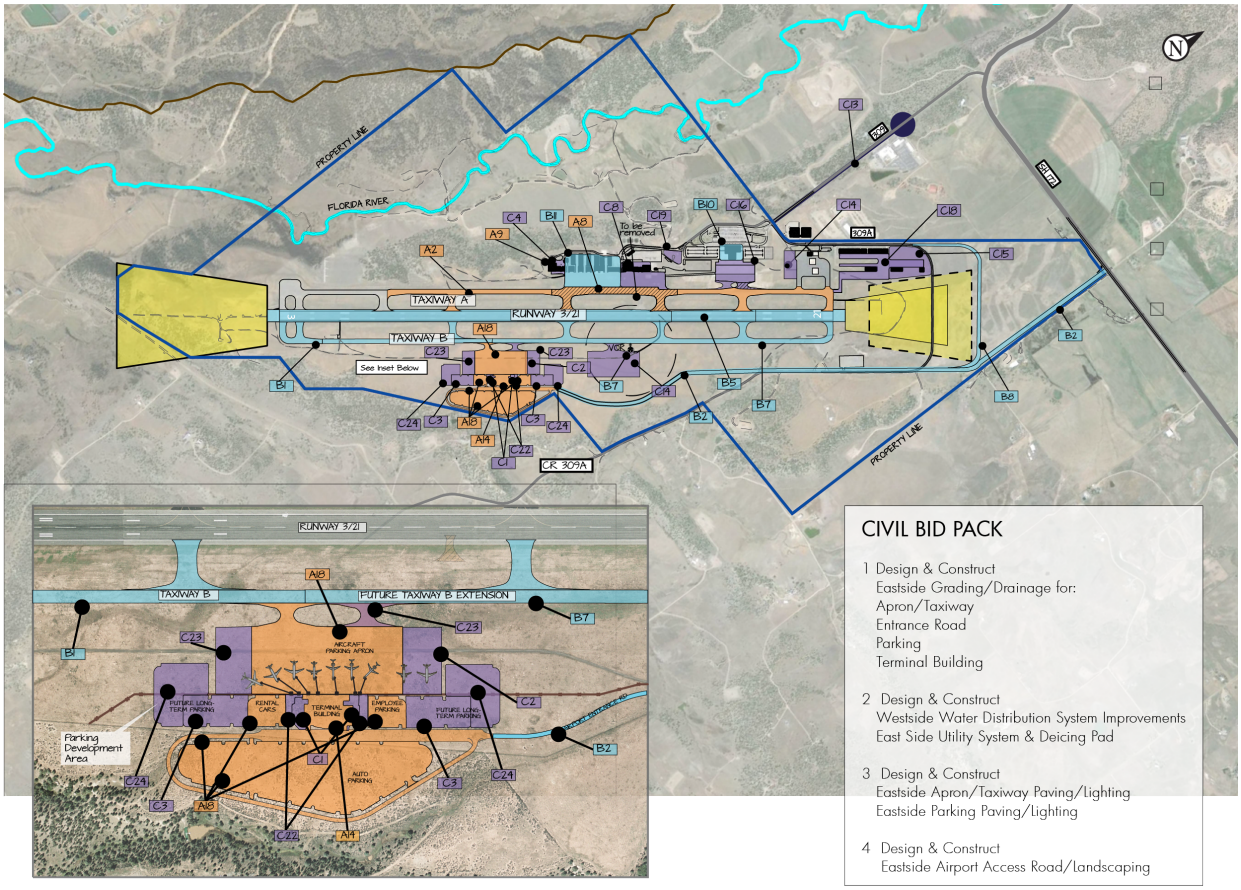
Following the implementation of the terminal program, this plan demonstrates that the Airport will require no more assistance to fund the balance of the plan's recommendations.

Capital Improvement Program

The Capital Improvement Program (CIP) is a sequenced and prioritized list of projects that, when implemented, will meet the Airport's long-term needs as envisioned in the preferred development program. The CIP also provides detail on which phase of the development program the project will be accomplished, the sources of funding, and the justification or purpose for the project. **Figure 6 - Map of CIP Projects** depicts (where applicable) the location and phase of each project. **Table 3 - Summary of Sources And Uses of Capital Funding for the Capital Improvement Program** summarizes the sources and uses of the capital funding.

Significant planning effort went into identifying funding sources for all of the needed projects. That said, it is also necessary for plans to be reviewed prior to making major investment in capacity-justified projects. The upcoming terminal program is unquestionably justified for immediate implementation because existing facility capacity is so far below industry standards for today's activity. However, future increases should be examined carefully to make sure the projected activity levels have been achieved prior to implementation.

FIGURE 6 - MAP OF CIP PROJECTS



CAPITAL IMPROVEMENT PLAN

PHASE I PROJECTS (2015-2020)
- A 1 Environmental Assessment*
- A 2 Taxiway A Rehabilitation Design and Construction
- A 3 Taxiway A - Sch III Design*
- A 4 Fog Seal/Restripe Runway 3/21*
- A 5 Airfield Backup Generator*
- A 6 Acquire SRE - Snow Plow & Vehicle*
- A 7 Environmental Assessment Phase 2*
- A 8 Taxiway A - Sch III Construction
- A 9 Modify ARFF Bay Openings
- A 10 Replace Passenger Terminal - Civil Bid Pack 1 - Design*
- A 11 Replace Passenger Terminal - Civil Bid Pack 2 - Design*
- A 12 Replace Passenger Terminal - Architecture Design*
- A 13 Replace Passenger Terminal - Civil Bid Pack 1 - Construction*
- A 14 Replace Passenger Terminal - Terminal Building Construction
- A 15 Replace Passenger Terminal - Civil Bid Pack 3 - Design*
- A 16 Replace Passenger Terminal - Civil Bid Pack 4 - Design*
- A 17 Replace Passenger Terminal - Civil Bid Pack 2 - Construction*
- A 18 Replace Passenger Terminal - Civil Bid Pack 3 - Construction

PHASE II PROJECTS (2021-2025)
- B 1 Replace Passenger Terminal - Civil Bid Pack 3 - Construction
- B 2 Replace Passenger Terminal - Civil Bid Pack 4 - Construction
- B 3 Conduct Strategic Business Plan*
- B 4 Replace ARFF Vehicle*
- B 5 Rehabilitate Runway 3/21 and Taxiway A (Between A2-A3)
- B 6 Acquire Passenger Boarding Bridges (4)*
- B 7 Extend Parallel Taxiway B to RW21 End/Relocate VOR/NEPA Documentation
- B 8 Relocate CR 309A outside RPZ
- B 9 Acquire SRE*
- B 10 Modify Former Terminal - Prepare for Lease
- B 11 Rehabilitate South GA Apron/Taxilanes - Phase 1
- B 12 Conduct Airport Master Plan*

PHASE III PROJECTS (2026-2030)
- C 1 Expand Terminal Building (260,000 Enplanements)
- C 2 Expand Terminal Apron (260,000 Enplanements)
- C 3 Expand Terminal Parking (260,000 Enplanements)
- C 4 Rehabilitate or Relocate ARFF/SRE Building (Former Terminal Site)
- C 5 Replace Taxiway Lighting with LED Fixtures*
- C 6 Relocate Rental Car Washrack; Maintenance*
- C 7 Relocate/Expand Fuel Farm*
- C 8 Rehabilitate S GA Apron/Taxilanes - Phase 2
- C 9 Acquire SRE Vehicle*
- C 10 Conduct Airport Master Plan*
- C 11 Fog Seal and Restripe Runway 3/21*
- C 12 Holding Apron - Taxiway A at RW21 End*

PHASE III PROJECTS 2031-2035
- C 13 Prepare Lease Lots North of Passenger Terminal*
- C 14 Expand USFS Apron (assist only)
- C 15 Construct GA Apron/Taxilanes for Large Hangar Sites
- C 16 Rehabilitate Former Westside Terminal Apron
- C 17 Acquire ARFF Vehicle*
- C 18 Rehabilitate N GA Apron/Taxilanes
- C 19 Expand Water Facility
- C 20 Acquire SRE*
- C 21 Conduct EA for Terminal Expansion*
- C 22 Expand Terminal Building (380,000 Enplanements)
- C 23 Expand Terminal Apron (380,000 Enplanements)
- C 24 Expand Terminal Parking (380,000 Enplanements)
- C 25 Fog Seal/Restripe Taxiway B*

* Item not shown

Source: Jviation

Master Plan Documentation

As the last step in the master plan, final documents are prepared, reviewed, approved, and distributed. The documents include the full narrative report that provides all of the detailed analysis and discussion that supports the conclusions outlined in this executive summary. The full report also provides extensive technical resource documentation on the environmental setting, which was used to guide the selection of the preferred terminal site.

The Airport Layout Plan (ALP) is the other major deliverable from the master plan. The ALP provides the Airport and FAA with a detailed depiction of all existing and planned facilities, as well as all objects in the vicinity that could pose a hazard to aircraft. The ALP also contains plan sheets depicting the land use pattern surrounding the Airport along with recommendations to maintain compatible land uses. Finally, a plan sheet depicts the parcels of land that comprise the Airport along with details regarding its acquisition.

TABLE 3 - SUMMARY OF SOURCES AND USES OF CAPITAL FUNDING FOR THE CAPITAL IMPROVEMENT PROGRAM

SOURCES OF CAPITAL FUNDING	PHASE I	PHASE II	PHASE III	TOTALS
Airport Improvement Program (AIP) Entitlement Grants	$15,170,339	$10,514,363	$25,000,258	$50,684,960
AIP Discretionary Grants	$26,854,231	$27,553,152	$13,126,166	$67,533,549
CDOT Aviation Grants	$1,286,593	$969,975	$2,126,518	$4,383,086
Passenger Facility Charges	$3,804,253	$4,702,830	$18,125,620	$26,632,703
City/County Capital Contribution	$28,561,883	$11,149,345	$0	$39,711,228
Private Third Party Funding	$0	$2,388,105	$16,358,658	$18,746,762
Cash Reserves/Net Ops Cash Flow	$917,472	$678,930	$28,789,714	$30,386,116
TOTAL SOURCES OF CAPITAL FUNDING	**$76,594,770**	**$57,956,698**	**$103,526,935**	**$238,078,404**
USES OF CAPITAL FUNDING	**PHASE I**	**PHASE II**	**PHASE III**	**TOTALS**
Runway/Taxiway Improvements	$9,177,095	$38,629,150	$2,648,545	$50,454,790
Aircraft Apron Improvements	$10,195,862	$0	$22,590,528	$32,786,389
Terminal & Related Landside Improvements	$55,987,400	$13,041,449	$46,894,819	$115,923,669
General Aviation Facility Improvements	$0	$368,962	$7,010,853	$7,379,816
SRE Facilities & Equipment	$498,623	$895,539	$2,149,995	$3,544,157
ARFF Facilities & Equipment	$212,180	$991,063	$9,114,109	$10,317,353
Other Improvements	$523,610	$4,030,534	$13,118,086	$17,672,230
TOTAL USES OF CAPITAL FUNDING	**$76,594,770**	**$57,956,698**	**$103,526,935**	**$238,078,404**

Note: Addition errors are due to rounding of calculated amounts.

Source: Leibowitz and Horton

Summary

Durango-La Plata County Airport has been stretched to the limit by the remarkable growth experienced in the last 10 years. This speaks volumes about the region's ability to attract business growth and visitors who come to experience the abundant resources in the area. It also speaks to the attractiveness to the airlines that are finding it to be a successful place to operate and compete for passengers. This shows that DRO has a winning combination for continued future success.

As a gateway facility for the region's best customers and the daily workplace for the vital airline operations, a terminal facility that meets industry standards for design, modern concessions, and can be affordably expanded to meet the needs of future generations is a must. The success of this master plan began over a year ago when the region's leaders came together to produce a solution that achieves all of these objectives and more. This master plan reflects that commitment and its success will contribute to the opportunities enjoyed by future generations.

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The Durango-La Plata County Airport would like to thank the Airport Commission, Planning Advisory Committee, elected officials, public, organizations, businesses, and tenants that participated in the master plan process. The wide range of input received resulted in a variety of alternatives, and ultimately, a phased approach to meet both the immediate and future demands of the Airport and community it serves. The master plan will allow the Airport to serve as the preferred gateway and economic catalyst for the Four Corners Region.

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APPENDIX B

APPENDIX A. DOCUMENTED CATEX

Airport sponsors may use this form for projects eligible for a categorical exclusion (CATEX) that have greater potential for extraordinary circumstances or that otherwise require additional documentation, as described in the Environmental Orders (FAA Order 1050.1F and FAA Order 5050.4B).

To request a CATEX determination from the FAA, the sponsor should review potentially affected environmental resources, review the requirements of the applicable special purpose laws, and **consult with the Airports District Office or Regional Airports Division Office staff** about the type of information needed. The form and supporting documentation should be completed in accordance with the provisions of FAA Order 5050.4B, paragraph 302b, and submitted to the appropriate FAA Airports District/Division Office. The CATEX cannot be approved until all information/documentation is received and all requirements have been fulfilled.

Name of Airport, LOC ID, and location:

Durango-La Plata County Airport (DRO), Durango, CO

Project Title:

Acquisition of "Crossfire" Property

Give a brief, but complete description of the proposed project, including all project components, justification, estimated start date, and duration of the project. Include connected actions necessary to implement the proposed project (including but not limited to moving NAVAIDs, change in flight procedures, haul routes, new material or expanded material sources, staging or disposal areas). Attach a sketch or plan of the proposed project. Photos can also be helpful.

The proposed project is the acquisition of approximately 12.523 acres referred to as the "Crossfire Property". The parcel is located to the west of the existing airport terminal building and adjacent to the current property boundary. It has extensive site improvements including landscaping, concrete walks and asphalt parking and drives, and approximately seven acres of excess land developed as a fenced, graveled storage yard.

The parcel also includes two steel-frame buildings containing 19,600 square feet each. The south building was constructed in 1995 is mostly office and finished fabrication space. The north building is mostly warehouse space for fabrication built in 2000.

The airport desires the Crossfire Property as the west side of the airport is currently constrained for future development. The acquisition of this parcel would allow for future expansion and development adjacent to existing terminal facilities.

See Appendix A for property location.

Potential acquisition is planned for Fall 2018.

Give a brief, but complete, description of the proposed project area. Include any unique or natural features within or surrounding airport property.

The proposed project area is located adjacent to the existing airport property and has been largely disturbed by previously development. Through a preliminary site visit of the parcel by Ecosphere Environmental Services (Ecosphere) on June 15, 2018, it was determined that the parcel may contain wetland areas as well as potential New Mexico Meadow Jumping Mouse (NMMJM) habitat (see Appendix B). Further, a Phase I Environmental Site Assessment (ESA) was completed for the parcel by SME Environmental Consultants (SME) in March 2018. The Phase I ESA found one Recognized Environmental Conditions (REC) on the parcel (see Appendix C).

Identify the appropriate CATEX paragraph(s) from Order 1050.1F (paragraph 5-6.1 through 5-6.6) or 5050.4B (Tables 6-1 and 6-2) that apply to the project. Describe if the project differs in any way from the specific language of the CATEX or examples given as described in the Order.

FAA Order 1050.1F: 5-6.4bb

The circumstances one must consider when documenting a CATEX are listed below along with each of the impact categories related to the circumstance. Use FAA Environmental Orders 1050.1F, 5050.4B, and the Desk Reference for Airports Actions, as well as other guidance documents to assist you in determining what information needs to be provided about these resource topics to address potential impacts. Keep in mind that both construction and operational impacts must be included. Indicate whether or not there would be any effects under the particular resource topic and, **if needed**, cite available references to support these conclusions. Additional analyses and inventories can be attached or cited as needed.

5-2.b(1) National Historic Preservation Act (NHPA) resources

	YES	NO
Are there historic/cultural resources listed (or eligible for listing) on the National Register of Historic Places located in the Area of Potential Effect? If yes, provide a record of the historic and/or cultural resources located therein and check with your local Airports Division/District Office to determine if a Section 106 finding is required. The National Register of Historic Places (NRHP) currently lists five districts and eight properties in and near the City of Durango; none of which are in proximity to the parcel. A Cultural Resource Inventory of the Durango-La Plata County Airport property for the 2017 Airport Master Plan was completed in 2015. The inventory documented 14 new archaeological sites and 28 isolated finds. None of these sites were located within proximity to the parcel. The existing buildings located on the parcel were constructed in 1995 and 2000, making them fewer than 50 years old. Further, the parcel has largely been disturbed with past development projects making it unlikely that historic resources are present.	☐	☒
Does the project have the potential to cause effects? If yes, describe the nature and extent of the effects. No historic properties are located within or adjacent to the proposed project area.	☐	☒

	YES	NO
Is the project area undisturbed? If not, provide information on the prior disturbance (including type and depth of disturbance, if available) The proposed project area is disturbed.	☐	☒
Will the project impact tribal land or land of interest to tribes? If yes, describe the nature and extent of the effects and provide information on the tribe affected. Consultation with their THPO or a tribal representative along with the SHPO may be required.	☐	☒

5-2.b(2) Department of Transportation Act Section 4(f) and 6(f) resources

	YES	NO
Are there any properties protected under Section 4(f) (as defined by FAA Order 1050.1F) in or near the project area? This includes publicly owned parks, recreation areas, and wildlife or waterfowl refuges of national, state or local significance or land from a historic site of national, state or local significance. The City of Durango has 33 park and recreation areas, all of which are more than six miles from the parcel. The nearest Section 4(f) resource is the Ignacio Junior High School, located approximately five miles east of the Airport. As stated previously, no historic resources are located on the parcel.	☐	☒
Will project construction or operation physically or constructively "use" any Section 4(f) resource? If yes, describe the nature and extent of the use and/or impacts, and why there are no prudent and feasible alternatives. See 5050.4B Desk Reference Chapter 7. As no properties protected under Section 4(f) are located within or near the proposed project area, the project will not use any Section 4(f) resources.	☐	☒
Will the project affect any recreational or park land purchased with Section 6(f) Land and Water Conservation Funds? If so, please explain, if there will be impacts to those properties. No recreational or park land purchased with Section 6(f) Land and Water Conservation Funds are located within or near the proposed project area. Therefore, no impacts to Section 6(f) land will result from the proposed project.	☐	☒

5-2.b(3) Threatened or Endangered Species

	YES	NO
Are there any federal or state listed endangered, threatened, or candidate species or designated critical habitat in or near the project area? This includes species protected by individual statute, such as the Bald Eagle. According to the U.S. Fish and Wildlife Service's (USFWS) Information, Planning, and Conservation (IPaC) System resource list, there are 10 species of concern that may potentially occur within proximity to the parcel (see Appendix D). A preliminary site visit of the parcel was completed by Ecosphere on June 15, 2018 (see Appendix B). The site visit determined that potential NMMJM habitat may be present on the parcel.	☒	☐
Does the project affect or have the potential to affect, directly or indirectly, any federal or state-listed, threatened, endangered or candidate species, or designated habitat under the Endangered Species Act? If yes, Section 7 consultation between the FAA and the US Fish & Wildlife Service, National Marine Fisheries Service, and/or the appropriate state agency will be necessary. Provide a description of the impacts and how impacts will be avoided, minimized, or mitigated. Provide the Biological Assessment and Biological Opinion, if required. The proposed project includes only the acquisition of the parcel and does not include any demolition or construction that could potentially impact biological resources.	☐	☒
Does the project have the potential to take birds protected by the Migratory Bird Treaty Act? Describe steps to avoid, minimize, or mitigate impacts (such as timing windows determined in consultation with the US Fish & Wildlife Service). According the USFWS IPaC report, Migratory Birds may occur in proximity to the parcel (see Appendix D). However, the proposed project includes only the acquisition of the parcel and does not include any demolition or construction that could potentially impact Migratory Birds.	☐	☒

5-2.b (4) Other Resources

Items to consider include:

a. Fish and Wildlife Coordination Act	YES	NO
Does the project area contain resources protected by the Fish and Wildlife Coordination Act? If yes, describe any impacts and steps taken to avoid, minimize, or mitigate impacts. The proposed project area does not contain any resources protected by the Fish and Wildlife Coordination Act.	☐	☒
b. Wetlands and Other Waters of the U.S.	**YES**	**NO**
Are there any wetlands or other waters of the U.S. in or near the project area? According to the National Wetland Inventory (NWI), there is potential for wetlands to exist on the parcel. As such, a site visit of the parcel was completed by Ecosphere on June 15, 2018 (see Appendix B). The site visit determined that there is a large wetland complex northwest of the parcel, of which 0.12 acres extends onto the subject parcel. The water flowing through this area is irrigation return flows emanating from farmlands to the north. The water drains through a culvert beneath County Road (CR) 309 west to the Florida River floodplain. Along the east edge of the parcel within what may be the CR 309A right-of-way, is more irrigation return water that has been channelized into the CR bar ditch. The ditch enters a drain that appears to discharge west of CR 309.	☒	☐
Has wetland delineation been completed within the proposed project area? If yes, please provide U.S. Army Corps of Engineers (USACE) correspondence and jurisdictional determination. If delineation was not completed, was a field check done to confirm the presence/absence of wetlands or other waters of the U.S.? If no to both, please explain what methods were used to determine the presence/absence of wetlands. As stated previously, a site visit of the parcel was completed by Ecosphere; however it did not include a formal wetland delineation or consultation with the U.S. Army Corp of Engineers (USACE) and the local irrigation district.	☒	☐
If wetlands are present, will the project result in impacts, directly or indirectly (including tree clearing)? Describe any steps taken to avoid, minimize or mitigate the impact. The proposed project includes only the acquisition of the parcel and does not include any demolition or construction that could potentially impact wetlands located on or near the parcel.	☐	☒

Is a USACE Clean Water Act Section 404 permit required? If yes, does the project fall within the parameters of a general permit? If so, which general permit? As no construction is included in the proposed project, a Section 404 permit is not required.	☐	☒
c. Floodplains	**YES**	**NO**
Will the project be located in, encroach upon or otherwise impact a floodplain? If yes, describe impacts and any agency coordination or public review completed including coordination with the local floodplain administrator. Attach the FEMA map if applicable and any documentation. The parcel is located on FIRM panel 08067C0740F, effective August 19, 2010. The parcel is in flood zone X, an area of minimal flood hazard. See Appendix E for Floodplain Map.	☐	☒
d. Coastal Resources	**YES**	**NO**
Will the project occur in or impact a coastal zone as defined by the State's Coastal Zone Management Plan? If yes, discuss the project's consistency with the State's CZMP. Attach the consistency determination if applicable. The proposed project is not located in a coastal zone.	☐	☒
Will the project occur in or impact the Coastal Barrier Resource System as defined by the US Fish and Wildlife Service? The proposed project will not occur in or impact the Coastal Barrier Resource System as the project occurs inland and outside of any coastal areas.	☐	☒
e. National Marine Sanctuaries	**YES**	**NO**
Is a National Marine Sanctuary located in the project area? If yes, discuss the potential for the project to impact that resource. A National Marine Sanctuary is not located in the project area.	☐	☒
f. Wilderness Areas	**YES**	**NO**
Is a Wilderness Area located in the project area? If yes, discuss the potential for the project to impact that resource. A Wilderness Area is not located in the project area.	☐	☒
g. Farmland	**YES**	**NO**
Is there prime, unique, state, or locally important farmland in/near the project area? Describe any significant impacts from the project.	☐	☒

The proposed project area is developed and not being used for farming practices.		
Does the project include the acquisition and conversion of farmland? If farmland will be converted, describe coordination with the US Natural Resources Conservation and attach the completed Form AD-1006. The proposed project area is currently developed and will not include the coversion of farmland.	☐	☒
h. Energy Supply and Natural Resources	**YES**	**NO**
Will the project change energy requirements or use consumable natural resources either during construction or during operations? The proposed project will not directly change the amount or type of natural resources or energy consumption as the project does not include any construction, expansion, or demolition. The existing buildings will be vacated after acquisition, at what time, the consumption of natural resources and energy used to run the buildings will end. DRO may choose to lease the existing buildings to future operators. If this occurs, the buildings and occupants will likely consume similar amounts of natural resources and energy to what is currently consumed. The existing consumption does not create a shortage of any resources; as such, it is assumed that future consumption at a similar occupant level, would not create a shortage.	☐	☒
Will the project change aircraft/vehicle traffic patterns that could alter fuel usage either during construction or operations? The proposed project will not result in any changes to aircraft or vehicle traffic patterns that could alter fuel usage.	☐	☒
i. Wild and Scenic Rivers	**YES**	**NO**
Is there a river on the Nationwide Rivers Inventory, a designated river in the National System, or river under State jurisdiction (including study or eligible segments) near the project? The nearest Wild and Scenic River is more than 70 miles from the proposed project area and will not be impacted.	☐	☒
Will the project directly or indirectly affect the river or an area within ¼ mile of its ordinary high water mark? As no rivers are present in or near the proposed project area, the project will not directly or indirectly affect any river.	☐	☒

j. Solid Waste Management	YES	NO
Does the project (either the construction activity or the completed, operational facility) have the potential to generate significant levels of solid waste? If so, discuss how these will be managed. No construction will occur as part of the proposed project; thus solid waste associated with construction will not be generated. It is anticipated that the existing parcel will be vacated upon purchase and the generation of solid waste would cease. If the parcel is leased in the future, it is anticipated that the occupants will likely produce a similar amount of solid waste as to what has been produced historically by past occupants. As such, it is not anticipated that the proposed project would result in the generation of a significant amount of solid waste.	☐	☒

5-2.b(5) Disruption of an Established Community

	YES	NO
Will the project disrupt a community, planned development or be inconsistent with plans or goals of the community? The land to be purchased is not part of a community and does not include any residences. The proposed project does not include any demolition, construction, or changes in use of the parcel that may inconsistent with plans and goals of the adjacent communities.	☐	☒
Are residents or businesses being relocated as part of the project? The proposed project would not directly result in any changes to the current business occupying the parcel as the business and its occupants would relocate regardless of the land acquisition by DRO. No residences are located within the parcel.	☐	☒

5-2.b(6) Environmental Justice

	YES	NO
Are there minority and/or low-income populations in/near the project area? The largest minority population in all three local districts (Durango, La Plata County, and Colorado) is Hispanic or Latino. The percent of persons in poverty is also similar for all three districts, with 12.4 percent of the population of Durango and La Plata County being in poverty. This is slightly higher than Colorado's 12.0 percent. None of these minorities of persons of poverty live within or directly adjacent to the parcel.	☐	☒

	YES	NO
Will the project cause any disproportionately high and adverse impacts to minority and/or low-income populations? Attach census data if warranted. The proposed project will not result in impacts to any population, to include minority and low-income populations.	☐	☒

5-2.b(7) Surface Transportation

	YES	NO
Will the project cause a significant increase in surface traffic congestion or cause a degradation of level of service provided? The proposed project will not result in any changes to existing surface traffic.	☐	☒
Will the project require a permanent road relocation or closure? If yes, describe the nature and extent of the relocation or closure and indicate if coordination with the agency responsible for the road and emergency services has occurred. The proposed project will not require changes to any existing roads.	☐	☒

5-2.b(8) Noise

	YES	NO
Will the project result in an increase in aircraft operations, nighttime operations, or change aircraft fleet mix? The proposed project will not result in changes to any aircraft operations or fleet mix as no construction is included in the project.	☐	☒
Will the project cause a change in airfield configuration, runway use, or flight patterns either during construction or after the project is implemented? The proposed project will not result in changes to airfield configuration, runway use, or flight patterns as no construction is included in the project.	☐	☒
Does the forecast exceed 90,000 annual propeller operations, 700 annual jet operations or 10 daily helicopter operations or a combination of the above? If yes, a noise analysis may be required if the project would result in a change in operations. The proposed project will not result in changes to airport operations as no construction is included in the project.	☐	☒

	YES	NO
Has a noise analysis been conducted, including but not limited to generated noise contours, a specific point analysis, area equivalent method analysis, or other screening method. If yes, provide that documentation. A noise analysis has not been conducted as the proposed project will not alter aircraft or airport operations, nor does it include any construction.	☐	☒
Could the project have a significant impact (DNL 1.5 dB or greater increase) on noise levels over noise sensitive areas within the 65+ DNL noise contour? The project will not result in any changes to the airport operations; therefore, no changes to noise will occur.	☐	☒

5-2.b(9) Air Quality

	YES	NO
Is the project located in a Clean Air Act non-attainment or maintenance area? The proposed project area is not located in a Clean Air Act non-attainment or maintenance area.	☐	☒
If yes, is it listed as exempt, presumed to conform or will emissions (including construction emissions) from the project be below *de minimis* levels (provide the paragraph citation for the exemption or presumed to conform list below, if applicable) Is the project accounted for in the State Implementation Plan or specifically exempted? Attach documentation.	☐	☐
Does the project have the potential to increase landside or airside capacity, including an increase of surface vehicles? The project does not include any construction; therefore, no changes to landside or airside capacity will result from the proposed project.	☐	☒
Could the project impact air quality or violate local, State, Tribal or Federal air quality standards under the Clean Air Act Amendments of 1990 either during construction or operations? No impacts to air quality are anticipated as no construction is included in the proposed project.	☐	☒

5-2.b (10) Water Quality

	YES	NO
Are there water resources within or near the project area? These include groundwater, surface water (lakes, rivers, etc.), sole source aquifers, and public water supply. If yes, provide a description of the resource, including the location (distance from project site, etc.). The parcel is located on a mesa adjacent to the Florida River valley and uses a private well for potable and non-potable water needs. The parcel also has an existing cistern located on the west side of the two buildings and an abandoned well located just north of existing cistern.	☒	☐
Will the project impact any of the identified water resources either during construction or operations? Describe any steps that will be taken to protect water resources during and after construction. The proposed project does not include any construction and will therefore not impact any water resources.	☐	☒
Will the project increase the amount or rate of stormwater runoff either during construction or during operations? Describe any steps that will be taken to ensure it will not impact water quality. The proposed project does not include the construction of any new buildings or pavement that would increase the amount or rate of stormwater runoff at the airport.	☐	☒
Does the project have the potential to violate federal, state, tribal or local water quality standards established under the Clean Water and Safe Drinking Water Acts? The project does not have the potential to violate any water quality standards no construction will occur.	☐	☒
Are any water quality related permits required? If yes, list the appropriate permits. It is not anticipated that special permits will be needed.	☐	☒

5-2.b(11) Highly Controversial on Environmental Grounds

	YES	NO
Is the project highly controversial? The term "highly controversial" means a substantial dispute exists as to the size, nature, or effect of a proposed federal action. The effects of an action are considered highly controversial when reasonable disagreement exists over the project's risks of causing environmental harm. Mere opposition to a project is not sufficient to be considered highly controversial on environmental grounds. Opposition on environmental grounds by a federal, state, or local government agency or by a tribe or a substantial number of the persons affected by the action should be considered in determining whether or not reasonable disagreement exists regarding the effects of a proposed action. There is no known opposition to the project, specifically on environmental grounds by a Federal, state, or local government, or by any substantial number of persons affected by the proposed project. Therefore, the proposed project is not likely to be controversial.	☐	☒

5-2.b(12) Inconsistent with Federal, State, Tribal or Local Law

	YES	NO
Will the project be inconsistent with plans, goals, policy, zoning, or local controls that have been adopted for the area in which the airport is located? The proposed project does not include any demolition, construction, or changes in use of the parcel that may be inconsistent with the plans, goals, policy, zoning, or local controls that have been adopted in the area.	☐	☒
Is the project incompatible with surrounding land uses? The proposed project does not include any demolition, construction, or changes in use of the parcel that may be incompatible with surrounding land uses.	☐	☒

5-2 .b (13) Light Emissions, Visual Effects, and Hazardous Materials

a. Light Emissions and Visual Effects	YES	NO
Will the proposed project produce light emission impacts? The proposed project does not include any new construction and therefore will not produce any light emissions.	☐	☒

Will there be visual or aesthetic impacts as a result of the proposed project and/or have there been concerns expressed about visual/aesthetic impacts? The proposed project does not include any construction therefore no visual or aesthetic impacts will result from the proposed project.	☐	☒
b. Hazardous Materials	**YES**	**NO**
Does the project involve or affect hazardous materials? SME completed a Phase I ESA for the proposed project area in March 2018 (see Appendix C). SME identified a total of six findings: two findings on the target property and four findings on adjoining properties, as defined by ASTM Standard 1527-13 as known or suspected RECs. After an evaluation of these findings, it is SME's opinion, as an environmental professional, that one of the findings (stained soils) constitute RECs. It is recommended by SME that a Phase II ESA be completed for the parcel that includes soil collection, soil removal, and laboratory analysis of the REC identified in the Phase I ESA. The completion of the Phase II ESA would result in a "clean" parcel. Although a REC was identified, the proposed project does not include any construction or demolition that would disturb the stained soils. Prior to any construction or development related activities on this parcel, the stained soils will be removed and the petroleum products disposed of. It is also understood that future development of this area will be evaluated in a separate environmental clearance document that will analysis specific construction and development related impacts.	☐	☒
Will construction take place in an area that contains or previously contained hazardous materials? The proposed project does not include any construction.	☐	☒
If the project involves land acquisition, is there a potential for this land to contain hazardous materials or contaminants? As discussed previously, a Phase I ESA was completed for the land to be acquired. The assessment determined that there is a REC in the form of stained soils within the parcel.	☒	☐
Will the proposed project produce hazardous and/or solid waste either during construction or after? If yes, how will the additional waste be handled? As no construction will occur as part of the proposed project, it is not anticipated that any solid waste will be generated.	☐	☒

5-2 .b (14) Public Involvement

	YES	NO
Was there any public notification or involvement? If yes, provide documentation. No public notification or involvement was completed as part of the proposed project as no opposition is known.	☐	☒

5-2 .b (15) Indirect/Secondary/Induced Impacts

	YES	NO
Will the project result in indirect/secondary/induced impacts? No construction is included in the proposed project that would result in indirect, secondary, or induced impacts.	☐	☒
When considered with other past, present, and reasonably foreseeable future projects, on or off airport property and regardless of funding source, would the proposed project result in a significant cumulative impact? No construction is included in the proposed project or planned in the future that would result in indirect, secondary, or induced impacts.	☐	☒

Permits

List any permits required for the proposed project that have not been previously discussed. Provide details on the status of permits.

It is not anticipated that special permits will be needed.

Environmental Commitments

List all measures and commitments made to avoid, minimize, mitigate, and compensate for impacts on the environment, which are needed for this project to qualify for a CATEX.

No environmental impacts found as a result of the proposed projects.

Preparer Information

Point of Contact: Morgan Einspahr		
Address: 900 S. Broadway, Suite 350		
City: Denver	**State:** CO	**Zip Code:** 80209
Phone: 303-947-2391	**Email Address:** morgan.einspahr@jviation and andy.remstad@jviation	

Signature: Remstad Andy ACP JViation for Morgan Einspahr Date: 8/14/18

Airport Sponsor Information and Certification (may not be delegated to consultant)

Provide contact information for the designated sponsor point of contact and any other individuals requiring notification of the FAA decision.

Point of Contact: Tony Vicari		
Address: 1000 Airport Road, Box 15		
City: Durango	**State:** CO	**Zip Code:** 81303
Phone Number: 970-382-6052	**Email Address:** tony.vicari@durangogov.org	
Additional Name(s):	**Additional Email Address(es):**	

I certify that the information I have provided above is, to the best of my knowledge, correct. I also recognize and agree that no construction activity, including but not limited to site preparation, demolition, or land disturbance, shall proceed for the above proposed project(s) until FAA issues a final environmental decision for the proposed project(s) and until compliance with all other applicable FAA approval actions (e.g., ALP approval, airspace approval, grant approval) has occurred.

Signature: Anthony Vicari Date: 8-14-2018

FAA Decision

Having reviewed the above information, it is the FAA's decision that the proposed project (s) or development warrants environmental processing as indicated below.

Name of Airport, LOC ID, and location:

Durango-La Plata County Airport (DRO), Durango, CO

Project Title:

Acquisition of "Crossfire" Property

☒ No further NEPA review required. Project is categorically excluded per (cite applicable 1050.1.F CATEX that applies:)

☐..An Environmental Assessment (EA) is required.

☐..An Environmental Impact Statement (EIS) is required.

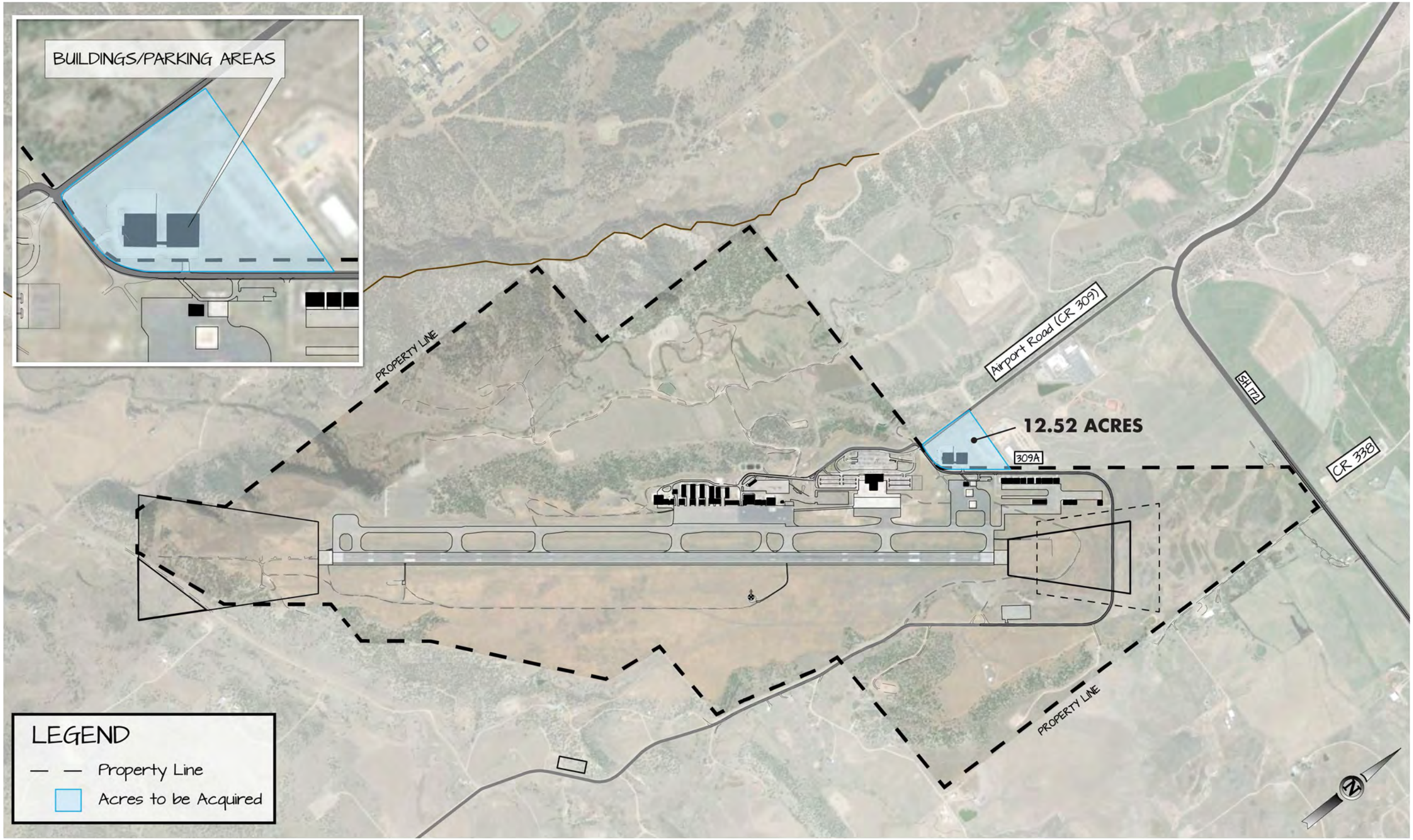
☐..The following additional documentation is necessary for FAA to perform a complete environmental evaluation of the proposed project.

Name: Kandice Krull Title: Environmental Protection Specialist

Responsible FAA Official

Signature: _____ Date: 8/14/18

Appendix A: Project Location


BUILDINGS/PARKING AREAS
PROPERTY LINE
Airport Road (CR 309)
SH 72
12.52 ACRES
309A
CR 338
PROPERTY LINE
LEGEND
Property Line
Acres to be Acquired

Appendix B: Site Visit Memo

Ecosphere
Environmental Services

Durango, CO
Pagosa Springs, CO
Santa Fe, NM
Farmington, NM

June 18, 2018

Morgan Einspahr
LEED GA, Environmental Planner
Jviation, Inc.
Sent via email to: Morgan.Einspahr@jviation.com

RE: Wetland and New Mexico Meadow Jumping Mouse Habitat Assessments, Crossfire Property at Durango – La Plata County Airport

Dear Morgan,

This letter summarizes the findings from my site visit to the subject parcel (map attached) as it relates to determining the presence/absence of potentially jurisdictional wetlands and habitat for the federally listed New Mexico meadow jumping mouse (NMMJM). The scope of this assessment was limited to reconnaissance of the site. No wetland delineations were performed and no surveys for the NMMJM were conducted.

I provided you a KMZ file (also attached) and email on June 15 that summarized the findings of my site visit. The findings are summarized as follows:

There are two discrete potentially jurisdictional wetland features outlined on the attached KMZ. There is a large wetland complex northwest of the subject parcel, of which 0.12 acre extends onto the subject parcel. There was water flowing through this wetland that is obviously irrigation return flows emanating from farmlands to the north. The water drains through a culvert beneath County Road (CR) 309 west to the Florida River floodplain.

Along this wetland drainage area are small patches of NMMJM habitat characterized by patches of grasses and sedges along the margins of the main flow channel and cattails.

Along the east edge of the parcel, within what may be the CR 309A right-of-way, is more irrigation return water that has been channelized into the CR bar ditch. Without further investigation, I do not know if this alignment is officially part of an area irrigation system ditch with downstream water rights. The ditch is thickly vegetated with short willows and cattails. The ditch enters a drain that appears to discharge west of CR 309. I suspect that this roadside ditch wetland would be considered jurisdictional because it appears to discharge to the Florida River floodplain to the west.

As with the wetland complex to the west, there are thin margins of grasses and sedges that represent marginal but potential habitat for the NMMJM. This is a very conservative assessment. The NMMJM also needs upland areas for hibernacula; the nearest such areas are more than 1,500 feet to the west beyond

CR 309. It is not known whether the U.S. Fish and Wildlife Service would concur with this assessment or determine that it is too isolated and limited to warrant any protections.

There are also stormwater interception trenches and retention pond features on the property (refer to attached photos). These features do not contain potentially jurisdictional wetlands nor do they contain any suitable habitat for the NMMJM. Several small patches of willow on the parcel associated with the wetland areas are not of sufficient size to provide nesting habitat for the southwestern willow flycatcher.

A few recommendations:

1. Check with the area irrigation district to better understand the alignment of ditches through the area.
2. Depending upon the findings with the ditch company, it appears that it would be easy to reroute the CR 309A ditch water to the west, north of the subject parcel; thereby eliminating the ditch wetlands from future development considerations.
3. The small (0.12 acre) west side wetland may be an esthetic landscape feature as part of future development plans.

Please feel free to contact me directly with any questions.

Sincerely,

Mike Fitzgerald
Principal

Attachments: Photographs and Maps

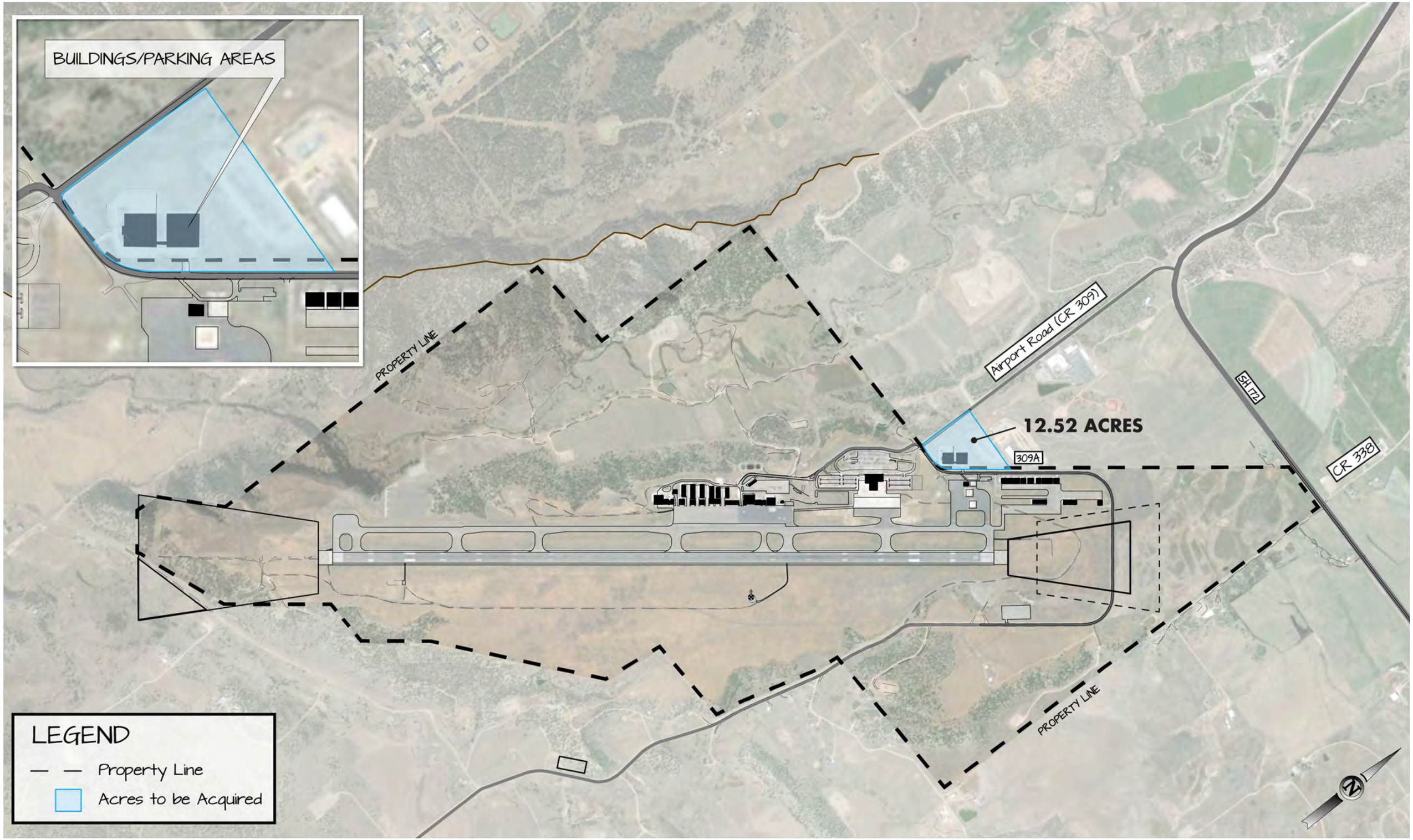
View looking southwest across the wetland in the northwest corner of the parcel.

View looking south-southwest down the wetland complex in northwest corner of parcel. Margins of this feature have grass-sedge associations that may provide suitable habitat for the NMMJM.

Southern edge of northwest corner wetland before the irrigation water exits the parcel via a culvert beneath CR 309 that discharges to the Florida River floodplain.

Stormwater inception trench through middle of the parcel. This stormwater feature drains to a dry (at the time of the inspection) retention pond that has an overflow structure that drains to the wetland complex in the northwest corner of the parcel.

View north of linear wetland feature along west edge of CR 309A. The road is not visible in this photo just beyond the top of the cattails.


BUILDINGS/PARKING AREAS
PROPERTY LINE
Airport Road (CR 309)
SH 72
12.52 ACRES
309A
CR 338
PROPERTY LINE
LEGEND
Property Line
Acres to be Acquired

Potentially Jurisdictional Wetland Areas and New Mexico Meadow Jump

Legend

Wetland Complex

March 15, 2018

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

Appendix C: Phase I ESA

Only executive summary included due to file size. Full report available upon request.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Durango-La Plata County Airport Expansion,

La Plata County, Colorado

Prepared for:
Jviation
900 South Broadway, Suite 350, Denver, Colorado 8020

Prepared by:
SME Environmental, Inc.
679 East 2nd Avenue Unit E2
Durango, CO 81301

May 2018

EXECUTIVE SUMMARY

A Phase I Environmental Site Assessment (*Phase I ESA*) was completed by SME Environmental, Inc. (SME) for Ms. Morgan Einspahr of Jviation for the Durango-La Plata County Airport Expansion, located at 820 Airport Rd, in the City of Durango, La Plata County, Colorado. For the purposes of this report, this property will hereafter be called the "*target property*". It is the understanding of SME that this *Phase I ESA* was conducted as part of a commercial real estate transaction. Therefore, the *User* of this *Phase I ESA,* as defined by the ASTM 1527-13 standard, is Jviation. The *target property* is depicted on Figure 1: Appendix 1.

SME performed this *Phase I ESA* in conformance with the scope and limitations of ASTM Standard 1527-13, *Standard Practice for Environmental Site Assessments*. Any exceptions to, or deletions from, this practice are described in sections 7.0 and 8.1 of this report. The objective of a *Phase I ESA* is to identify *recognized environmental conditions* (*RECs*), or the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property. The *Phase I ESA* included a review of public agency files and databases, historical aerial photography and topographic maps, and reviews of available historical city directories. The *Phase I ESA* also included a site inspection of the *target property*, limited site inspections of adjacent and nearby properties, and interviews with individuals with knowledge of the *target property* and its surroundings.

As a result of this *Phase I ESA*, SME identified a total of 6 *findings*: 2 *findings* on the *target property* and 4 *findings* on adjoining properties, as defined by ASTM Standard 1527-13 as known or suspected *RECs*. These are discussed in detail in Section 7.0 of this report. After an evaluation of these *findings* for this *Phase I ESA*, it is the opinion of SME, as *environmental professional,* that **one of the *findings* constitute *RECs*.**

Appendix D: IPaC Report

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Location

La Plata County, Colorado

Local office

Western Colorado Ecological Services Field Office

(970) 243-2778
(970) 245-6933

445 West Gunnison Avenue, Suite 240
Grand Junction, CO 81501-5711

http://www.fws.gov/mountain-prairie/es/Colorado/
http://www.fws.gov/platteriver/

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service.

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
New Mexico Meadow Jumping Mouse *Zapus hudsonius luteus* There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/7965	Endangered

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North American Wolverine Gulo gulo luscus — Proposed Threatened

No critical habitat has been designated for this species.
https://ecos.fws.gov/ecp/species/5123

Birds

NAME	STATUS
Mexican Spotted Owl Strix occidentalis lucida There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/8196	Threatened
Southwestern Willow Flycatcher Empidonax traillii extimus There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/6749	Endangered
Yellow-billed Cuckoo Coccyzus americanus There is **proposed** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/3911	Threatened

Fishes

NAME	STATUS
Bonytail Chub Gila elegans This species only needs to be considered if the following condition applies: • Water depletions in the upper Colorado River basin adversely affect this species and its critical habitat. This species does not need to be considered if the project is outside of its occupied habitat and does not deplete water from the basin. There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/1377	Endangered
Colorado Pikeminnow (=squawfish) Ptychocheilus lucius This species only needs to be considered if the following condition applies: • Water depletions in the upper Colorado River basin adversely affect this species and its critical habitat. This species does not need to be considered if the project is outside of its occupied habitat and does not deplete water from the basin. There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/3531	Endangered

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Humpback Chub Gila cypha — Endangered

This species only needs to be considered if the following condition applies:

- Water depletions in the upper Colorado River basin adversely affect this species and its critical habitat. This species does not need to be considered if the project is outside of its occupied habitat and does not deplete water from the basin.

There is **final** critical habitat for this species. Your location is outside the critical habitat.
https://ecos.fws.gov/ecp/species/3930

Razorback Sucker Xyrauchen texanus — Endangered

This species only needs to be considered if the following condition applies:

- Water depletions in the upper Colorado River basin adversely affect this species and its critical habitat. This species does not need to be considered if the project is outside of its occupied habitat and does not deplete water from the basin.

There is **final** critical habitat for this species. Your location is outside the critical habitat.
https://ecos.fws.gov/ecp/species/530

Flowering Plants

NAME	STATUS
Knowlton's Cactus Pediocactus knowltonii	Endangered

No critical habitat has been designated for this species.
https://ecos.fws.gov/ecp/species/1590

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

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1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see maps of where birders and the general public have sighted birds in and around your project area, visit E-bird tools such as the E-bird data mapping tool (search for the name of a bird on your list to see specific locations where that bird has been reported to occur within your project area over a certain timeframe) and the E-bird Explore Data Tool (perform a query to see a list of all birds sighted in your county or region and within a certain timeframe). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

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NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

Bald Eagle Haliaeetus leucocephalus — Breeds Dec 1 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1626

Black Rosy-finch Leucosticte atrata — Breeds Jun 15 to Aug 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9460

Black Swift Cypseloides niger — Breeds Jun 15 to Sep 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/8878

Brewer's Sparrow Spizella breweri — Breeds May 15 to Aug 10

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/9291

Brown-capped Rosy-finch Leucosticte australis — Breeds Jun 15 to Sep 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Clark's Grebe Aechmophorus clarkii — Breeds Jan 1 to Dec 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Golden Eagle Aquila chrysaetos — Breeds Jan 1 to Aug 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/1680

Grace's Warbler Dendroica graciae — Breeds May 20 to Jul 20

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Gray Vireo Vireo vicinior — Breeds May 10 to Aug 20

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/8680

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Lesser Yellowlegs Tringa flavipes — Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9679

Lewis's Woodpecker Melanerpes lewis — Breeds Apr 20 to Sep 30

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9408

Long-billed Curlew Numenius americanus — Breeds Apr 1 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/5511

Marbled Godwit Limosa fedoa — Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9481

Olive-sided Flycatcher Contopus cooperi — Breeds May 20 to Aug 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3914

Pinyon Jay Gymnorhinus cyanocephalus — Breeds Feb 15 to Jul 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9420

Rufous Hummingbird selasphorus rufus — Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/8002

Virginia's Warbler Vermivora virginiae — Breeds May 1 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9441

Willet Tringa semipalmata — Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

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Willow Flycatcher Empidonax traillii Breeds May 20 to Aug 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/3482

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in your project's counties during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the counties of your project area. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

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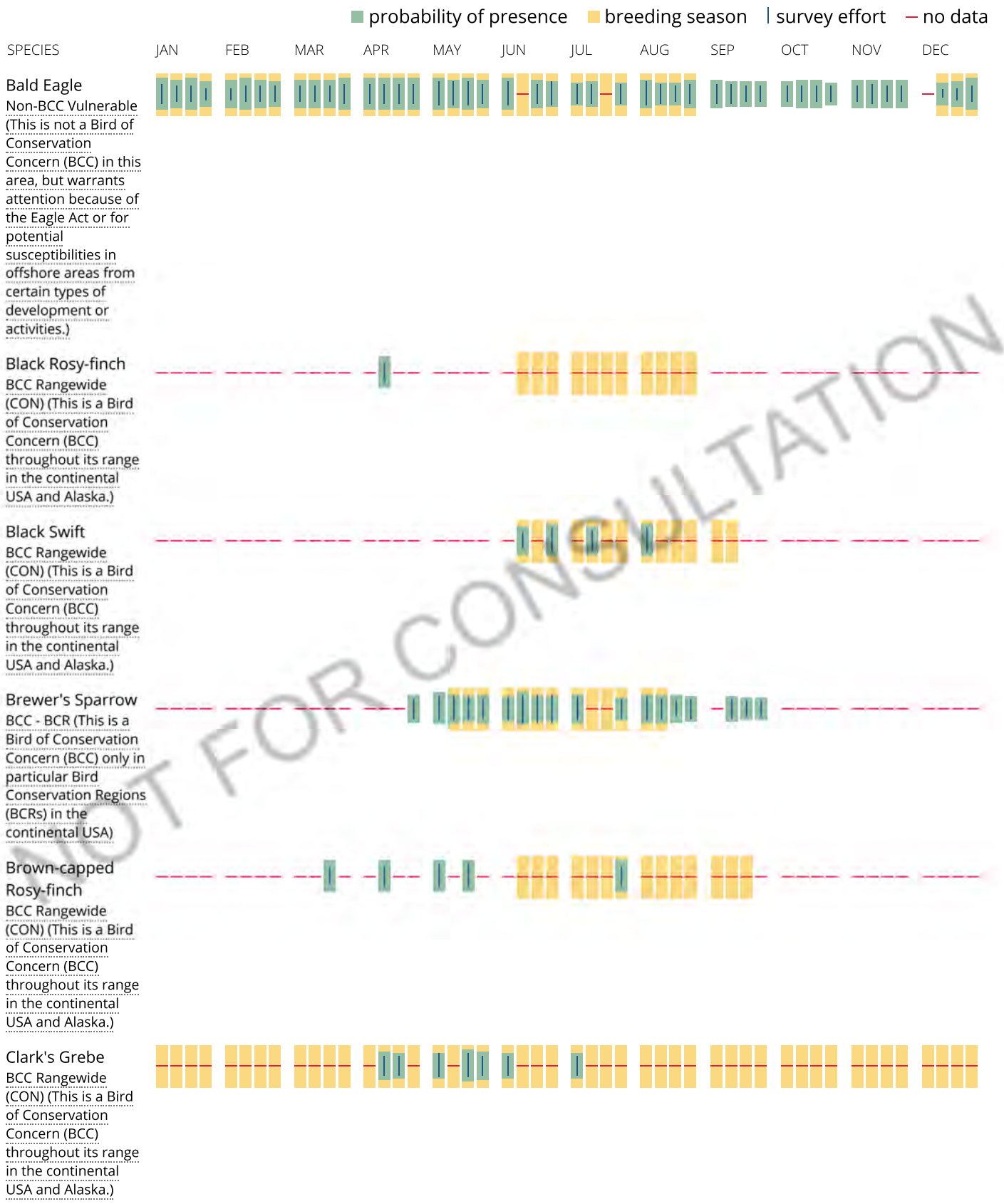
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information.



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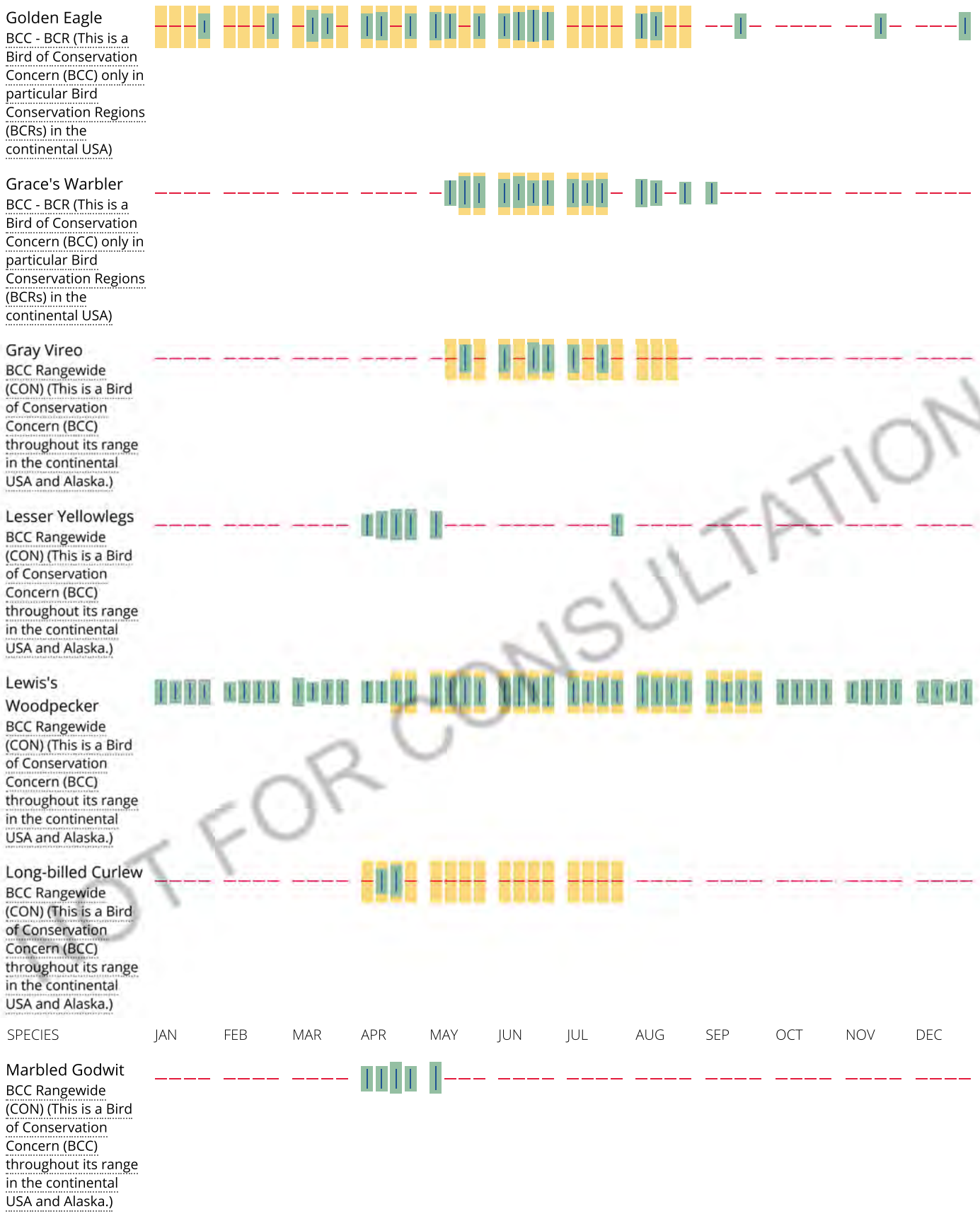

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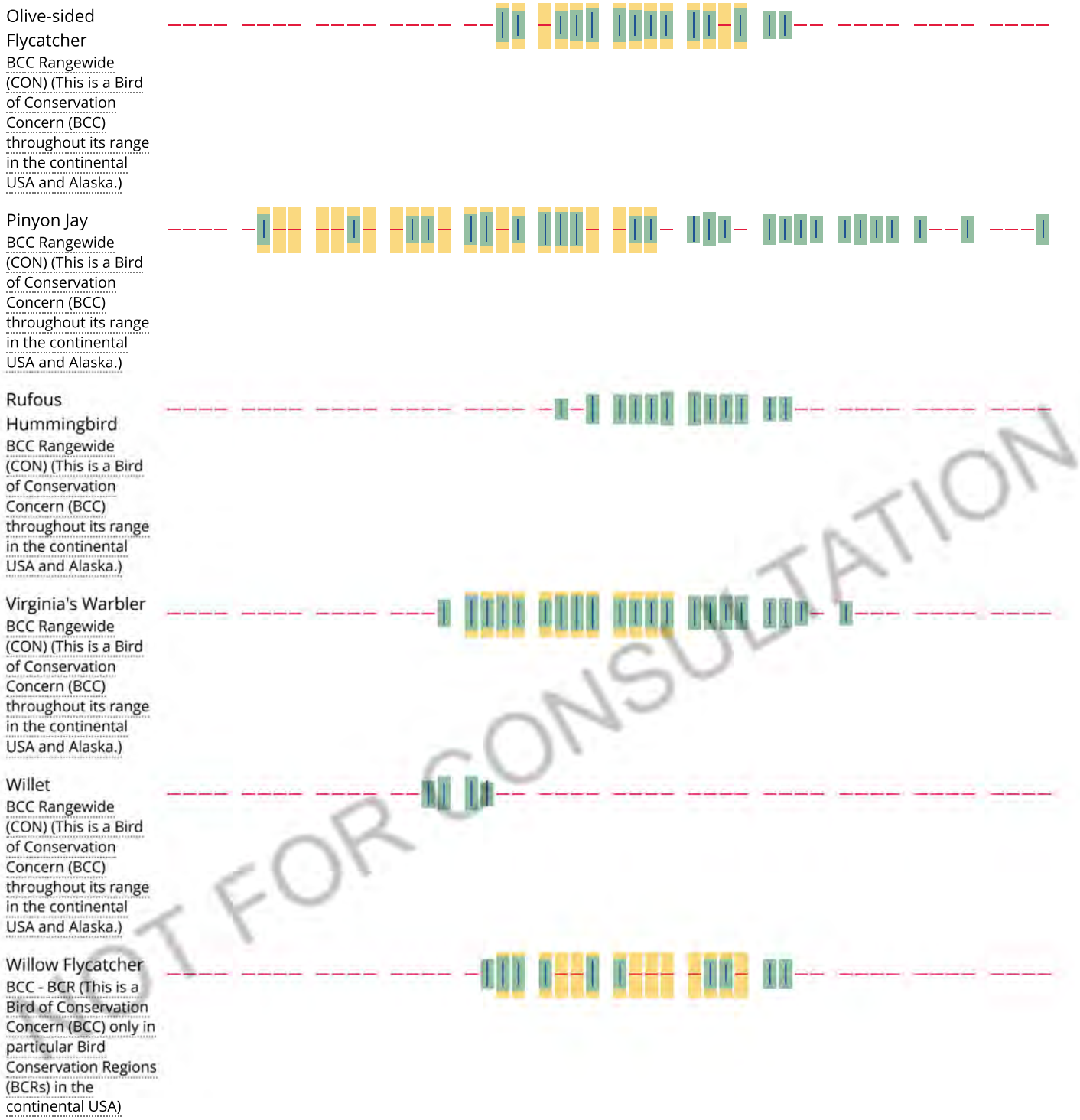

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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the counties which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the E-bird Explore Data Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird entry on your migratory bird species list indicates a breeding season, it is probable that the bird breeds in your project's counties at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project

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review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the BGEPA should such impacts occur.

Facilities

Wildlife refuges and fish hatcheries

REFUGE AND FISH HATCHERY INFORMATION IS NOT AVAILABLE AT THIS TIME

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND
PEMC

A full description for each wetland code can be found at the National Wetlands Inventory website: https://ecos.fws.gov/ipac/wetlands/decoder

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

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Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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Appendix E: Floodplain Map

APPENDIX C

Durango-La Plata County Airport

Biological Resource Review

Prepared for:

Jviation, Inc.

900 South Broadway, Suite 350

Denver, CO 30326

October 6, 2014

Ecosphere Environmental Services

Durango, CO
Cortez, CO
Pagosa Springs, CO
Santa Fe, NM
Farmington, NM

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ABBREVIATIONS/ACRONYMS

BCC	Birds of Conservation Concern
CPW	Colorado Parks and Wildlife
Ecosphere	Ecosphere Environmental Services
GIS	Geographic Information System
IPaC	Information, Planning, and Conservation
SWReGAP	Southwest Regional GAP Analysis Project
USFWS	US Fish and Wildlife Service

1. INTRODUCTION

1.1 Purpose

Ecosphere Environmental Services (Ecosphere) was contracted by Jviation, Inc. to conduct a biological review of the Durango-La Plata County Airport property. The purpose was to evaluate the property and surrounding areas for the presence of federal and state-listed species, describe the vegetation communities, and identify unique wildlife habitats to have provide sufficient information to master plan future improvements in a manner that avoids, if possible, sensitive species and their habitats.

1.2 Scope of Services

The scope of work for the biological resource review included the following:

- Review federal and state-listed plants and wildlife
- Review of existing Geographic Information System (GIS) data for biological resources (e.g., Colorado Parks and Wildlife Species Activity Data)
- Map the vegetation communities using Southwest Regional Gap Analysis Project (SWReGAP) data[1]
- Conduct field surveys to identify potential habitat for federal and state-listed species and unique wildlife habitats
- Report findings and present maps and photographs

1.3 Location

The airport is situated in the foothills of the San Juan Mountains in southwestern Colorado, approximately 14 miles southeast of the City of Durango (Figure 1, Appendix A). The airport is located in La Plata County in Section 29, Township 34 North, Range 8 West, New Mexico Principal Meridian on the Loma Linda, Colorado 7.5-minute United States Geological Survey quadrangle.

[1] The Southwest Regional Gap Analysis Project (SWReGAP) is an update of the Gap Analysis Program's mapping and assessment of biodiversity for the five-state region encompassing Arizona, Colorado, Nevada, New Mexico, and Utah. It is a multi-institutional cooperative effort coordinated by the U.S. Geological Survey Gap Analysis Program. The primary objective of the update is to use a coordinated mapping approach to create detailed, seamless GIS maps of land cover, all native terrestrial vertebrate species, land stewardship, and management status, and to analyze this information to identify those biotic elements that are underrepresented on lands managed for their long term conservation or are "gaps" (Lowry et al. 2007).

2. Regulatory Context

This biological review was conducted within the context of federal and state environmental regulations in support of the Durango Airport Master Plan. Federal and state environmental regulations that apply to the project include, but are not limited to, the following:

- Bald and Golden Eagle Protection Act of 1940, as amended (PL 86-70, PL 87-884, PL 92-535, PL 95-616; USC 668-668d)
- Endangered Species Act of 1973, as amended (PL 94-325; 16 USC § 1531, *et seq.*)
- Migratory Bird Treaty Act of 1918, as amended (16 USC 703-712; 50 CFR Part 21)
- National Environmental Policy Act of 1969, as amended (42 U.S.C. 4321 *et seq.*)
- Federal Noxious Weed Act of 1974, as amended (7 U.S.C. 2801 *et seq.*)
- Executive Order 13186, Responsibilities of Federal Agencies to Protect Migratory Birds
- Colorado Noxious Weed Act of 1991, as amended (Colorado Revised Statutes, 35-5.5.)
- Colorado's Nongame and Endangered Species Conservation Act of 1985, as amended (CO ST § 33-2-101 to 108)

3. Survey Area

The survey area is defined as the Durango–La Plata County Airport property comprising about 1,258 acres (Figure 2, Appendix A). The mesa top is the portion of the property that includes the footprint of the airport proper, but the property boundary extends down to the Florida River to the west (Figure 2).

4. Methods

4.1 Desktop Review

Prior to conducting fieldwork, biologists from Ecosphere compiled a list of U.S. Fish and Wildlife Service (USFWS) and State of Colorado listed species that occur or have the potential to occur in La Plata County, Colorado (USFWS 2104a). Information for each species includes their conservation status, habitat associations, and potential to occur in the survey area. Federally listed species were accessed from the Information, Planning, and Conservation (IPaC) decision support system (USFWS 2014a). Species listed with the State of Colorado were obtained online (CPW 2014).

Ecosphere also reviewed the USFWS Birds of Conservation Concern (BCC) list for Bird Conservation Region 16 – Southern Rockies/Colorado Plateau, prior to field work (USFWS 2008). BCC species are birds that are high conservation priority due to moderate to severe threats to the species or their habitats. Reviewing BCC species helps federal agencies to address migratory birds in planning, as mandated by Executive Order 13186.

Unique wildlife habitats are those that provide important elements required for the ecological processes of wildlife species relative to their natural environment. In arid southwestern Colorado, unique wildlife habitats may include water features (rivers or streams, ponds, and wetlands), tall trees in an otherwise open landscape, or habitats created by keystone species that provide habitat for many other species (i.e., prairie dog colonies). Colorado Parks and Wildlife Species Activity Data also provide Geographic Information System (GIS) data of unique habitats, such as elk highway crossing, bald eagle winter concentration, etc. (CPW 2013). Ecosphere reviewed the Wildlife Species Activity Data to locate unique wildlife habitat relative to the survey area (Figure 3, Appendix A); and identified unique habitat based on field surveys and review of aerial maps (Figure 4, Appendix A).

4.2 Field Review

Ecosphere Biologist, Aimee Way, conducted driving and pedestrian surveys of the property on August 26 and 29, 2014. Ms. Way also conducted further investigations and made additional observations while assisting wetland specialist Ryan Unterreiner on August 27, 2014. The biological surveys included identification of plants and wildlife observed, wildlife signs, vocalizations, and unique and potential habitats for wildlife species (Appendix B). Binoculars were used to aid in visual surveys. Photographs of the survey area and the airport property were also taken (Appendix C).

5. RESULTS

5.1 Existing Conditions

The airport is located on a mesa above the Florida River with an elevation range of 6,450 to 6,690 feet above mean sea level. The south-flowing Florida River, a tributary of the Animas River, is located less than 0.5 mile west of the runway facility, and is the predominant water feature within the airport vicinity. Salt Creek, an intermittent tributary of the Florida River, is located approximately 0.5 mile east of the airport. The Animas River is located approximately 6.5 miles west of the airport. Existing land use within the airport vicinity is predominantly agricultural/open space with some scattered rural residences, along with some industrial development.

According to SWReGAP, the primary vegetation community in the survey area is mapped as Agriculture both on the mesa top and in the Florida River valley, as shown in Figure 5 (Lowry et al. 2007). Although the airport is industrial, the historical land use was agricultural. Agriculture, especially ranching, continues to dominate the surrounding area. The second-most dominant vegetation community is Colorado Plateau Piñon (*Pinus edulis*) - Juniper (*Juniperus scopulorum*) Woodlands, covering the slopes leading up to the mesa and the slope along the Florida River valley. Other vegetation types include Inter-Mountain Basins Big Sagebrush Shrublands interspersed within the piñon–juniper woodlands and Inter-Mountain Basins Semi-Desert Shrub Steppe. The airport facilities and buildings occur in an area mapped as Inter-Mountain Basins Greasewood Flats.

Weather in the survey area is characterized by cold winter temperatures and moderate summer temperatures. The airport is located in an arid landscape; annual precipitation is 12.6 inches per year (WRCC 2014).

5.2 USFWS Listed Species with Potential to Occur

The list of USFWS threatened, endangered, and candidate species accessed from the Information, Planning, and Conservation (IPaC) decision support system recognizes 12 species potentially occurring in La Plata County (Table 5-1; USFWS 2014a). IPaC also identified critical habitat[2] present in La Plata County for southwestern willow flycatcher (*Empidonax traillii extimus*) and New Mexico meadow jumping mouse (*Zapus hudsonius luteus*).

Table 5-1. Species listed by the USFWS under the authority of the Endangered Species Act of 1973 for La Plata County, Colorado

Species	Federal Status[1]	Habitat Description	Potential to Occur in the Survey Area
Mammals			
Canada lynx (*Lynx canadensis*)	T	High elevation (8,000 to 11,500 feet in the southern Rocky Mountains), mesic spruce-fir and mixed-conifer forests, especially mixed with aspen.	None. The survey area does not contain high elevation forests.
New Mexico meadow jumping mouse (*Zapus hudsonius luteus*)	**E**	**Habitat specialist occurring in herbaceous emergent wetlands, especially dominated by sedges and broad-leaved forbs. Also may utilize riparian communities containing scrub-shrub wetlands along perennial streams.**	**Potential. The survey area contains potential habitat along the Florida River, a tributary to Salt Creek, and a ditch and wetland on the northwestern survey boundary.**
Birds			

[2] Critical habitat is defined by the USFWS as is a specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection is a specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection http://www.fws.gov/midwest/endangered/saving/CriticalHabitatFactSheet.html.

Species	Federal Status[1]	Habitat Description	Potential to Occur in the Survey Area
Mexican spotted owl (*Strix occidentalis lucida*)	T	Nests in caves, cliffs, or trees in steep-walled canyons with distinct cliff bands and vegetated benches.	None. No caves, cliffs, or steep-walled canyons occur in the survey area.
Southwestern willow flycatcher (*Empidonax traillii extimus*)	**E**	**Breeds in dense, shrubby riparian habitats, usually in close proximity to surface water or saturated soil.**	**Potential. Habitat occurs on the tributary to Salt Creek in the eastern survey area. Individual heard and observed in survey area on two occasions in late June 2012 by an Ecosphere biologist experienced with this species conducting surveys for the Wildlife Hazard Assessment (Ecosphere 2013).**
Western yellow-billed cuckoo (*Coccyzus americanus*)	PT	Breeds in mature cottonwood gallery forests with dense understory vegetation.	None. No cottonwood gallery forests with adequate understory vegetation occur in the survey area.
Fish			
Bonytail chub (*Gila elegans*)	E	Pools and eddies of large main stem rivers; tributaries of the Colorado River.	None. Species does not have potential to occur in the San Juan River Drainage.
Colorado pikeminnow (*Ptychocheilus lucius*)	E	Large rivers with strong currents, deep pools, and quiet backwaters; tributaries of the Colorado and San Juan Rivers.	None. May be affected by water depletions from the San Juan River.
Humpback chub (*Gila cypha*)	E	Deep, fast-moving, turbid waters often associated with large boulders and steep cliffs. Occurs in the Upper Colorado River basin.	None. Species does not have potential to occur in the San Juan River Drainage.
Razorback sucker (*Xyrauchen texanus*)	E	Deep, clear to turbid waters of large rivers and some reservoirs over mud, sand or gravel.	None. May be affected by water depletions from the San Juan River.
Plants			
Knowlton's cactus (*Pediocactus knowltonii*)	E	Piñon-juniper woodland and sagebrush with loamy, gravelly alluvial soils.	None. Although the survey area contains habitat with vegetation and cobbles that appear similar, the soil type and geology is

Species	Federal Status[1]	Habitat Description	Potential to Occur in the Survey Area
			different from the known population.
Schmoll's milkvetch (*Astragalus schmolliae*)	C	Thin, wind-deposited, sandy/gravelly soil on mature piñon-juniper woodland mesa-top and mesa terraces at elevations of 6,790-7,000 feet.	None. Known only from the Mesa Verde area.
Insects			
Uncompahgre fritillary butterfly (*Boloria acrocnema*)	E	Alpine environments above 12,000 feet elevation; host plant is snow willow.	None. Alpine environments do not occur in the survey area.

[1] E = endangered; T = threatened; PT = proposed threatened; C = candidate

Bolded text indicates species has the potential to occur in the survey area.

Both the endangered southwestern willow flycatcher and the endangered New Mexico meadow jumping mouse have potential to occur within the survey area as identified during field surveys. The remaining 10 listed species were eliminated from further discussion due to a lack of habitat in the survey area or because their known range is beyond the survey area (Table 5-1). Critical habitat, as identified by iPaC, does not occur in the survey area for either of these species. Both southwestern willow flycatcher and New Mexico meadow jumping mouse are discussed in greater detail in Sections 5.2.1 and 5.2.2.

5.2.1 Southwestern Willow Flycatcher – USFWS Endangered

The southwestern willow flycatcher was listed as an endangered species by the USFWS on March 29, 1995. This is one of four recognized subspecies of willow flycatchers in North America. Willow flycatchers are distinguishable from other similar *Empidonax* flycatchers by their song (Sogge et. al. 2010). The southwestern willow flycatcher usually breeds in patchy to dense riparian habitats along streams or wetlands that are near or adjacent to surface water or underlain by saturated soil. Common tree and shrub species comprising nesting habitat include willows (*Salix* spp.), seepwillow (*Baccharis* spp.), boxelder (*Acer negundo*), stinging nettle (*Urtica* spp.), blackberry (*Rubus* spp.), cottonwood (*Populus* spp.), arrow weed (*Tessaria sericea*), tamarisk (*Tamarix ramosissima*), and Russian olive (*Elaeagnus angustifolia*) (USFWS 2002). Occupied sites usually consist of dense vegetation in the patch interior or a mosaic of dense patches interspersed with openings and lower vegetation. Standing or flowing water is usually present at the site. Trees and shrubs used for nesting are at least 6 feet in height, with lower stature thickets occurring at higher elevation (USFWS 2002). Flycatchers prefer to nest in dense thickets, which are usually difficult to traverse on foot. Minimum patch size is 0.25 acre for potential breeding habitat, though the average occupied patch size is 21.2 acres (USFWS 2002).

On the east side of the survey area, the ditch and drainage that flow southeast into Salt Creek contain a patch of narrowleaf willow (*Salix exigua*) that meets the size and density needed for willow flycatchers: the patch is 0.5 acres, dense, and the willows range from 5 to 9 feet tall with the taller shrubs in the

southern portion (Photograph 1, Appendix C). The patch is narrow and linear, varying from 20 to 45 feet wide but about 30 feet on average (Photograph 2, Appendix C). Southwestern willow flycatchers have only rarely been found nesting in isolated, narrow, linear riparian habitats that are less than about 30 feet wide, although they will use such linear habitats during migration (Sogge et. al., 2010). Because the patch is small, narrow, and disconnected from other willow habitat, the habitat may be used during migration and less likely for breeding.

The Florida River within the survey area is not suitable southwestern willow flycatcher breeding habitat. The river corridor is heavily grazed, and there are only scattered willow patches, none of which meets the acreage, height, and density requirements (Photograph 3, Appendix C). Suitable habitat is likely present upstream and downstream along the Florida River, but not along the Florida River in the survey area. No other potential southwestern willow flycatcher habitat was observed.

In 2012, an individual southwestern willow flycatcher was heard and observed on two occasions (June 19 and 21, 2012) within the airport boundary (near the boneyard) and along the Florida River by an Ecosphere biologist conducting surveys as part of the Wildlife Hazard Assessment (Ecosphere 2013). Southwestern willow flycatcher generally begin egg laying in mid-May though mid-June (Sogge et al. 2010); therefore, it is unlikely these birds were migrants just passing through the area.

5.2.2 New Mexico Meadow Jumping Mouse – USFWS Endangered

The final rule to list the New Mexico meadow jumping mouse as endangered was published in the Federal Register by the USFWS on June 10, 2014. The subspecies is a habitat specialist occurring in herbaceous wetlands dominated by sedges. Habitat requirements are tall (averaging at least 24 inches), dense, riparian herbaceous vegetation (i.e., plants with no woody tissue) primarily composed of sedges (plants in the Cyperaceae Family) and forbs (broad-leafed herbaceous plants) (USFWS 2014b). Suitable habitat occurs when wetland vegetation achieves full growth potential associated with perennial flowing water (USFWS 2014*b*). Herbaceous vegetation in these community types is composed primarily of sedges (*Carex* spp. or *Schoenoplectus pungens*) and forbs including, but not limited to spikerush (*Eleocharis macrostachya*), beaked sedge, reed canarygrass, rushes (*Juncus* spp. and *Scirpus* spp.); grasses such as bluegrass (*Poa* spp.), slender wheatgrass (*Elymus trachycaulus*), brome (*Bromus* spp.), foxtail barley (*Hordeum jubatum*); and other forbs such as water hemlock (*Cicuta douglasii*), field mint (*Mentha arvense*), and asters (*Aster* spp.) (USFWS 2013).

The New Mexico meadow jumping mouse nests and hibernates in dry upland soils in grassy areas or riparian shrublands, but uses moist soils in riparian zones for feeding. Its range extends an average of 330 feet along banks of permanent waterways (Arizona Game and Fish Department 2007). The New Mexico meadow jumping mouse occurs from 4,500 to 8,000 feet in elevation, with historical records up to 9,600 feet (USFWS 2013).

Three areas contain suitable habitat for the New Mexico meadow jumping mouse. The first area is along the Florida River in the valley west of the airport. The Florida River has fringe wetlands along its banks that contain sedges that are 2 to 3 feet tall and about 4 to 5 feet wide (Photograph 4, Appendix C). A

drainage swale that flows to the Florida River also contains the vegetative characteristics preferred by the mouse (Photograph 5, Appendix C). New Mexico meadow jumping mouse was captured along the Florida River in 2007 (Frey 2008).

The second area occurs along wetlands and a tributary that flows into Salt Creek, on the east side of the survey area and northwest of County Road (CR) 309A between the airport fence and the road (Photograph 6, Appendix C). The ditch/drainage contains standing to slightly flowing water, broadleaf cattails (*Typha latifolia*) in the channel, and dense grasses, rushes and sedges in wetlands that parallel the ditch (Photograph 6). The size of the habitat patch is about 0.9 acres.

Thirdly, suitable habitat occurs in the large portion of the survey area north of Country Road 309A within the wetlands and surrounding ditches; the irrigation return flow water feeds the wetlands in this large field. Within this area dense sedges and grasses approximately 3 to 4 feet tall with both standing and flowing water that appeared to be irrigation return flow from an adjacent flood-irrigated field (Photographs 7 and 8, Appendix C) were observed. The area was leased and irrigated, and currently contains ditches and depressions that provide the vegetation preferred by New Mexico meadow jumping mouse, including some gently flowing water scattered throughout. Therefore, potential habitat occurs throughout the large northern portion of airport property north of County Road 309a; the extent to which should be evaluated in the context of any planning activities.

5.3 Colorado Listed Species with Potential to Occur

Colorado listed threatened and endangered species were reviewed for their potential to occur in the survey area. Thirty-one wildlife species are listed by the State of Colorado (Table 5-2). Of those 31 species, only 2 have the potential to occur in the survey area: southwestern willow flycatcher and burrowing owl (*Athene cunicularia*). The southwestern willow flycatcher (Section 5.2.1) is both a federally endangered species (Section 5.2.1.) and a State Endangered species.

Table 5-2. Colorado Parks and Wildlife Listed Threatened and Endangered Species

Species	State Status[1]	Habitat Description	Potential To Occur In the Survey Area
MAMMALS			
Black-footed ferret (*Mustela nigripes*)	SE	Open grasslands with prairie dog colonies year round.	Although prairie dog towns have not been mapped, they do not appear to be >200 acres around the survey area.
Canada lynx (*Lynx canadensis*)	SE	Large tracts of high elevation (> 8,000 feet) mixed coniferous forest.	None. Survey area does not include mixed coniferous forest. Elevation is below 8,000 ft.
Gray wolf (*Canis lupus*)	SE	Occurs in a variety of habitats where large prey (primarily ungulates) occurs.	None. Gray wolves have been extirpated in Colorado.

Species	State Status[1]	Habitat Description	Potential To Occur In the Survey Area
Grizzly bear (*Ursus arctos*)	SE	Found in a variety of habitats where forage is abundant.	None. Grizzly bears have been extirpated in Colorado.
Kit fox (*Vulpes macrotis*)	SE	Saltbush, shadscale, and greasewood-dominated shrublands.	None. No saltbush, shadscale, or greasewood-dominated shrublands occur in the survey area.
North American River otter (*Lontra canadensis*)	ST	Riparian habitats with an abundant food base of fish and/or crustaceans. Minimum estimated water flow requirement is 10 cubic feet per second.	None. No riparian habitats in survey area. Florida River flows likely fall below minimum 10 cubic feet per second
Preble's meadow jumping mouse (*Zapus hudsonius preblei*)	ST	Riparian areas dominated by shrubby vegetation.	None. Distribution of this species in Colorado is restricted to the front range.
Wolverine (*Gulo gulo*)	SE	Large, remote tracts of boreal forest and alpine tundra.	None. No boreal forest or alpine tundra habitats exist in the survey area.
BIRDS			
Burrowing owl (*Athene cunicularia*)	**ST**	**Dry, open, short-grass plains, usually associated with prairie dog towns.**	**Potential. Prairie dog towns provide suitable nesting and foraging habitat.**
Least tern (*Sterna antillarum*)	SE	Bare or sparsely vegetated sand or dried mudflats along coasts or rivers.	None. No sand or mudflats occur in the survey area.
Lesser prairie chicken (*Tympanuchus pallidicinctus*)	ST	Prefer sandy grasslands with an abundance of mid-grasses, sandsage, and yucca.	None. No sandy grasslands exist in or adjacent to the survey area.
Mexican spotted owl (*Strix occidentalis lucida*)	ST	Nests in caves, cliffs, or trees in steep-walled canyons with distinct cliff bands and vegetated benches.	None. No caves, cliffs, or steep-walled canyons occur in the survey area.
Piping plover (*Charadrius melodus circumcinctus*)	ST	Sandy lakeshore beaches, river sandbars, and sandy wetland pastures.	None. No suitable sandy substrates occur in the survey area.
Plains sharp-tailed grouse (*Tympanuchus phasianellus jamesii*)	SE	Rolling hills with scrub oak thickets and grassy glades. Leks located in meadows, burned areas, or ridges/knolls.	None. Distribution of this species in Colorado is restricted Douglas County.
Southwestern willow flycatcher (*Empidonax traillii extimus*)	**SE**	**Dense, shrubby riparian vegetation, usually in close proximity to surface water or saturated soil.**	**Potential. Habitat occurs on the tributary to Salt Creek in the eastern survey area. Individual heard and observed in survey**

Species	State Status[1]	Habitat Description	Potential To Occur In the Survey Area
			area on two occasions in late July 2012 by an Ecosphere biologist experienced with this species conducting surveys as part of the Wildlife Hazard Assessment (Ecosphere 2013).
Whooping crane (*Grus americana*)	SE	Mudflats around reservoirs and agricultural areas. Winters on salt flats.	None. No mudflats or salt flats exist in the survey area.
AMPHIBIANS			
Boreal toad (*Bufo boreas boreas*)	SE	Springs, streams, ponds, lakes, and marshes in spruce-fir or sub-alpine forests or meadows at elevations > 7,500 feet.	None. Survey area does not include any perennial water sources over 7,500 feet elevation.
FISH			
Arkansas darter (*Etheostoma pallididorsum*)	ST	Clear waters of low current with sandy bottoms and abundant aquatic vegetation. Occurs in tributaries of the Arkansas River.	None. Outside of known range of the species.
Brassy minnow (*Hybognathus hankinsoni*)	ST	Inhabits pools of sluggish clear creeks and small rivers, usually over sand, or gravel. Occurs in South Platte, Republican, and Colorado Rivers.	None. Outside of known range of the species.
Bonytail (*Gila elegans*)	SE	Flowing pools and backwaters in deep water of the Upper Colorado River basin.	None. Outside of known range of the species.
Colorado pikeminnow (*Ptychocheilus lucius*)	ST	Large rivers with strong currents, deep pools, and quiet backwaters; tributaries of the Colorado and San Juan Rivers.	None. May be affected by water depletions from the San Juan River.
Common shiner (*Luxilus cornutus*)	ST	Cool, clear, shaded streams with gravelly bottoms. Occurs in South Platte River and tributaries.	None. Outside of known range of the species.
Greenback cutthroat trout (*Oncorhynchus clarki stomias*)	ST	Cold, clear, gravelly headwater streams with overhanging branches, undercut banks, and eddies behind rubble.	None. Florida River is not a suitable cold, headwater stream.
Humpback chub (*Gila cypha*)	ST	Deep, fast-moving, turbid waters often associated with large boulders and steep cliffs. Occurs in the Upper Colorado River Basin.	None. Outside of known range of the species.

Species	State Status[1]	Habitat Description	Potential To Occur In the Survey Area
Lake chub (*Couesius plumbeus*)	SE	Occupies lake habitats, but migrates to streams to spawn. Extirpated from Colorado	None. Lake chub has been extirpated from Colorado.
Northern redbelly dace (*Phoxinus eos*)	SE	Found in lakes, ponds, bogs, and pools of headwaters and creeks with vegetation. Occurs in the South Platte River Basin.	None. Outside of known range of the species.
Plains minnow (*Hybognathus placitus*)	SE	Rivers with some current, turbid waters, and sandy bottoms. Occurs in South Platte and Republican River Basins,	None. Outside of known range of the species.
Razorback sucker (*Xyrauchen texanus*)	SE	Deep, clear to turbid waters of large rivers and some reservoirs over mud, sand or gravel.	None. May be affected by water depletions from the San Juan River.
Rio Grande sucker (*Catostomus plebeius*)	SE	Small streams with clear pools and riffles. Occurs in Rio Grande Basin.	None. Outside of known range of the species.
Southern redbelly dace (*Phoxinus erythrogaster*)	SE	Small, slow, clear creeks with algae covering the streambed and deep silt deposits. Occurs in a tributary of the Arkansas River.	None. Outside of known range of the species.
Suckermouth minnow (*Phenacobius mirabilis*)	SE	Riffles of warm creeks, streams, and rivers with low to moderate currents. Occurs in mainstem South Platte and tributaries of the Arkansas River.	None. Outside of known range of the species.

[1](SE = State Endangered; ST = State Threatened)

Colorado Parks and Wildlife. http://cpw.state.co.us/learn/Pages/SOC-ThreatenedEndangeredList.aspx. Accessed August 2014.

Bolded text indicates species has the potential to occur in the survey area.

Burrowing owls nest primarily in rodent burrows in grasslands, shrublands, deserts and grassy urban areas (Jones 1998). Potential nesting habitat occurs wherever prairie dog colonies are present. In the survey area, prairie dog colonies are active on and around the runway and terminal, the irrigated fields north of CR 309a, and the valley adjacent to the Florida River. Burrowing owls occur infrequently in La Plata County yet they have been confirmed nesting. In the survey area, no burrowing owls have been detected during past general wildlife surveys (Ecosphere 2013).

5.4 Migratory Birds

5.4.1 Birds of Conservation Concern

A variety of open grassland, sagebrush shrubland, and piñon-juniper woodland bird species were documented during the August survey. Several BCC species were observed, including juniper titmouse (*Baeolophus ridgwayi*), piñon jay (*Gymnorhinus cyanocephalus*), and Lewis's woodpecker (*Melanerpes*

lewis). Additionally, both bald and golden eagle are known to use the survey area. Table 5-3 identifies BCC species in BCR 16 and their habitat associations. Migratory bird nesting depends on the species; raptors begin to nest earlier in the spring while South American migrants begin nesting around early May when they return to the breeding grounds. CPW recommends raptor nesting dates as guidelines to avoid disturbing nesting birds (CPW 2008). Published breeding season dates for small migratory birds are more variable. In general, May 1 to August 1 is a practical timeframe for the majority of birds to nest in the survey area.

Table 5-3. USFWS Birds of Conservation Concern (BCC) Bird Conservation Region (BCR) 16 – Southern Rocky Mountains/Colorado Plateau, with Potential to Occur in the Study Area

Species	Habitat Description	Potential To Occur In the Survey Area
American bittern (*Botaurus lentiginosus*)	**Cattails, rushes, grasses, or sedges of wet meadows or marshes.**	**Potential to occur. Northeastern past irrigated fields contains dense and tall marshy habitat.**
American peregrine falcon (*Falco peregrinus anatum*)	Rugged terrain with rocky cliffs and canyons, 30 to 1,000+ feet high, adjacent to rivers, lakes, or streams.	None. Survey area does not include any rocky cliffs.
Bald eagle (*Haliaeetus leucocephalus*)	**Found around lakes, reservoirs, and rivers. Large branched trees used for nesting, roosting and foraging.**	**Known to occur. Survey area within CPW-defined bald eagle winter concentration area and a known winter roost occurs. Individuals regularly observed in roost trees north of survey area during 2012 surveys conducted for the Wildlife Hazard Assessment (Ecosphere 2013).**
Bendire's thrasher (*Toxostoma bendirei*)	Scrub lands, dry and thin grasslands, open woodland, and cactus.	None. Outside of known range of species.
Black rosy-finch (*Leucosticte atrata*)	Alpine areas above treeline.	None. High elevation habitat is not present.
Brewer's sparrow (*Spizella breweri*)	**Sagebrush shrublands, sagebrush obligate species.**	**Potential to occur. Sagebrush is present east of the runway.**
Brown-capped Rosy Finch (*Leucosticte australis*)	Alpine zone of the high mountains.	None. High elevation habitat is not present.
Cassin's finch (*Haemorhous cassinii*)	**Conifer forests of the high country (8,000 to 11,000 feet), but also will use piñon-juniper woodlands.**	**Potential to occur. Piñon-juniper woodlands provide habitat.**
Chestnut-collared longspur	Short-grass prairie/plains grasslands.	None. Short-grass prairie habitat is not present in the survey area.

Species	Habitat Description	Potential To Occur In the Survey Area
(*Calcarius ornatus*)		
Ferruginous hawk (*Buteo regalis*)	**Flat or rolling terrain in grassland, shrub-steppe, and desert habitats.**	**Potential to occur. Grassland, shrub-steppe, or desert habitats occur in the survey area. Prairie dog towns provide prey base.**
Flammulated owl (*Psiloscops flammeolus*)	Ponderosa pine, aspen, or mixed conifer forests with cavities for nesting, open forests for foraging, and dense shrubs for roosting.	None. The southwestern wooded slope is narrow and does not provide the preferred "forest" structure.
Golden eagle (*Aquila chrysaetos*)	**Open habitat with grasslands, shrublands, and farmlands for foraging. Nests on cliffs or in trees.**	**Known to occur. Nest occurs in survey area and prairie dog colonies provide foraging.**
Grasshopper sparrow (*Ammodramus savannarum*)	Tall grasslands of the prairies.	None. Outside of the known range of the species.
Grace's warbler (*Setophaga graciae*)	**Ponderosa pine forest with a scrub oak understory.**	**Potential to occur. Some ponderosa pine present on the southwestern slopes, but not extensive.**
Gray vireo (*Vireo vicinior*)	**Piñon-juniper woodlands with an open, grassy understory.**	**Potential to occur. Slopes to the mesa contain piñon-juniper woodlands.**
Gunnison sage grouse (*Centrocercus minimus*)	Big sagebrush shrub-steppes with low vegetation.	Although the survey area is within the historical range for this species, development precludes potential habitat for this species and this species has been extirpated from this area.
Juniper titmouse (*Baeolophus ridgway*i)	**Piñon-juniper woodlands.**	**Known to occur. Southwestern survey area.**
Lewis's woodpecker (*Melanerpes lewis*)	**Open pine forests, areas with abundant snags and stumps, riparian areas with cottonwoods, and piñon-juniper woodlands.**	**Known to occur. Northeastern survey area.**
Long-billed curlew (*Numenius americanus*)	Short-grass prairies.	None. Outside of the known range of the species.
Mountain plover (*Charadrius montanus*)	Short grass prairies or flat, open (30% bare) grasslands, often associated with prairie dog towns and intensive grazing.	None. Although survey area contains habitat, it is outside the known range of the species.

Species	Habitat Description	Potential To Occur In the Survey Area
Piñon jay (*Gymnorhinus cyanocephalus*)	**Piñon-juniper woodlands.**	**Known to occur. Southwestern survey area.**
Prairie falcon (*Falco mexicanus*)	Nest on cliff faces in open country below 10,000 feet.	None. No cliff faces present.
Veery (*Catharus fuscescens*)	Breed in moist, dense riparian thickets, such as willow carrs or cottonwood saplings, in tangles of alders and willows.	None. Outside of known range of species.
Western snowy plover (*Charadrius alexandrinus*)	Alkali flats around reservoirs; migrants use mudflats and sandy shorelines.	None. No alkali flats, mudflats, or sandy shoreline habitats occur in the survey area.

Bolded text indicates species has the potential to occur in the survey area.

5.4.2 Bald and Golden Eagle Protection Act

A golden eagle nest is located in the southwestern portion of the survey area in a ponderosa pine tree on a slope between the mesa top and the Florida River. This golden eagle territory was first documented in 2006. The nest successfully fledged young in 2006 and has been successful in several other years since then. Although golden eagles were observed by airport staff in the vicinity of the airport in 2014 (Dennis Ray, Fire Chief/Operations Manager, personal communication), a biologist from Ecosphere monitored the nest in early 2014 and determined in was inactive. In August 2014, Ecosphere observed the nest in poor condition, with no fresh whitewash or prey remains below it (Photograph 9, Appendix C).

CPW identifies the survey area as bald eagle winter concentration with winter roost sites straddling CR 309a (Figure 3, Appendix A; CPW 2013). CPW defines a bald eagle winter concentration as areas within an existing winter range where eagles concentrate between November 15 and April 1. These areas may be associated with roost sites. Roost Sites are defined as individual trees or groups of trees that provide diurnal and/or nocturnal perches for less than 15 wintering bald eagles, and includes a buffer zone extending 0.25-miles around these sites.

Ecosphere documented bald eagles roosting in three tree snags in this area in 2011 and 2012 while conducting surveys of potential wildlife hazards as part of the Wildlife Hazard Assessment (Ecosphere 2013); however, airport staff removed the trees to eliminate the hazard of eagles roosting so close to the runway. A group of three partially dead cottonwood trees still occur in the northeastern portion of the field, two of which are located on the city-owned property (Photograph 10, Appendix C). These trees all possess the large, open-branch structure preferred for roosting and are likely to attract eagles to use them in the future, since bald eagle populations are increasing nationwide.

No bald eagle nests are known to occur in the survey area; however, good nesting trees are present along the Florida River in the valley below the Airport.

5.5 Unique Wildlife Habitats

The general area that includes the survey area is also identified as severe winter range for both elk (*Cervus elaphus*) and mule deer (*Odocoileus hemionus*) by CPW (CPW 2013). Severe winter range is defined as that part of the range where 90 percent of the individuals are located when the annual snowpack is at its maximum and/or temperatures are at a minimum in the two worst winters out of ten. An elk highway crossing, where elk movements traditionally cross roads and present potential animal-vehicle collisions, is also identified near the airport entrance (Figure 3, Appendix A) (CPW 2013).

Three ponds were observed in the fields northeast of the runway and across CR 309a. These ponds provide habitat for migratory waterfowl and amphibians, and a potential food source (i.e., ducks) for bald and golden eagles (Photograph 10). The irrigated fields northeast of the runway provide suitable nesting habitat for marsh-birds such as American bittern (*Botaurus lentiginosus*). A herd of about 15 mule deer bucks were using the fields for resting, foraging, and cover on August 29, 2014.

The prairie dog colony surrounding the runway and within the fenced boundaries was very active during the surveys in August with (Photograph 11). Pocket gophers, open grassland songbirds, and raptors were all seen using the prairie dog colony on August 26, 2014.

A suspected stick raptor nest was observed in a cottonwood tree on the southeast survey area on August 29. Raptors will re-use nests year to year. It is possible that other raptor nests exist in the piñon-juniper woodlands surrounding the airport and could be a concern if construction is planned close to them during the breeding season.

5.6 Noxious Weeds

A variety of noxious weeds were observed in the survey area during the August surveys. Colorado List B species are invasive weeds with populations of varying distribution and densities within the state. The level of mandated control is based on local conditions; the List B species observed are all enforceable in La Plata County. List B species observed in the survey area include: bull thistle (*Cirsium vulgare*), Canada thistle (*Cirsium arvense*), houndstongue (*Cynoglossum officinale*), musk thistle (*Carduus nutans*), oxeye daisy (*Chrysanthemum leucanthemum*), Russian knapweed (*Acroptilon repens*), Russian-olive (*Elaeagnus angustifolia*), salt cedar (*Tamarix sp*.), and Scotch thistle (*Onopordum acanthium*). List C species, which are widespread and common within the state, include chicory *(Cichorium intybus*), common mullein (*Verbascum thapsus*), field bindweed (*Convolvulus arvensis*), and redstem filaree (*Erodium cicutarium*).

6. Discussion and Recommendations

In order to comply with the state and federal environmental regulations outlined in this document, Ecosphere recommends the following actions:

Potential breeding habitat for southwestern willow flycatcher occurs along CR 309a; therefore, Ecosphere suggests the following:

- Conduct USFWS protocol surveys by a permitted biologist to determine the presence or absence of any southwestern willow flycatcher.
- Initiate discussions with the USFWS to determine the extent of survey requirements: surveys are only valid for one year.

Potential habitat for New Mexico meadow jumping mouse occurs at three locations within the survey area and was documented on the Florida River in 2007 (Frey 2008). Therefore, to determine presence or absence of the species in those areas Ecosphere suggests the following:

- Conduct USFWS protocol survey for Mexico meadow jumping mouse by a permitted biologist.
- Contact USFWS for "Interim Survey Guidelines for the New Mexico Meadow Jumping Mouse," which are currently in preparation.

In 2009, a golden eagle nest in the survey area blew down presumably from natural causes. A pair of golden eagle was observed in 2010; in 2011 the nest was rebuilt and a nesting attempt was, but failed. In 2012 the nest was again successful. Therefore, even though the nest was inactive in 2014 and the nest is in somewhat dilapidated condition, the pair have demonstrated they could repair the nest and successfully breed again in the future. Golden eagles typically maintain more than one nest in a territory so an alternate golden eagle nest may also occur in vicinity of the airport.

Consequently, Ecosphere suggests the following:

- Monitor the known golden eagle nest beginning this breeding season (January/February).
- Pedestrian surveys to locate alternate golden eagle nests within the known territory.

To avoid the potential for bald eagles to roost near the project during construction and avoid seasonal restrictions on construction activity, Ecosphere suggests the following:

- Remove the two cottonwood trees that are potential bald eagle winter roosts. It is appropriate to do this only outside the bald eagle roosting period from March 16 to November 14.

For other raptors, including burrowing owls and breeding birds all protected by the Migratory Bird Treaty Act, Ecosphere suggests the following to avoid non-compliance:

- Conduct a nesting raptor survey the year of construction to determine active nests (including burrowing owls). Surveys should begin in April to capture the most raptors.
- Avoid ground disturbance or vegetation clearing during the breeding bird season, from approximately May 1 through August 1.
- If ground disturbance/vegetation clearing cannot avoid the May 1 to August 1 timeframe, use a qualified biologist to conduct a nest clearance survey of the project area no more than 5 days

prior to construction. If active nests are found, options are available to avoid impacts to migratory birds while allowing activities to continue; however, agency coordination may be required.

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Appendix A–Maps of Project Area

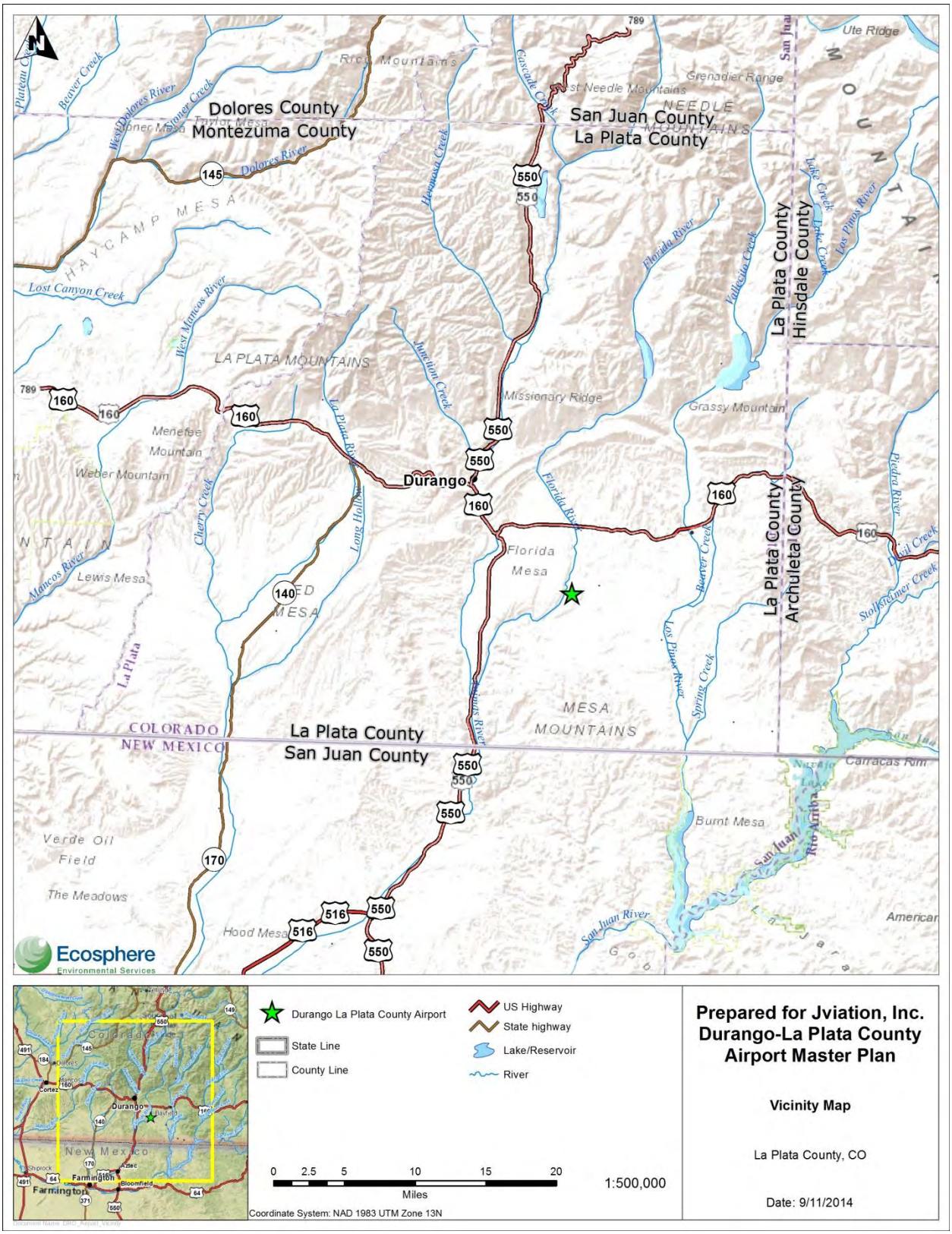


Figure 1: Vicinity of the Durango-La Plata County Airport

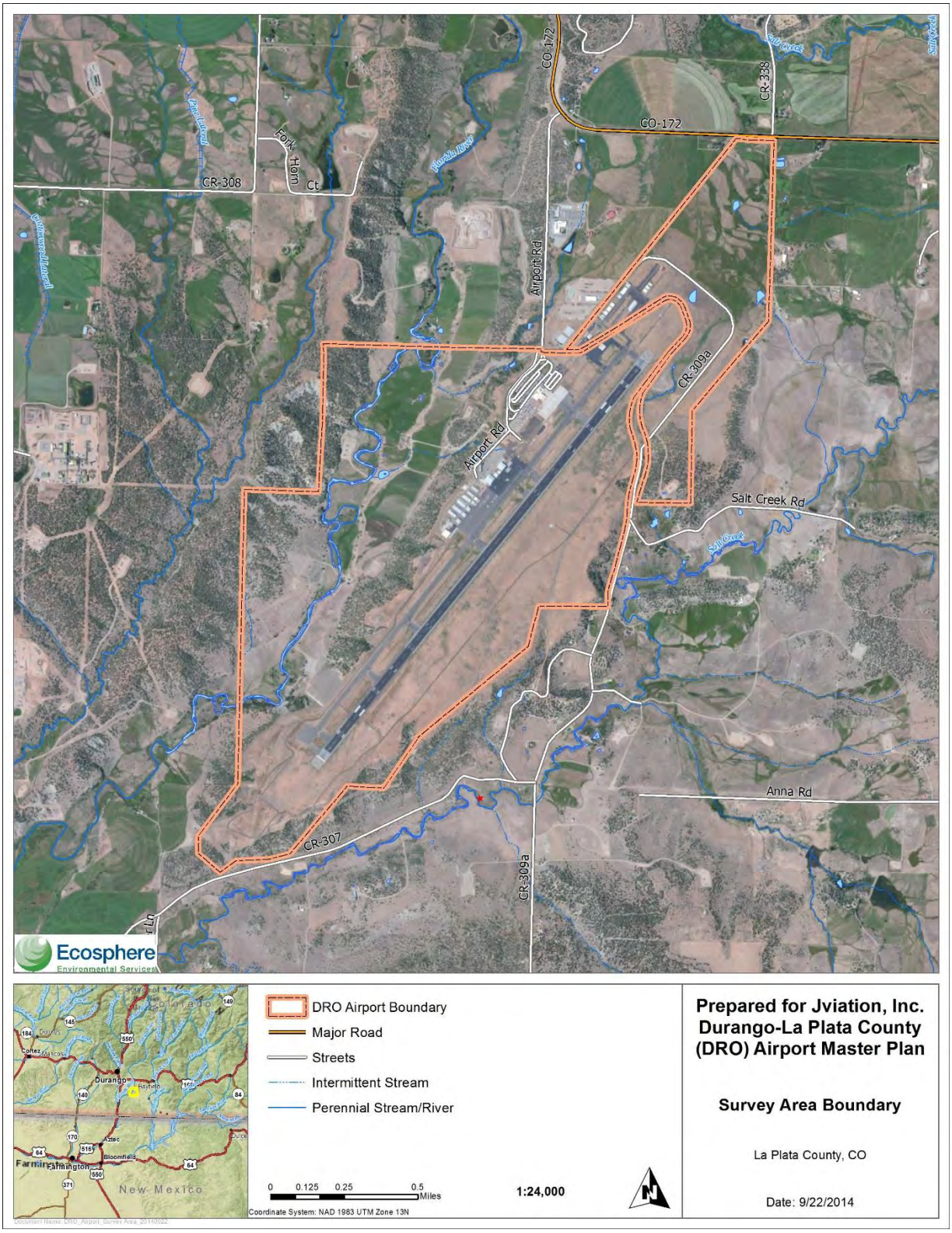


Figure 2: Survey area for biological resources

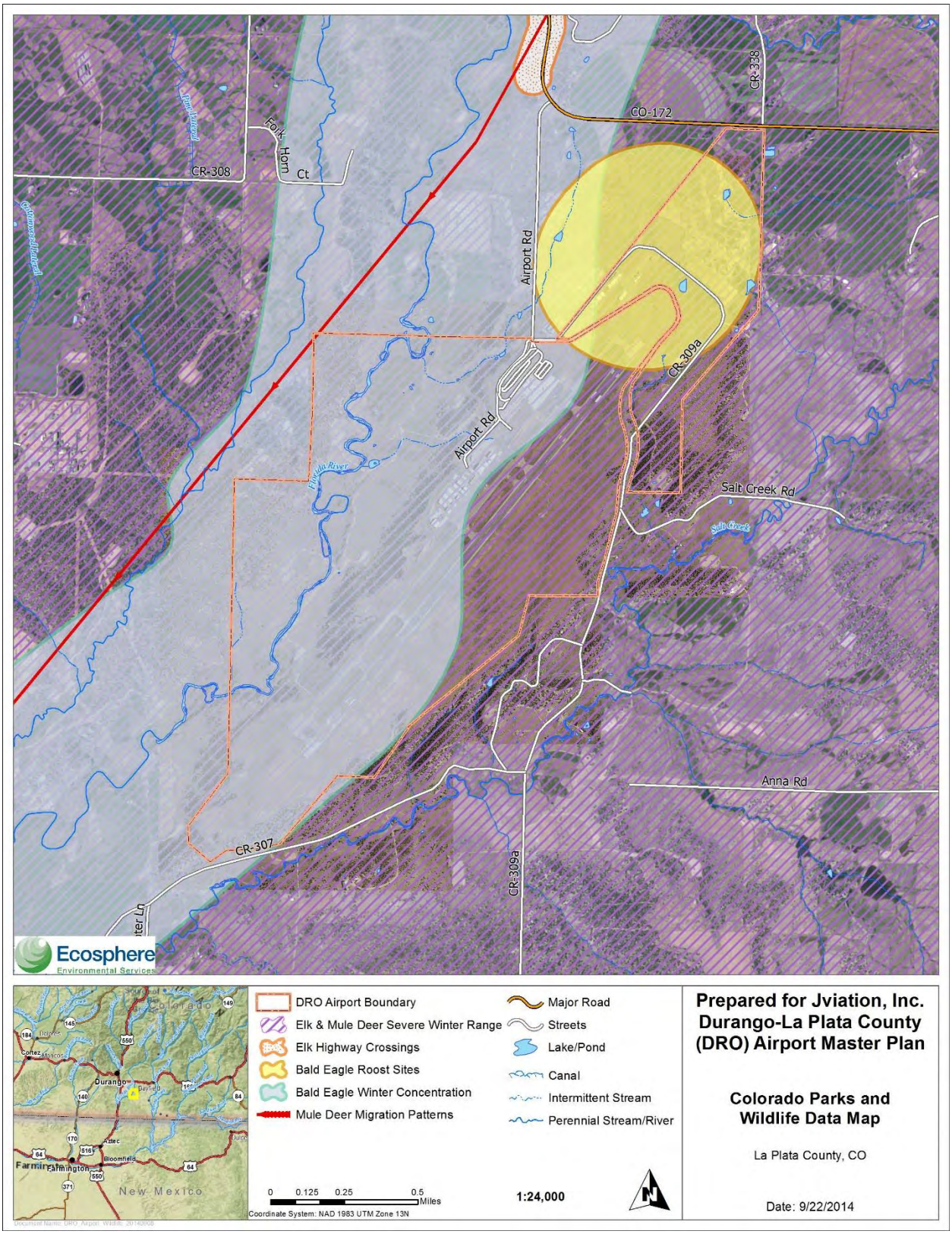


Figure 3: Wildlife habitats in and around the survey area (Colorado Parks and Wildlife 2013)

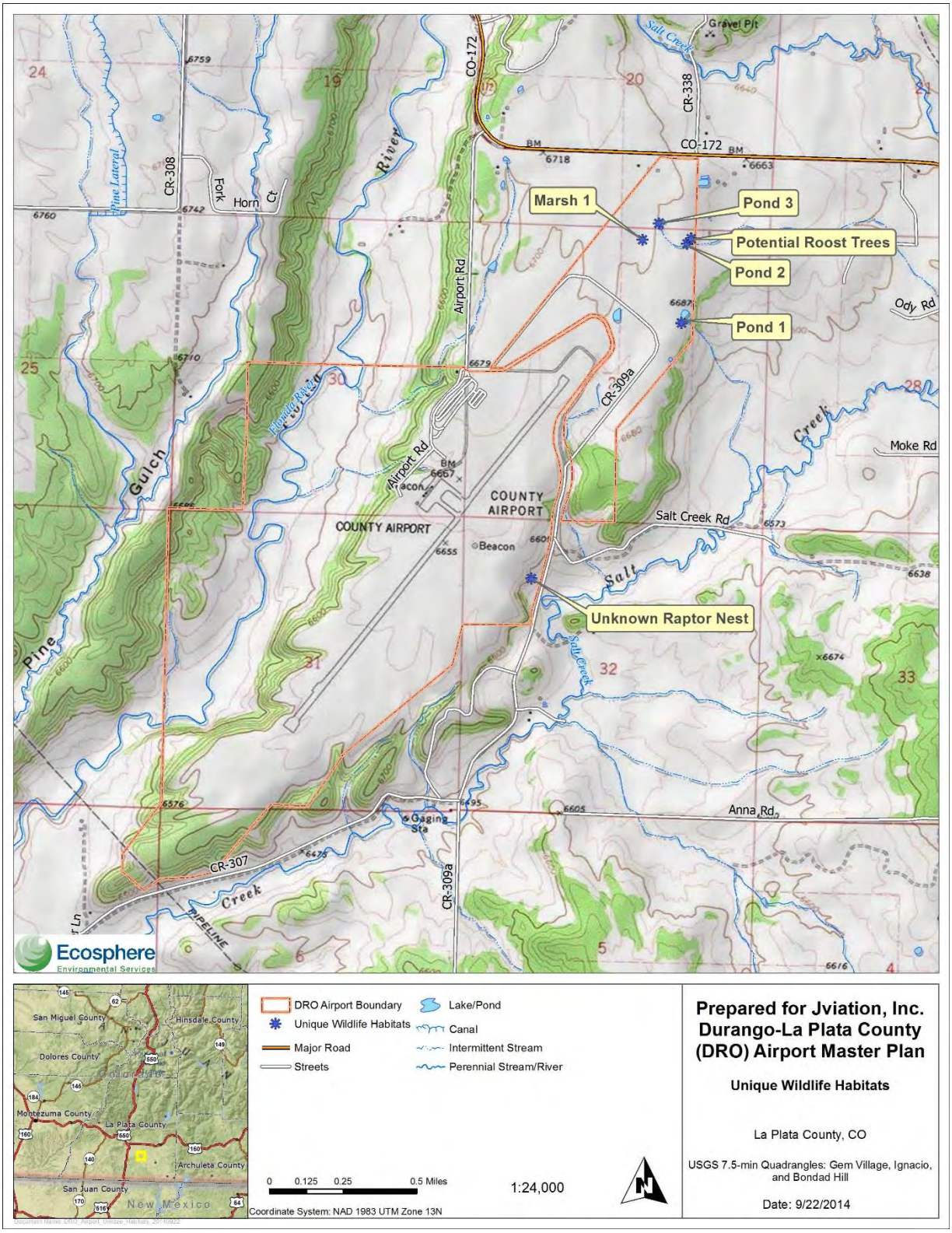


Figure 4: Unique wildlife habitats

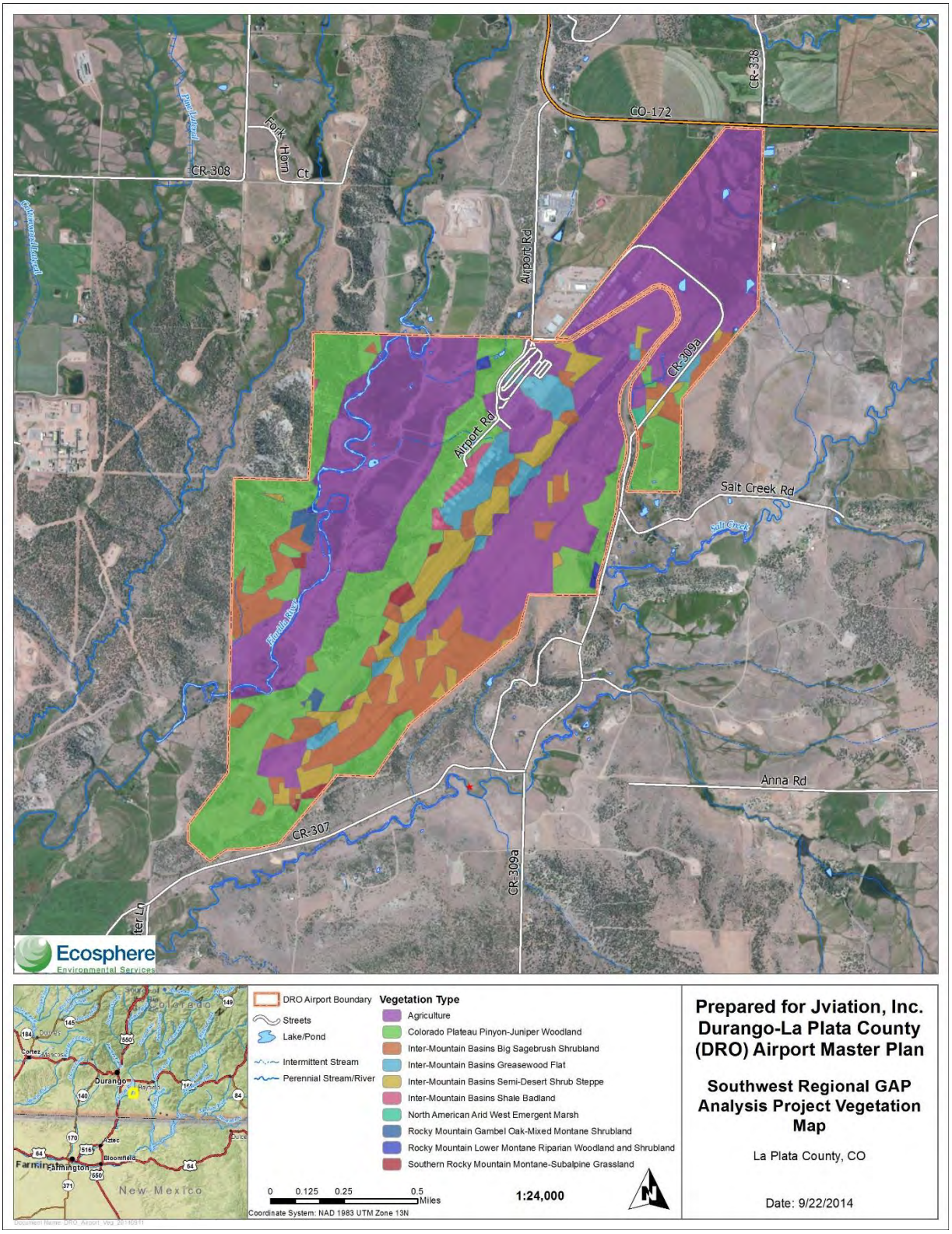


Figure 5: Vegetation communities in the survey area according to Southwest Regional Gap Analysis Project (Lowry et al. 2007)

Appendix B–Wildlife and Plant List

Species	Latin Name
Birds	
American goldfinch	*Spinus tristis*
American robin	*Turdus migratorius*
Ash-throated flycatcher	*Myiarchus cinerascens*
Barn swallow	*Hirundo rustica*
Black-billed magpie	*Pica hudsonia*
Black-capped chickadee	*Poecile atricapillus*
Black-chinned hummingbird	*Archilochus alexandri*
Blue-gray gnatcatcher	*Polioptila caerulea*
Broad-tailed hummingbird	*Selasphorus platycercus*
Brewer's blackbird	*Euphagus cyanocephalus*
Cliff swallow	*Petrochelidon pyrrhonota*
Common raven	*Corvus corax*
Great-blue heron	*Ardea herodias*
Hairy woodpecker	*Picoides villosus*
House finch	*Haemorhous mexicanus*
Juniper titmouse	*Baeolophus ridgwayi*
Lark sparrow	*Chondestes grammacus*
Lesser goldfinch	*Spinus psaltria*
Lewis's woodpecker	*Melanerpes lewis*
MacGillivray's warbler	*Geothlypis tolmiei*
Mallard	*Anas platyrhynchos*
Mountain bluebird	*Sialia currucoides*
Mourning dove	*Zenaida macroura*
Northern flicker	*Colaptes auratus*
Northern mockingbird	*Mimus polyglottos*
Pine siskin	*Spinus pinus*
Red-tailed hawk	*Buteo jamaicensis*
Red-winged blackbird	*Aelaius phoeniceus*
Say's phoebe	*Sayornis saya*

Species	Latin Name
Turkey vulture	*Cathartes aura*
Vesper sparrow	*Pooecetes gramineus*
Violet-green swallow	*Tachycineta thalassina*
Western meadowlark	*Sturnella neglecta*
Western scrub-jay	*Aphelocoma californica*
Western tanager	*Piranga ludoviciana*
Wilson's snipe	*Gallinago delicata*
Mammals	
Mountain cottontail	*Sylvilagus nuttallii*
Mule deer	*Odocoileus hemionus*
Gunnison's prairie dog	*Cynomys gunnisoni*
Grasses	
Indian ricegrass	*Achnatherum hymenoides*
Smooth brome	*Bromus inermis*
Western wheat	*Pascopyrum smithii*
Forbs	
Alfalfa	*Medicago* sp.
Broadleaf cattail	*Typha latifolia*
American wild mint	*Mentha arvensis*
Bull thistle	*Cirsium vulgare*
Chicory	*Cichorium intybus*
Canada thistle	*Cirsium arvense*
Field bindweed	*Convolvulus arvensis*
Houndstongue	*Hieracium cynoglossoides*
Mullein	*Verbascum thapsus*
Musk thistle	*Carduus nutans*
Oxeye daisy	*Leucanthemum vulgare*
Redstem stork's bill	*Erodium cicutarium*
Russian thistle	*Salsola kali*
Russian knapweed	*Acroptilon repens*
Annual yellow sweetclover	*Melilotus indicus*

Species	Latin Name
sunflower	*Helianthus sp.*
Cacti	
Spinystar	*Escobaria vivipara*
Hedgehog cactus	*Echinocereus fendleri*
Pricklypear	*Opuntia polyacantha*
Shrubs	
Big sagebrush	*Artemisia tridentata*
Black sagebrush	*Artemisia nova*
Rubber rabbitbrush	*Ericameria nauseosa*
Gambel's oak	*Quercus gambelii*
Narrowleaf willow	*Salix exigua*
Tamarisk	*Tamarix sp.*
Trees	
Fremont cottonwood	*Populus fremontii*
Two needle piñon	*Pinus edulis*
Narrowleaf cottonwood	*Populus angustifolia*
Ponderosa pine	*Pinus ponderosa*
Rocky Mountain juniper	*Juniperus scopulorum*
Russian olive	*Elaeagnus angustifolia*

Appendix C–PHOTOGRAPHS

Photograph 1: Potential southwestern willow flycatcher habitat, eastern tributary to Salt Creek. (Willows range from 5 to 9 feet tall.)

Photograph 2 : Potential southwestern willow flycatcher habitat, eastern tributary to Salt Creek. (Willows are tall and dense, habitat patch ranges from 20 to 45 feet wide.)

Photograph 3: Florida River lacks shrubs along the banks within the survey area to qualify as potential southwestern willow flycatcher habitat

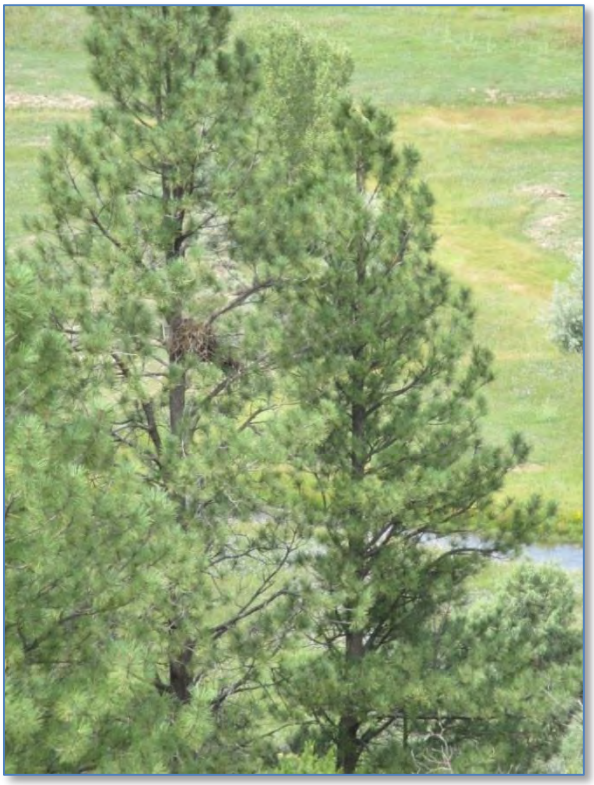
Photograph 4: Looking downstream on the Florida River: potential habitat for New Mexico meadow jumping mouse

Photograph 5: Potential habitat for New Mexico meadow jumping mouse along a wide drainage flowing to the Florida River.

Photograph 6: Potential New Mexico meadow jumping mouse habitat along the eastern drainage to Salt Creek

Photograph 7: Northwestern field containing potential New Mexico meadow jumping mouse habitat

Photograph 8: Rodent (potential mouse) scat in potential habitat shown in photograph 7



Photograph 9: Golden eagle nest

Photograph 10: Potential bald eagle roosts near pond in the northeastern portion of the survey area

Photograph 11: Active Gunnison's prairie dog colony adjacent to the runway

National Flood Hazard Layer FIRMette

FEMA

37°10'5.77"N

107°45'13.04"W

107°44'35.59"W

37°9'37.10"N

Feet

0 250 500 1,000 1,500 2,000

1:6,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth
- Regulatory Floodway *Zone AE, AO, AH, VE, AR*

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- 8 Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The base map shown complies with FEMA's base map accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/15/2018 at 5:10:04 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: base map imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX D

Durango-La Plata County Airport Expansion

Biological Assessment

Prepared for:

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900 South Broadway, Suite 350
Denver, CO 80209

May 31, 2018

Ecosphere
Environmental Services

Durango, CO
Cortez, CO
Pagosa Springs, CO
Santa Fe, NM
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Abbreviations and Acronyms

°F	degrees Fahrenheit
AF	Airport Forecast
BA	Biological Assessment
CFR	Code of Federal Regulations
cfs	cubic feet per second
CR	County Road
DRO	Durango-La Plata County Airport
Ecosphere	Ecosphere Environmental Services, Inc.
ESA	Endangered Species Act
IGA	intergovernmental agreement
LOS	level of service
TAF	Terminal Area Forecast
USFWS	US Fish and Wildlife Service

1. Introduction

The purpose of this Biological Assessment (BA) is to address the potential environmental effects that proposed expansion of the Durango-La Plata County Airport (DRO or the Airport) could have on federally listed endangered or threatened species, or designated critical habitat. The airport is located in southwestern Colorado, in the approximate center of La Plata County.

Threatened and endangered species are managed under the authority of the Endangered Species Act (ESA) of 1973 (Public Law 93-205, as amended; 16 United States Code 1536 (c)). The ESA requires federal agencies to ensure all actions they authorize, fund, or carry out are not likely to jeopardize the continued existence of any endangered or threatened species, or result in the destruction or adverse modification of their critical habitat. This BA is prepared in accordance with legal requirements set forth under section 7 of the ESA, and follows the standards established in 7 Code of Federal Regulations (CFR) 1940.312(c).

This BA has been prepared by Ecosphere Environmental Services, Inc. (Ecosphere). The following species are considered in this BA:

- Wolverine (*Gulo gulo*); Proposed Threatened
- New Mexico meadow jumping mouse (*Zapus hudsonius luteus*); Endangered with critical habitat
- Southwestern willow flycatcher (*Empidonax traillii extimus*); Endangered with critical habitat
- Mexican spotted owl (*Strix occidentalis lucida*); Threatened with critical habitat
- Yellow-billed cuckoo (*Coccyzus americanus occidentalis*); Threatened with proposed critical habitat
- Colorado pikeminnow (*Ptychocheilus lucius*); Endangered with critical habitat
- Razorback sucker (*Xyrauchen texanus*); Endangered with critical habitat
- Knowlton's cactus (*Pediocactus knowltonii*); Endangered

Designated critical habitat for New Mexico meadow jumping mouse occurs within La Plata County on fee and state-managed land. No other designated or proposed critical habitat for any federally listed species occurs in the project or action areas.

Of the listed species with potential to occur in La Plata County, only the New Mexico meadow jumping mouse and the southwestern willow flycatcher have suitable habitat in the project area. US Fish and Wildlife Service (USFWS) protocol surveys were conducted for both species in 2016 by USFWS-permitted Ecosphere biologists. Southwestern willow flycatcher surveys were also conducted in 2017. Both species were detected in the project area, although the willow flycatcher was only detected during one of ten surveys (over 2 years). Two individual willow flycatchers were detected in May 2016 during the first seasonal protocol survey. Detections in May, but not in any other surveys, are typically considered migratory willow flycatchers. It is unknown whether migrants detected this early in the migratory/breeding season are the federally listed southwestern subspecies.

New Mexico meadow jumping mouse trapping surveys were completed in 2016, with the trapping effort resulting in the capture and release of five individuals. The surveys were completed in a wetland area immediately north of the proposed airport expansion. At the time of the surveys, a new access road into the airport was proposed at that location. Because of the presence of the New Mexico meadow jumping mouse in this area, the new access road into the airport was removed from the proposed action. Ultimately, no habitat for either species would be directly impacted by the proposed action. Effects determinations of "may affect, not likely to adversely affect" are made for the southwestern willow flycatcher and New Mexico meadow jumping mouse in this BA. There would be no effect to any other listed species due to the absence of habitat in the action area.

1.1 Background

DRO is a public-use airport located approximately 14 miles southeast of the Central Business District of Durango (Appendix A, Map A-1). Its elevation is 6,689 feet above mean sea level and occupies approximately 1,382 acres. The original 257 acres were purchased in 1947; the other 1,125 acres were purchased between 1959 and 1992.

DRO is co-owned by the City of Durango and La Plata County. Through an intergovernmental agreement (IGA), DRO functions as a City department with direct oversight by the City of Durango. Pursuant to the IGA, the Airport Commission serves in an advisory capacity with its members appointed by the City and County. The Commission is made up of seven board members—three members appointed by City Council, three members appointed by the Board of County Commissioners, and one joint member. The City and County jointly own and maintain the airport facilities, and have ultimate responsibility for all airport policy considerations, as well as compliance with all federal, state, and local regulations.

The Durango-La Plata County Airport 2017 Master Plan's 10-year forecast shows a growth in total operations at DRO from 27,928 in 2013 to 34,439 operations in 2025 (Table 1.1). This forecast was based on different growth rates for commercial operations and general aviation operations.

Table 1.1 – Durango-La Plata County Airport Total Operations Forecast

Year	Itinerant Commercial	Itinerant GA	Itinerant Military	GA Local	GA Total	Total Operations
2013	7,128	6,902	500	13,398	20,300	27,928
2015	7,965	7,132	500	13,844	20,976	29,441
2020	8,471	8,045	500	14,942	22,987	31,958
2025	9,010	8,974	500	15,955	24,929	34,439

Source: Jviation 2017

The 2017 Master Plan recommends a preferred forecast of 283,505 enplanements by 2025 (see Table). A primary factor driving forecasted passenger enplanement growth is the continued trend in larger regional aircraft that will serve markets such as DRO, the conversion of existing seasonal frequency in

favor of year-round service, plus the probable addition of one or more new destinations and additional frequency to existing destinations in the future.

The 2017 Master Plan found the existing level of service (LOS) to be a "D"; however, it is preferred that DRO provide a "B" LOS. A "B" LOS is considered a high level of service where conditions of stable flow, very few delays, and high levels of comfort are most often experienced. In order to meet a "B" LOS, the Airport needs additional terminal space, specifically for airlines, Transportation Security Administration, concessions, and space for the general public as shown in Table 1.3.

Table 1.2 – Durango-La Plata County Airport passenger enplanement forecast

Timeframe	Year	DRO Forecast	TAF	AF/TAF (% Difference)
N/A	2013	192,797	192,797	0.0%
Base year	2015	205,594	205,594	0.0%
Base year + 5 years	2020	241,427	231,186	4.4%
Base year + 10 years	2025	283,505	253,344	11.9%

Source: Jviation 2017.

Notes: AF=Airport Forecast; DRO=Durango-La Plata County Airport; N/A=not applicable; TAF=Terminal Area Forecast.

Table 1.3 – Durango-La Plata County Airport terminal facility requirements summary

Type of Occupancy	Existing Space (square feet)	Current Need (2015)
Airline Space	17,000	26,924
Transportation Security Administration Space	2,500	14,830
Concessions	4,200	3,500
Public Circulation	12,263	24,500
Washrooms	1,159	3,660
Public Space Sub-Total	13,500	28,160
Airport Administration Sub-Total	2,400	5,000
Utilities and Support Spaces Sub-Total	1,900	3,686
Total Terminal Area (Rounded)	41,500[a]	82,100

Source: Jviation 2017.

[a] The areas described above are approximate based on available archived drawings and CAD files for the existing terminal building; therefore, rounded totals were used for the existing facility.

The airport facilities include the airfield (runway, taxiways, and aprons), terminal area, parking areas, navigational/visual aids, Fixed-Based Operator, and hangars. The primary purpose of the proposed action is to better meet Durango-La Plata County Airport's existing service and facility needs in a manner

that allows for future growth and development specifically in relation to the terminal building, parking, and apron.

1.2 Consultation History

There is no consultation history with the USFWS directly related to the DRO. Past consultations in the region pertain to water supply associated with Ridges Basin Reservoir (consultation numbers 2-22-80-F-13 and ES/GJ-6-CO-00-F-016) and to dam operations at Navajo Reservoir southeast of the airport (consultation numbers 2-22-91-F-292 and 2-22-98-F-402). These and other USFWS consultations in La Plata County are outside of the action area analyzed in this BA.

There is also the Intra-Service Section 7 Consultation for Minor Water Depletions of 100 Acre-Feet or Less from the San Juan River (R2/ES-TE CL 04-054) (USFWS 1999). The consultation concluded that new individual depletions of 100 acre-feet or less, up to cumulative total of 3,000 acre-feet per year, would not limit the provision of flows identified for the recovery of Colorado pikeminnow and razorback sucker, and thus, would not be likely to jeopardize the endangered fish species or result in the destruction or adverse modification of their habitat (USFWS 1999). This past consultation comes into play when a proposed action results in depletion of water to the San Juan River. No new water depletions to the San Juan River would occur under this proposed action.

2. Description of the Proposed Action and Action Area

2.1 Purpose and Need

The primary purpose of the proposed action is to better meet DRO's existing service and facility needs in a manner that allows for future growth and development specifically in relation to the terminal building, parking, and apron.

2.2 Study Area

The airport is situated in the foothills of the San Juan Mountains in southwestern Colorado, approximately 14 miles southeast of the city of Durango (Appendix A, Map A-1). The airport is located in La Plata County in Section 29, Township 34 North, Range 8 West, New Mexico Principal Meridian on the Loma Linda, Colorado 7.5-minute US Geological Survey quadrangle.

2.3 Action Area

The action area comprises all areas directly or indirectly affected by the proposed project (50 § CFR 402.02). Direct effects are caused by the action, and occur at the same time and place as the action. Indirect effects are those caused by or resulting from the proposed action and are later in time, but still reasonably certain to occur.

Potential impacts to federally listed species that could occur from the proposed action include the following:

- Ground and vegetation disturbance, and resulting habitat alteration or loss
- Disturbance from increased traffic in localized areas
- Adverse effects to surface or groundwater quality from spilled petroleum products or industrial fluids
- Injury or mortality to individuals from vehicles or equipment
- Disturbance from noise

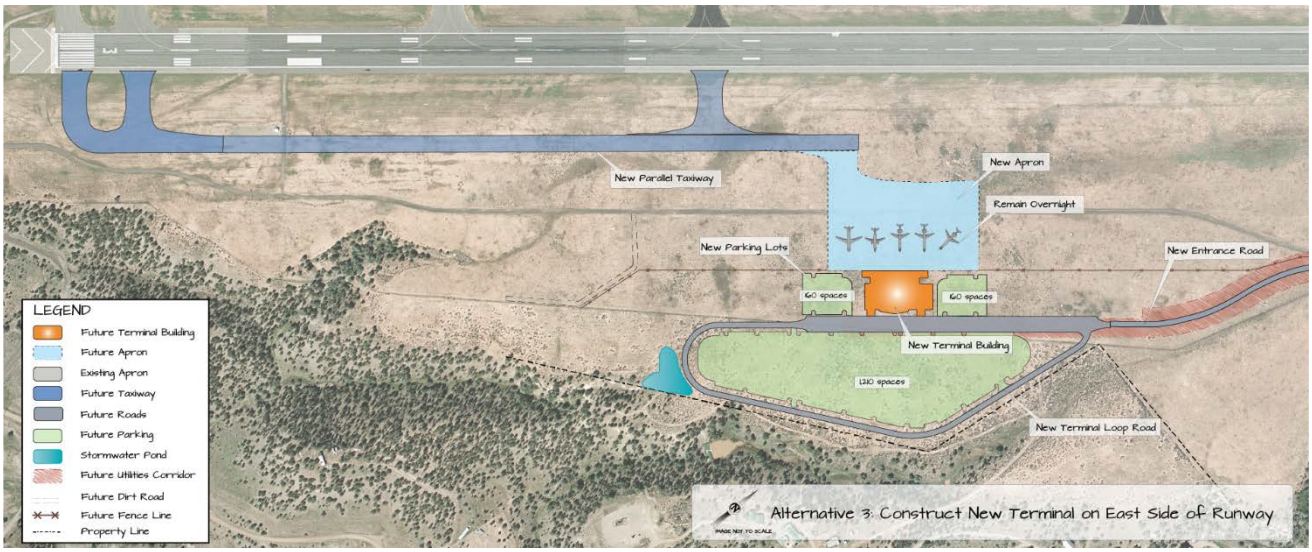
Based on the types of impacts that could result in direct or indirect impacts to federally listed species, the action area was delineated as a 0.5-mile buffer around the proposed airport expansion footprint.

2.4 Summary of the Proposed Action

The proposed action (Preferred Alternative) is listed as Alternative 3 in the project Environmental Assessment. The proposed action involves construction of all new terminal facilities on the east side of the existing airfield on undeveloped land (Figure 2.1); some of this land was disturbed during initial airport construction. This alternative seeks to use airport-owned land that is available for development, but has not been considered accessible due to barriers such as utility extension and access. Construction of a new terminal, aircraft parking apron, partial parallel taxiway, auto parking, and access roadways to

County Road (CR) 309A would be required. Once that occurs, the former terminal location would be made available for lease or redevelopment.

Figure 2.1 – Construct new terminal on east side of runway



Note: Not to scale

2.4.1 Terminal Building

The proposed action includes construction of a new terminal building on the east side of the existing airfield. High-performance modern systems would be used to capture the benefits of sustainable design principles and reduce operating costs of the new building. No phasing would be needed, as airport operations would not be affected by construction. Concession areas meeting program requirements would be located at both sides of the security checkpoint and sized to offer passengers options for food, beverage, and sundries. Sustainable design elements would be featured throughout the site development.

2.4.2 Terminal Apron

A new aircraft parking apron is included with construction of the new terminal building. The apron would accommodate five aircraft parking spaces: four gate positions and one overnight spot. The new terminal building would be centered on the terminal apron, and both the terminal and apron could be expanded to the north and south.

2.4.3 Partial Parallel and Connector Taxiways

To provide terminal service on the east side of the runway, a new partial parallel taxiway—Taxiway B—would be constructed to allow for safe and efficient aircraft movement. Three connector taxiways with the required 400-foot taxiway-to-runway separation would be constructed with edge lighting, airfield signage would be installed, and various electronic navigational aids would be relocated outside of the safety areas. The south end of Taxiway B would remain within a critical area for the Glideslope antenna,

thus hold lines are proposed on either side of the critical area, a commonly used mitigation strategy. This approach allows for considerable savings because the area features sloping terrain that would otherwise require additional earthwork to construct around the critical area.

2.4.4 Auto Parking

Parking has been defined in three areas that have the potential to be expanded to the north and south to accommodate future growth. The stormwater in these lots would be collected by a system of inlets and underground storm sewer pipes, and conveyed to a new detention pond. Allowable ponding depths at inlets in parking areas would be carefully considered to balance inlet efficiency and passenger comfort. Utility infrastructure for the parking lots would include electrical, communications ducts, and wiring for lighting and revenue control.

2.4.5 Access Roadways

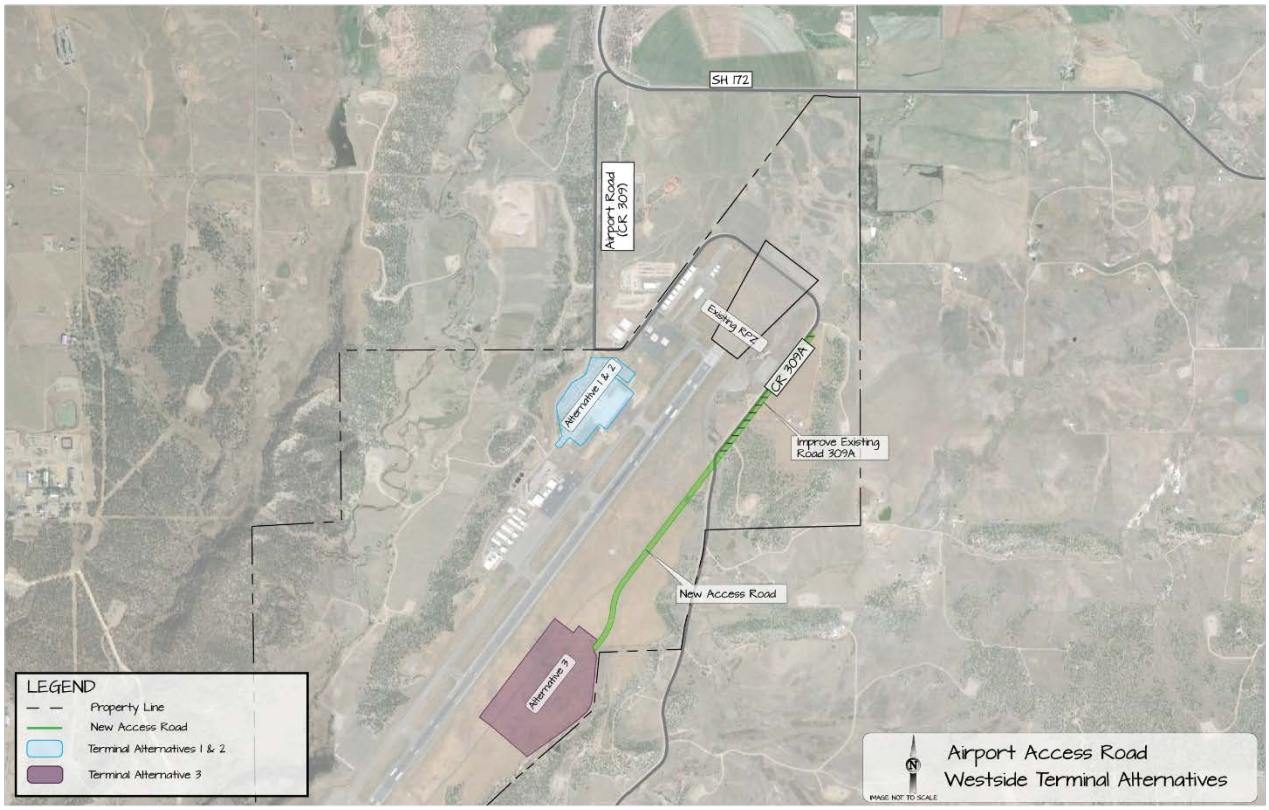
A new road would be constructed from CR 309A up to a new terminal loop road (Figure 2.2). CR 309A would be improved by bringing the existing two-lane paved and gravel roadways up to new access road typical section standards. CR 309A is located below the mesa, therefore the new access road would need to ascend the slope to reach the new terminal site. This would require cut and fill to meet grade requirements. Landscaping berms would be considered to lessen the visual impact of the new roadway as it climbs the mesa. A new circulation road—with two 12-foot lanes, curb and gutter, and two 5-foot-wide sidewalks—would be constructed to support the terminal development on the east side. Additional lanes may be needed at intersections and in front of the terminal to increase safety and improve traffic flow.

2.4.6 Utility Improvements

Additional utility infrastructure—water, sanitary sewer, storm sewer, natural gas, electric, communications, and irrigation—is needed to support the new terminal building. Most of these utilities would be installed using open-trench construction with granular bedding, and would be extended from the existing infrastructure on the west side of the runway.

To accommodate the new development area, an electric vault would be installed on the east side of the airfield near the terminal. This new vault would replace the existing vault and provide power to the entire airfield lighting system.

Figure 2.2 – Airport access road



Source: Jviation, 2017

Note: Not to scale

2.4.7 Borrow Site

Fill material would be needed to prepare the construction site for the proposed development. The proposed borrow site is shown in Figure 2.3Figure . The site is approximately 78,000 square yards and would provide enough fill for all components of the proposed action.

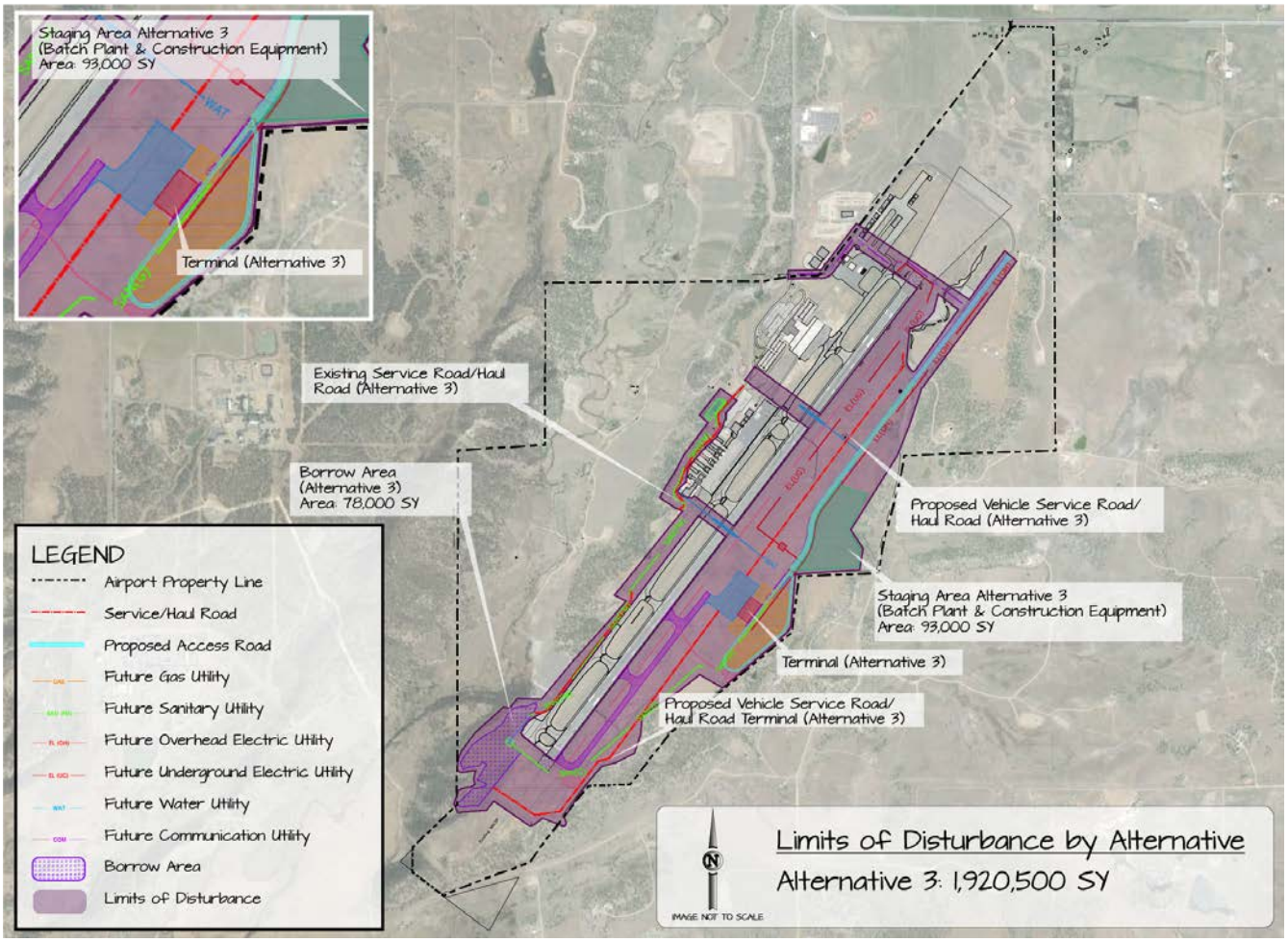
2.4.8 Staging Area

A staging area for equipment and an asphalt batch plant are also part of the proposed action. The staging area would be located east of the runway and north of the proposed terminal site (Figure 2.3). The development site would be accessed from the staging area via the proposed access road.

2.4.9 Vehicle Service and Haul Roads

The proposed action includes construction of a vehicle service/haul road that would run from the proposed borrow site to the new apron. The road would continue north of the apron and tie into the existing service road at the north end of the runway (Figure 2.3). The southern portion of the access road (running from the borrow site to the new apron) would also serve as a haul road during construction.

Figure 2.3 – Limits of disturbance



Source: Jviation, 2017

Note: Not to scale

3. Environmental Baseline

The environmental baseline includes the past and present effects of all federal, state, or private actions and other human activities in the action area; the anticipated effects of all proposed federal projects in the action area that have already undergone formal or early section 7 or section 10 consultation; and the effect of state or private actions, which are contemporaneous with the consultation process (50 CFR 402.02).

3.1 Climate

The climate in the action area is mild and semi-arid. Summers are dry, and winters often have heavy snow. The growing season is about 100 days. Based on climate data from the Ignacio 1N (054250) weather station and the period of record from 1909 to 1993, the average annual precipitation is 14.7 inches. Snowfall averages 38.4 inches annually (Western Regional Climate Center 2016).

Over the last 30 years, temperatures have increased by approximately 2 degrees Fahrenheit (°F) in Colorado. Climate models project Colorado will warm by 2.5°F to 5°F by 2050, relative to the 1971-2000 baseline. Summers are projected to warm more than winters. From observed climate trends in Colorado, no consistent long-term trends in annual precipitation have been detected. Projections show a decline in snowpack at lower elevations (below 8,200 feet) across the West by the mid-21st century. Several studies suggest that shifts in timing and intensity of stream flows are related to warming spring temperatures. The timing of runoff in Colorado river basins has shifted by 1 to 4 weeks earlier in the spring (Lukas et al. 2014).

Climate change may have wide-ranging effects on water resources in the state, including the action area. According to Lukas et al. 2014, these effects include the following:

- Increases in evapotranspiration by plants, lower soil moisture, and altered growing seasons may increase water demand.
- Changes in snowpack, streamflow timing, and hydrograph evolution may affect the timing and magnitude of spring runoff, which may affect the functioning of diversion, storage, and irrigation conveyances in the action area.
- Changes in the timing and hydrograph may affect sediment load and contaminant concentrations, which may affect water quality.
- Increasing temperature and changing soil moisture may shift mountain habitats toward higher elevations.
- Changes in air, water, and soil temperatures may affect the relationships between forests, surface water, groundwater, wildfire, and insect pests. Water-stressed trees, for example, may be more vulnerable to pests.
- Stream temperatures are expected to increase as the climate warms. This could have direct and indirect effects on aquatic ecosystems, including the spread of in-stream nonnative species and diseases to higher elevations, and the potential for nonnative plant species to invade riparian areas. Changes in streamflow intensity and timing may also affect riparian ecosystems.

- Changes in reservoir storage, streamflow intensity and timing, character and timing of snowpack, and the ratio of snowfall to rainfall may affect recreation activities.
- Changes in long-term precipitation and soil moisture may affect groundwater recharge rates. Coupled with demand issues, this may cause greater pressures on groundwater resources.

3.2 Vegetation Communities

According to the Southwest Regional Gap Analysis Project, the primary vegetation community in the survey area is mapped as agriculture, both on the mesa top and in the Florida River valley. Although the airport is industrial, the historical land use was agricultural. Agriculture, especially ranching, continues to dominate the surrounding area. The second-most dominant vegetation community is Colorado Plateau Piñon-Juniper Woodlands, which covers the slopes leading up to the mesa and the slope along the Florida River valley. Other vegetation types include Inter-Mountain Basins Big Sagebrush Shrublands interspersed within the piñon-juniper woodlands and Inter-Mountain Basins Semi-Desert Shrub Steppe. The airport facilities and buildings occur in an area mapped as Inter-Mountain Basins Greasewood Flats.

3.3 Wetlands

In total, approximately 57 acres of potentially jurisdictional wetlands were delineated and mapped in the study area. A complete description of these wetlands, including the location of all wetland features, is included in the Wetlands and Waters of the US Preliminary Jurisdictional Delineation Report (Ecosphere 2014) provided under separate cover to Jviation.

3.4 Hydrology

The Florida River is a managed, perennial stream tributary to the Animas River. As a result, surrounding floodplains infrequently flood, unless there is a localized lower-elevation precipitation event. Lemon Reservoir is located roughly 20 miles upstream and is managed by the US Bureau of Reclamation as a Colorado River Storage Project. Outflow from the reservoir on September 27, 2014, was 10 cubic feet per second (cfs). The Florida Water Conservancy District manages irrigation water deliveries from the reservoir. Irrigation return flows increase streamflow in the Florida River along its course and until its confluence with the Animas River.

Within the survey area, cattle have access to most all the river corridor, perhaps limiting establishment of woody riparian species, such as coyote willow (*Salix exigua*). However, a few small, scattered palustrine scrub-shrub communities of coyote willow and/or hawthorne (*Cratageus* spp) were identified.

3.5 Water Use

The airport has water rights in two basins to meet its potable and non-potable water needs. The airport is located on the edge of the Florida River watershed; the airport facilities use Florida River water rights

to provide potable water supply for domestic, commercial, and industrial uses as well as non-potable (irrigation) needs. The airport is also located in the Pine River basin and uses the water for irrigation.

These water rights currently allow the airport a share of 1.0 cfs during irrigation season, 0.10 cfs absolute and 0.84 cfs conditional as a winter water source, and 0.25 cfs conditional year-round source. Additionally, a 0.25 cubic foot per minute conditional surface water share is available from the Florida River.

DRO's on-site water system consists of a raw water holding tank, a water treatment system, and two treated water holding tanks. The system provides approximately 12,000 to 15,000 gallons of water per day to the airport, with the capacity to provide up to 30,000 gallons per day.

4. Species/Critical Habitat Considered

According to the USFWS, there are eight threatened, endangered, or proposed species with the potential to occur in the project area (Appendix B). Table 4.1 lists these species and their potential to occur in the study area. Two of the eight species, the New Mexico meadow jumping mouse and the southwestern willow flycatcher, are evaluated in detail in this assessment. The rationale for eliminating the remaining listed species is detailed in Table 4.1, and is primarily based on an absence of habitat.

The following sections describe the habitat requirements, life history, and distributions and status of the jumping mouse and willow flycatcher. Also included in these sections are the effects determinations for each species.

4.1 Species Descriptions

4.1.1 New Mexico Meadow Jumping Mouse

New Mexico meadow jumping mouse was identified as a candidate for federal listing in December 2007. The subspecies was listed as endangered in 2014 (USFWS 2014a). In 2016, critical habitat was designated where the species is known or likely to be extant (USFWS 2016). Identified threats to this subspecies are habitat loss from excessive grazing pressure, water use, and management; highway reconstruction; development; unregulated recreation; and beaver removal (USFWS 2014a). Catastrophic drought and wildfire have also been identified as threats, and may be heightened by the effects of climate change (USFWS 2014b).

Recent DNA genetic and morphological studies conclusively found that the New Mexico meadow jumping mouse is a distinct well-diverged, subspecies differentiated from other *Zapus hudsonius* subspecies (Frey 2008, Malaney et al. 2012, USFWS 2014b).

The New Mexico meadow jumping mouse is dark yellowish brown, dark brown, and grayish-brown on the back, yellowish brown on the sides, and white underneath (Frey 2008, USFWS 2014b). This small rodent has long hind feet and an extremely long tail. The hind legs are longer than the front legs. The tail is tapered, sub-cylindrical, and longer than the body. Each hind foot has five toes, while each front foot has four toes (Frey 2008, USFWS 2014b).

Table 4.1 – US Fish and Wildlife Service species listed for La Plata County, Colorado

Species	Status	Habitat	Potential to Occur in the Study Area	Eliminated from Detailed Consideration
Mammals				
Wolverine (*Gulo gulo*)	PT	Large, remote tracts of boreal forest and alpine tundra.	None. No boreal forest or alpine tundra habitats exist in the survey area.	Yes
New Mexico meadow jumping mouse (*Zapus hudsonius luteus*)	E	Habitat specialist occurring in herbaceous emergent wetlands, especially dominated by sedges and broad-leaved forbs. Also, may utilize riparian communities containing scrub-shrub wetlands along perennial streams.	Known to occur in the study area. Suitable habitat occurs along rivers in the study area including the Animas, La Plata, Los Piños, Piedra, and San Juan Rivers, as well as Sambrito Creek.	No
Birds				
Southwestern willow flycatcher (*Empidonax traillii extimus*)	E	Breeds in dense, shrubby riparian habitats, usually near surface water or saturated soil.	Suitable habitat occurs along the Animas, La Plata, Los Piños, Piedra, and San Juan Rivers as well in in willow thickets near irrigation ditches or wetlands. Breeding birds have been historically documented on the Los Piños River in the study area.	No
Mexican spotted owl (*Strix occidentalis lucida*)	T	Nests in caves, cliffs, or trees in steep–walled canyons of mixed conifer forests.	None. No caves, cliffs, or steep-walled canyons occur in the survey area.	Yes
Yellow-billed cuckoo (*Coccyzus americanus occidentalis*)	T	Breeds in riparian woodlands with dense, understory vegetation. Rarely nests in habitat patches smaller than 50 acres.	None. No cottonwood gallery forests with adequate understory vegetation occur in the survey area.	Yes

Species	Status	Habitat	Potential to Occur in the Study Area	Eliminated from Detailed Consideration
Fish				
Colorado pikeminnow (*Ptychocheilus lucius*)	E	Occurs in large rivers with strong currents, deep pools, and quiet backwaters.	Not known to occur in the study area. Occurs downstream on the San Juan River. Listed in La Plata County, based on depletions to the Colorado River basin.	Yes
Razorback sucker (*Xyrauchen texanus*)	E	Occurs in medium to large rivers with silty to rocky substrates. Prefers strong currents and deep pools.	Not known to occur in the study area. Occurs downstream on the San Juan River. Listed in La Plata County, based on depletions to the Colorado River basin.	Yes
Plants				
Knowlton's cactus (*Pediocactus knowltonii*)	E	Occurs in alluvial deposits that form rolling, gravelly hills in piñon-juniper and sagebrush communities between 6,200 and 6,400 feet. A type locality of the Los Piños River area.	Los Piños, La Plata, Florida, Piedra, and Animas River Valleys and Sambrito Creek include potential alluvial substrates; known populations exist along the Los Piños River bordering the study area.	Yes

Notes: E=endangered, PT=proposed threatened, T=threatened.

4.1.1.1 Life History

The New Mexico meadow jumping mouse hibernates 8 or 9 months of the year, and is active only during the summer when it breeds, raises young, and stores sufficient fat reserves to survive the next hibernation period. In general, breeding occurs from May through September, but is often curtailed at higher elevations and extended in lower, warmer regions. This species can be active both day and night, but are generally nocturnal and solitary (USFWS 2014a; Frey 2015). The average lifespan of this mouse is likely less than 1 year, with the longest lifespan about 3 years (USFWS 2014b).

The New Mexico meadow jumping mouse's breeding season likely begins in July or August, shortly after emerging from hibernation (USFWS 2014b). In montane populations, pregnant females are known from July to late August and evidence suggests that they have a single litter each year based on a single peak in pregnancies in late July (Frey 2015).

Diets of other jumping mouse species are varied, consisting of seeds, insects, fruits, and fungi. As the season progresses, diets shift from insects to seeds as they become more available. In New Mexico, New Mexico meadow jumping mouse has been observed eating common threesquare (*Schoenoplectus pungens*), saltgrass (*Distichlis spicata*), spikerush (*Eleocharis macrostachya*), foxtail barley (*Hordeum jubatum*), Saunder's wildrye (*Elymus saundersii*), Japanese brome (*Bromus japonicas*), slender wheatgrass (*Elymus trachycaulus*), and knotgrass (*Paspalum distichum*). Food availability, particularly grass seed, is an important factor that affects population persistence (USFWS 2014b).

4.1.1.2 Habitat

The New Mexico meadow jumping mouse occurs at elevations between 4,500 and 8,000 feet, but historic populations were found at higher elevations, including areas around Tres Ritos (8,750 feet) and the Taos Ski Valley (9,600 feet) (USFWS 2013, 2014b). Habitat requirements are characterized by tall (24-inch), dense riparian herbaceous vegetation composed of sedges and forbs. This suitable habitat is found only when wetland vegetation achieves full growth potential associated with perennial flowing water. The subspecies has not been found in areas with rocky stream banks or with bare ground (USFWS 2014a).

Day nests are used for protection and resting, and are typically constructed of grasses, forbs, sedges, rushes, or other plant material and are commonly above ground. The subspecies has been found to use multiple day nests. Maternal nests are constructed below ground in woody riparian areas dominated by shrubs or trees (USFWS 2013, 2014a). Little is known about hibernation nests, but they are likely similar to other subspecies of meadow jumping mouse. It has been suggested that the New Mexico meadow jumping mouse may nest and hibernate in drier upland, grassy areas adjacent to riparian habitat; and likely occurs below ground near the base of shrubs or trees (Frey and Wright 2012; USFWS 2014b).

The subspecies is thought to have limited mobility and dispersal capacity. On the Bosque del Apache National Wildlife Refuge, New Mexico meadow jumping mouse exhibited high site fidelity for daily activities and the maximum distance traveled between two points was 2,141 feet; however, most daily

movements were less than 328 feet. In the Jemez Mountains, the maximum distance traveled was 500 feet, with an average of 176 feet. Individual mice in the Jemez Mountains study were found to frequently move between 164 to 328 feet on a regular basis (USFWS 2014b). Home range sizes are likely related to the size of the suitable habitat. Average home ranges in the Jemez Mountains were estimated at 0.63 acre (for males) and 0.45 acre (for females). Home ranges in the Bosque del Apache National Wildlife Refuge averaged 3.4 acres to 4.15 acres, with male home ranges larger than those of females (USFWS 2014b; Wright and Frey 2015).

4.1.1.3 Designated Critical Habitat

There is no critical habitat for the New Mexico meadow jumping mouse in the DRO expansion project action area. There is designated critical habitat for this species in other areas of La Plata County, however those areas are outside of the area of impact associated with the proposed action.

4.1.1.4 Distribution and Status

New Mexico meadow jumping mouse is endemic to Arizona, southern Colorado, and New Mexico and is currently restricted to isolated areas in the San Juan, Sangre de Cristo, Jemez, Sacramento, and White Mountains along with portions of the Rio Grande Valley (USFWS 2014b).

Although there may be some additional populations of New Mexico meadow jumping mouse that persist in small isolated areas, there have only been 29 documented localities since 2005. Three localities are in the Sangre de Cristo Mountains along the border of Colorado and New Mexico; seven in the Jemez Mountains, four in the Sacramento Mountains, one at Bosque del Apache National Wildlife Refuge, New Mexico, two are in the San Juan Mountains, Colorado, and 12 are localities in the White Mountains, Arizona (USFWS 2014b).

New Mexico meadow jumping mouse occurrence in this portion of La Plata County has been genetically confirmed. Data collected from surveys between 2014 and 2017 are being used to determine the species population status. Based on these recent surveys, the subspecies has been documented in at least 10 different distinct populations from the Los Piños, Piedra, Florida, Animas, and San Juan river drainages and their tributaries in La Plata County. In 2007, the subspecies was trapped along the Florida River on private property in the study area (Frey 2008; USFWS 2014b). In 2012 and 2013, the subspecies was recorded in Sambrito Creek by Colorado Parks and Wildlife (USFWS 2014b) and during surveys in 2015 (Ecosphere 2016, unpublished data). In 2016, five individuals were captured and released following USFWS-protocol trapping surveys completed by Ecosphere in the action area. The jumping mouse was detected in habitat along the Florida River west of the airport proper and along an irrigation canal north of the airport proper where a new airport access road was previously proposed.

4.1.2 Southwestern Willow Flycatcher

The southwestern willow flycatcher was listed as endangered in 1995 (USFWS 1995). Critical habitat was designated in 1997 and modified in 2013 (USFWS 2014c).

The flycatcher subspecies is a small bird with adults averaging about 5.8 inches in length. It has a grayish-green back and wings, light grey-olive breast, and pale yellowish body. This bird eats a wide range of invertebrate prey including flying, ground-, and vegetation-dwelling, terrestrial and aquatic insect species. Although males are the primary singers, females also sing occasionally (USFWS 2002).

Threats to the subspecies include habitat loss and modification from increased agricultural and urban development in riparian areas. Riparian ecosystems have also been modified by declines in water flow and groundwater interruptions, physical modifications to streams, livestock grazing removal of riparian vegetation, wildfire, and water management and land use practices. Brood parasitism by brown-headed cowbirds (*Molothrus ater*) has also been identified as a threat to the subspecies (USFWS 2002). Additional threats include the tamarisk (saltcedar) leaf beetle and effects of climate change (USFWS 2014c).

4.1.2.1 Life History

The southwestern willow flycatcher is one of four subspecies of the willow flycatcher currently recognized. The subspecies is a neo-tropical migrant that winters in Central and South America and breeds in the southwestern US. All willow flycatcher subspecies migrate and breed in the U.S. from April to September (USFWS 1995). The average southwestern willow flycatcher life expectancy is 1.9 years following fledging, but some individuals have lived at least 9 years. Nestlings that fledge later in the breeding season have a lower survivorship than those that fledge earlier in the season. Southwestern willow flycatchers have higher site fidelity (to a local area) than nest fidelity (to a specific nest location). The subspecies has been found to move among sites within stream drainages rather than between drainages (USFWS 2014c).

4.1.2.2 Habitat

Typical southwestern willow flycatcher breeding habitat consists of relatively dense riparian vegetation along streams or other wetlands, near or adjacent to surface water, or underlain by saturated soils (Sogge et al. 1997; USFWS 2002). Historically, southwestern willow flycatchers nested in native riparian vegetation such as willows (*Salix* spp.) and boxelder (*Acer negundo*). Following changes in vegetation patterns, flycatchers still nest in native vegetation where available, but also nest in riparian exotics such as tamarisk (*Tamarix* spp.) and Russian olive (*Elaeagnus angustifolia*) (USFWS 2002). Habitat characteristics such as dominant plant species, size and shape of habitat patch, tree canopy structure, vegetation height, and vegetation density vary widely among breeding sites. Riparian patches used by breeding flycatchers vary in size and shape, ranging from a relatively contiguous stand of uniform vegetation to an irregularly shaped mosaic of dense vegetation with open areas. Southwestern willow flycatchers have nested in patches as small as 1.97 acres (e.g., in the Grand Canyon) and as large as several hundred acres (e.g., at Roosevelt Lake, Arizona, or Elephant Butte Reservoir, New Mexico.). They have rarely been found nesting in isolated, narrow, linear riparian habitats that are less than 98 feet wide, although they will use such linear habitats during migration (Sogge et al. 2010). Nests are found in thickets of trees and shrubs primarily 13 to 23 feet in height, among dense and homogenous foliage. Habitat occurs at elevations below 8,500 feet (USFWS 2002).

4.1.2.3 Designated Critical Habitat

There is no designated critical habitat for the southwestern willow flycatcher in the action area. Current critical habitat for this species is located along the Los Piños River approximately 15 miles northeast of the airport.

4.1.2.4 Distribution and Status

The known geographical area historically occupied by both migrating and breeding southwestern willow flycatchers includes southern California, southern Nevada, southern Utah, southern Colorado, Arizona, New Mexico, western Texas, and extreme northwestern Mexico. The subspecies current breeding range is similar to the historical range, but the quantity of suitable habitat has declined (USFWS 2002, 2014c).

Throughout the range of the southwestern willow flycatcher since 2002, the overall abundance of territories has increased, but not every Recovery Unit or Management Unit has increased. In particular, there have been increases in the Gila and Rio Grande Recovery Units, but little change or a decline in numbers within the Lower Colorado, Basin and Range, Upper Colorado River, and Coastal California Recovery Units. The number of surveys conducted annually has decreased since 2002, making tracking the distribution and abundance of the subspecies more difficult (USFWS 2014c).

The action area is located within the Upper Colorado River Unit, which is the smallest of all the Recovery Units and contains few known breeding sites. Two management units, the Powell and San Juan, occur in the Recovery Unit. There has been little change within the Recovery Unit since 2002. The most recent data indicate there are 10 southwestern willow flycatcher territories in the San Juan Unit, an increase since 2002 (USFWS 2014c).

Surveys have been conducted over multiple years along all the major river systems in La Plata County including the La Plata, Animas, Florida, Los Piños, Piedra, and San Juan Rivers. Flycatchers have been documented annually during migration within each of these drainages. Flycatchers have been documented breeding only along the Los Piños River near Ignacio. Between 2003 and 2009, several breeding territories were reported on the Los Piños River. However, no breeding has been documented in the county since 2009.

Within the action area, potential habitat occurs for the southwestern willow flycatcher in small patches along the Florida River, along irrigation ditches near CR 309, and by the entrance to the airport. Habitat is patchy in each of these areas, but meets the USFWS criteria to be considered habitat—the willows are at least 5 feet tall, dense, at least 0.25 acre, and at least 30 feet across in some portions of the habitat patch. Because the patches are small, narrow, and disconnected from other willow habitat, the habitat may be used during migration, but less likely for breeding. USFWS protocol presence/absence were completed in 2016 and 2017 by permitted biologists from Ecosphere. In 2016, all three habitat patches were surveyed. Two willow flycatchers were detected at the Florida River site during the first survey period (May) approximately 0.5 mile from the airport. Because no other detections occurred at this site during the other protocol surveys, the individual detected on May 30th was considered a migrant. No

willow flycatchers were detected at either of the other sites surveys in 2016. In 2017 no willow flycatchers were detected at any of the three sites.

4.2 Effects to Listed Species and Critical Habitat

4.2.1 New Mexico Meadow Jumping Mouse

There are no construction activities proposed in New Mexico meadow jumping mouse occupied habitats in the action area. Occupied habitats in the action area include along the Florida River and along the irrigation ditch and association wetlands near Spring Creek. A new airport access road had originally been proposed to cross through the Spring Creek canal and wetland habitats; however, following the detection of the jumping mouse in this habitat, the Federal Aviation Administration and the project proponent eliminated the new airport access road from the proposed action. As such, there would be no direct impacts to suitable or occupied jumping mouse habitats in the action area. Construction that occurs between May and October near occupied habitat could have potential effects such as short-term avoidance of an area due to noise or human activity. This potential impact however is expected to be minimal as current human activity, traffic, low-flying aircraft, and industrial and agricultural activities in the immediate area have been persistent for years. Expansion of the airport facilities within the current property boundaries are not expected to indirectly affect the New Mexico jumping meadow mouse due to the distance between proposed facilities expansion areas and occupied habitats. The Florida River habitat is within 1,640 feet of the existing terminal, but well below the mesa top where the proposed facilities expansion would be concentrated. The Spring Creek habitat area is nearly 3,280 feet from the airport property and immediately adjacent to State Highway 172.

With the removal of the previously proposed new access road from the planned airport expansion, implementation of the proposed action **may affect, is not likely to adversely affect** New Mexico meadow jumping mouse.

4.2.2 Southwestern Willow Flycatcher

The small sections of suitable southwestern willow flycatcher habitat identified in the action area are not expected to be directly impacted by any facilities expansion activities. There would be no construction activities in any of these small habitat patches. Consequently, no habitat would be lost as a result of developing the proposed action.

Construction activities occurring between May and September could have potential effects to migrating or nesting southwestern willow flycatchers if present. These short-term effects could include avoidance of an area due to noise or human activity, or in the case of nesting flycatchers, nest abandonment. This potential impact is more likely to effect migratory willow flycatchers, as the small habitat patches are currently only marginally suitable for nesting.

There is the potential that sedimentation or accidental spills or leaks of hazardous materials from the airport property could indirectly affect the quality of potential habitat and the prey base for

southwestern willow flycatchers. Coupled with the other indirect impacts described in this section, the proposed action **may affect, is not likely to adversely affect** southwestern willow flycatcher.

4.2.3 Cumulative Impacts

The environmental baseline includes the past and present impacts of all state and private actions in the action area, and the anticipated impacts of all proposed federal projects in the action area that have already undergone formal or early section 7 consultation. This section addresses those species that may be adversely affected by the proposed action: New Mexico jumping meadow mouse and southwestern willow flycatcher.

Past, ongoing, and foreseeable activities that have or would in the future affect these species within the cumulative impacts analysis area include:

- Residential, commercial and industrial, and municipal development
- Road and utility construction
- Oil and gas extraction
- Coal, and sand and gravel mining
- Agriculture including irrigation
- Livestock grazing
- Prescribed burning or other vegetation treatments
- Wildfire
- Water impoundments and stream barriers

The amount of development from future private and state actions cannot be quantified for this assessment. but it would be subject to Colorado State or La Plata County land use planning regulations. Development on nearby Southern Ute Indian Tribe land would be subject to regulatory oversight, including the National Environmental Policy Act, which would avoid or minimize potential cumulative impacts to these species.

Changes to surface water quality from development within the floodplain; livestock grazing; and contamination from sewage treatment plants, septic systems, and runoff from developed or cultivated land could affect both species if these foreseeable potential impacts transpire. In the future, population increases and associated increases in water use could also impact habitats for both species. Less surface water availability would have an adverse impact on habitats for both species as riparian habitats become desiccated and thus shrink the amount of available habitat.

Climatic variation associated with climate change may lead to reductions in quality of habitat for Colorado pikeminnow and razorback sucker. The potential impacts from climate change that could affect these species in the action area include changes in snowpack, streamflow timing, and hydrograph evolution. Changes in the timing and magnitude of runoff including earlier runoff, warmer stream temperatures, and the spread of in-stream nonnative species and diseases. Changes in streamflow intensity and timing may also affect riparian ecosystems.

5. Conclusions

Because of short-term increases in human activity and construction noise, the proposed action **may affect and is not likely to adversely affect** the New Mexico meadow jumping mouse and southwestern willow flycatcher. There would be **no effect** to any other listed species due to the absence of habitat in the action area.

The effects determinations and analysis in this Biological Assessment were made by Mike Fitzgerald of Ecosphere Environmental Services, Inc., 776 East 2nd Avenue, Durango, Colorado; 970-382-7256.

Mike Fitzgerald

fitz@ecosphere-services.com

6. Consultation and Coordination

Ecosphere informally consulted with Terry Ireland, USFWS Region 6 during the preparation of this BA.

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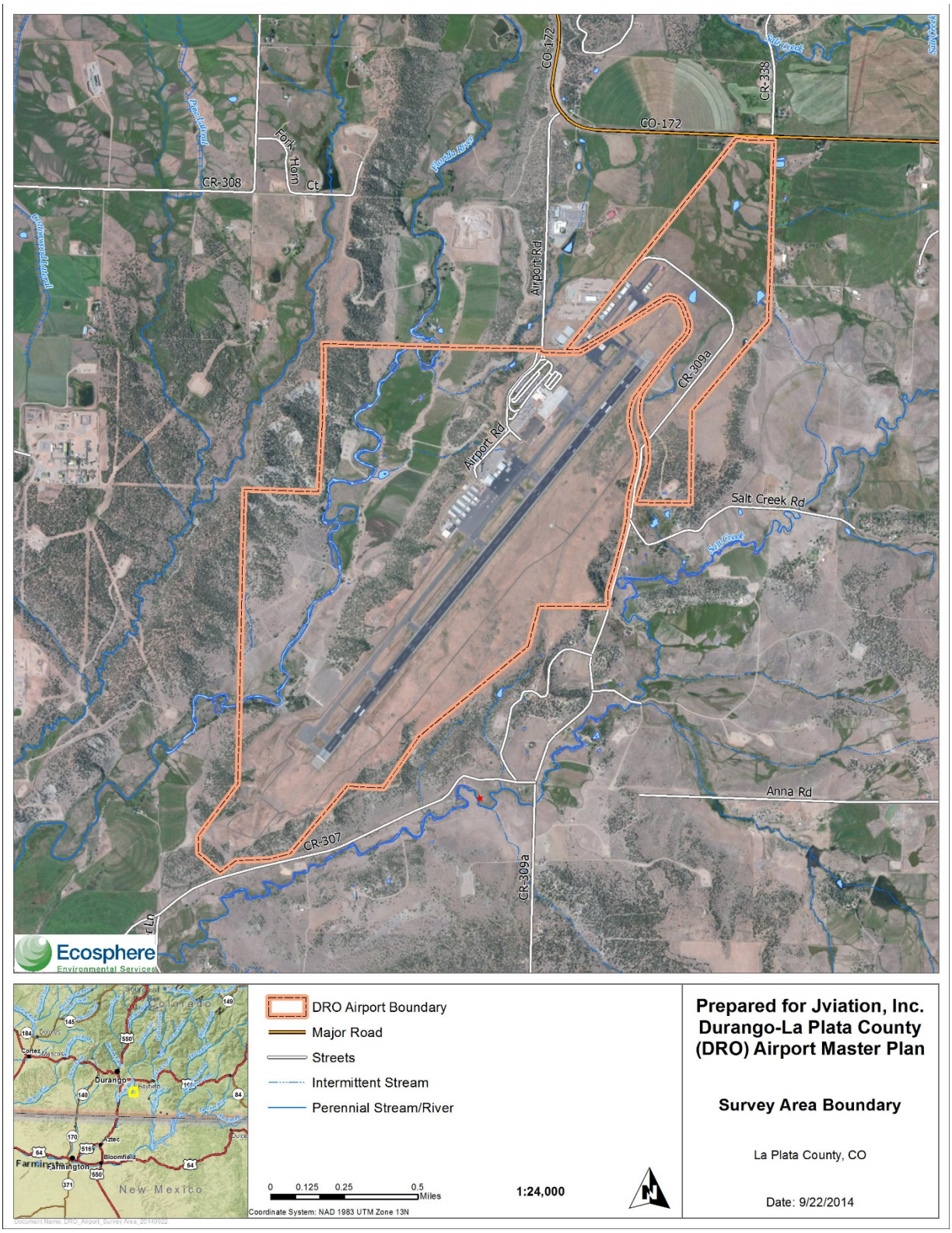
Appendix A – Project Area Map



Map A-1 – Durango-La Plata County Airport survey area boundary

Appendix B – US Fish and Wildlife Service Information for Planning and Consultation Letter

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Western Colorado Ecological Services Field Office
445 West Gunnison Avenue, Suite 240
Grand Junction, CO 81501-5711
Phone: (970) 243-2778 Fax: (970) 245-6933
http://www.fws.gov/mountain-prairie/es/Colorado/
http://www.fws.gov/platteriver/

In Reply Refer To: November 09, 2017
Consultation Code: 06E24100-2018-SLI-0055
Event Code: 06E24100-2018-E-00096
Project Name: Durango - La Plata County Airport Expansion

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having

similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Migratory Birds
- Wetlands

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Western Colorado Ecological Services Field Office
445 West Gunnison Avenue, Suite 240
Grand Junction, CO 81501-5711
(970) 243-2778

Project Summary

Consultation Code: 06E24100-2018-SLI-0055

Event Code: 06E24100-2018-E-00096

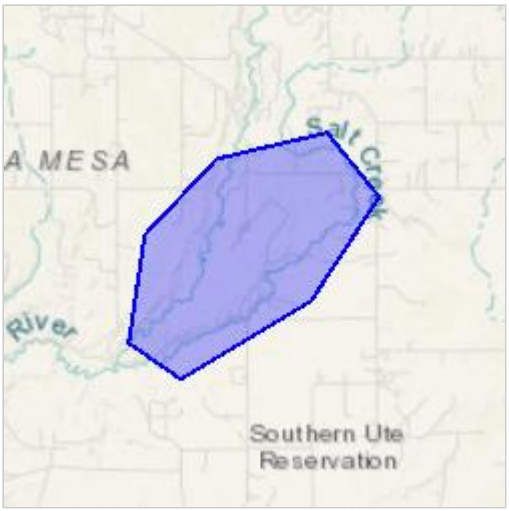
Project Name: Durango - La Plata County Airport Expansion

Project Type: TRANSPORTATION

Project Description: Airport facilities expansion within existing property

Project Location:

Approximate location of the project can be viewed in Google Maps:
https://www.google.com/maps/place/37.15425765754077N107.75176232042458W



Counties: La Plata, CO

Endangered Species Act Species

There is a total of 8 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

Mammals

NAME	STATUS
New Mexico Meadow Jumping Mouse *Zapus hudsonius luteus* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7965	Endangered
North American Wolverine *Gulo gulo luscus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5123	Proposed Threatened

Birds

NAME	STATUS
Mexican Spotted Owl *Strix occidentalis lucida* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8196	Threatened
Southwestern Willow Flycatcher *Empidonax traillii extimus* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6749	Endangered
Yellow-billed Cuckoo *Coccyzus americanus* Population: Western U.S. DPS There is **proposed** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

Fishes

NAME	STATUS
Colorado Pikeminnow (=squawfish) *Ptychocheilus lucius* Population: Wherever found, except where listed as an experimental population There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3531	Endangered
Razorback Sucker *Xyrauchen texanus* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/530	Endangered

Flowering Plants

NAME	STATUS
Knowlton's Cactus *Pediocactus knowltonii* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1590	Endangered

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service[3]. There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured. Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures, as described below.

---

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are USFWS Birds of Conservation Concern that might be affected by activities in this location. The list does not contain every bird you may find in this location, nor is it guaranteed that all of the birds on the list will be found on or near this location. To get a better idea of the specific locations where certain species have been reported and their level of occurrence, please refer to resources such as the E-bird data mapping tool (year-round bird sightings by birders and the general public) and Breeding Bird Survey (relative abundance maps for breeding birds). Although it is important to try to avoid and minimize impacts to all birds, special attention should be given to the birds on the list below. To get a list of all birds potentially present in your project area, visit the E-bird Explore Data Tool.

NAME	BREEDING SEASON
Brown-capped Rosy-finch *Leucosticte australis* **Bird of Conservation Concern (BCC)**	Breeds Jun 15 to Sep 15
Black Rosy-finch *Leucosticte atrata* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/9460	Breeds Jun 15 to Aug 31
Black Swift *Cypseloides niger* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/8878	Breeds Jun 15 to Sep 10
Brewer's Sparrow *Spizella breweri* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/9291	Breeds May 15 to Aug 10
Clark's Grebe *Aechmophorus clarkii* **Bird of Conservation Concern (BCC)**	Breeds Jan 1 to Dec 31

Golden Eagle *Aquila chrysaetos* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/1680	Breeds Apr 1 to Aug 31
Gray Vireo *Vireo vicinior* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/8680	Breeds May 10 to Aug 20
Grace's Warbler *Dendroica graciae* **Bird of Conservation Concern (BCC)**	Breeds May 20 to Jul 20
Long-billed Curlew *Numenius americanus* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/5511	Breeds Apr 1 to Jul 31
Lewis's Woodpecker *Melanerpes lewis* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/9408	Breeds Apr 20 to Sep 30
Lesser Yellowlegs *Tringa flavipes* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Marbled Godwit *Limosa fedoa* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/9481	Breeds elsewhere
Olive-sided Flycatcher *Contopus cooperi* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/3914	Breeds May 20 to Aug 31
Pinyon Jay *Gymnorhinus cyanocephalus* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/9420	Breeds Feb 15 to Jul 15
Rufous Hummingbird *selasphorus rufus* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/8002	Breeds elsewhere
Virginia's Warbler *Vermivora virginiae* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/9441	Breeds May 1 to Jul 31
Willow Flycatcher *Empidonax traillii* **Bird of Conservation Concern (BCC)** https://ecos.fws.gov/ecp/species/3482	Breeds May 20 to Aug 31
Willet *Tringa semipalmata* **Bird of Conservation Concern (BCC)**	Breeds elsewhere

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeas

Wetlands

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

FRESHWATER EMERGENT WETLAND

- PEMC
- PEMF
- PEMA
- PEMCh
- PEMCx
- PEMB
- PEMFh

FRESHWATER FORESTED/SHRUB WETLAND

- PSSA

FRESHWATER POND

- PABFh
- PUBFx
- PABF
- PUSCh

RIVERINE

- R3UBH
- R3UBF
- R4SBA
- R4SBC
- R4SBCx

APPENDIX E

Cultural Resource Inventory for Phase I of the Durango-La Plata County Airport (DRO) Master Plan in La Plata County, Colorado

Written by

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Prepared for

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SEAS Report No. 14-086
December 2014

Abstract

From September 16 to October 16, 2014, Stratified Environmental & Archaeological Services, LLC (SEAS) conducted a cultural resource inventory as part of the Durango-La Plata County Airport (DRO) Master Plan. The DRO is situated on private lands in south-central La Plata County, approximately 10.5 miles southeast of Durango, Colorado. Economic development and population growth in La Plata County and the surrounding Four Corners region has been substantial over the past 20 years and necessitates upgrading the existing airport facilities to accommodate future regional growth. As part of the Master Plan, this study was enacted to identify cultural resource constraints within the existing boundaries of the DRO to understand how future development may or may not impact cultural resources. The airport is located in portions of Sections 1 and 6, Township 33 North, Range 8 West, NMPM and Sections 20, 29, 30, 31, and 32, Township 34 North, Range 8 West, NMPM. SEAS archaeologists conducted the cultural resource inventory at the request of Colleen Cummins, Senior Aviation Planner for Jviation, Inc. on behalf of the DRO and Federal Aviation Administration (FAA). The purpose of the study is to document cultural resources over 50 years old and to evaluate these resources against criteria for inclusion on the National Register of Historic Places (NRHP). The project area and the total area surveyed are 965.63 acres (390.94 hectares), although nearly half of the acreage is existing built environment.

The cultural resource inventory for the DRO Master Plan encountered and documented 14 newly recorded archaeological sites (5LP 10796 to 5LP 10809) and 28 isolated finds (5LP 10810 to 5LP 10837). Given that the airport and associated facilities were constructed in 1973 and no other standing historic structures occur within the surveyed area, historic building documentation was not a requirement of this study. None of the isolated finds are considered eligible to the NRHP given their small size, lack of cultural context, and lack of archaeological depth or further information potential. Detailed field recording of the isolates in the field has adequately characterized their limited information potential in archival form and no further cultural resource work is recommended. Sites 5LP 10796, 5LP 10797, and 5LP 10801 are recommended not eligible to the NRHP as they do not meet any criteria. In the cases of 5LP 10796 and 5LP 10797, both of these small lithic artifact scatteres occur in areas of previous plowing and grading associated with the construction and maintenance of the airport and both lack archaeological integrity or further data potential. Site 5LP 10801 is a relatively recent, multi-episode trash dump dating to the 1960s to 1970s era and, as such, does not warrant further consideration.

Sites 5LP 10799, 5LP 10800, 5LP 10802, 5LP 10803, 5LP 10805, 5LP 10807, and 5LP 10809 are all considered here to be potentially eligible (need data) to the NRHP under Criterion D as a surface inspection alone was inadequate for determining the archaeological potential of these aboriginal artifact scatters. Sites 5LP 10798, 5LP 10804, 5LP 10806, and 5LP 10808 are recommended NRHP-eligible under Criterion D as the presence of thermal features in association with diverse artifact assembalges suggest these resources contain information important for understanding the prehistory and early history of the region. This study was commissioned to locate and determine the nature of the archaeological resources within the potential expansion zone of the existing Durango-La Plata County Airport. Once a preferred alternative has been identified for the proposed expansion, any of the archaeological sites recommended NRHP-eligible or potentially eligible (need data) that may be impacted by implementation of the alternative will require further consultation between FAA and SHPO representatives to mitigate any potential adverse effects.

APPENDIX F

DURANGO-LA PLATA COUNTY AIRPORT

Phase I
Environmental Site Assessment

Prepared for:

Jviation, Inc.
900 South Broadway, Suite 350
Denver, CO 30326

October 16, 2014

Ecosphere
Environmental Services

Durango, CO
Cortez, CO
Pagosa Springs, CO
Santa Fe, NM
Farmington, NM

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ACRONYMS AND ABBREVIATIONS

Airport	Durango-La Plata County Airport
AMPT	Advanced Mobile Propulsion Tests
ARFF	Aircraft Rescue and Fire Fighting
ASTM	American Society for Testing Materials
AST	Aboveground Storage Tank
BMP	Best Management Plan
BP	British Petroleum
CDPHE	Colorado Department of Health and Environment
Ecosphere	Ecosphere Environmental Services
ESA	Phase 1 Environmental Site Assessment
EPA	Environmental Protection Agency
FBO	Fixed-Based Operations
NPDES	National Pollutant Discharge Elimination System
REC	Recognized Environmental Condition
USFS	United States Forest Service
USGS	United States Geological Survey
UST	Underground storage tanks

1. SUMMARY

Ecosphere Environmental Services (Ecosphere) was contracted by Jviation, Inc. to conduct a Phase I Environmental Site Assessment (ESA) to assess potential environmental liabilities for the Durango-La Plata County Airport (the airport) (Appendix A, Figures 1 and 2). The ESA was completed in accordance with American Society for Testing Materials (ASTM) Designation: E1527-13 Standard Practice for Environmental Site Assessments (ASTM 2013).

2. INTRODUCTION

2.1 Purpose

The purpose of the ESA was to evaluate the property and surrounding areas for the presence of recognized environmental conditions (RECs) and/or *de minimis* conditions related to hazardous substances or petroleum products associated with current or historical operations at or near the subject property. *De minimis* conditions are defined by ASTM as environmental conditions that "generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." A *de minimis* condition is not considered a recognized environmental condition. An example of a *de minimis* condition might be a small, superficial spill of oil that is not anticipated to cause a significant concern.

2.2 Detailed Scope of Services

The scope of work for the ESA included the following:

- Available records review
- Site reconnaissance
- Interviews with persons knowledgeable of the site
- Reporting, researching, and evaluating information

This assessment did not include any testing or sampling of soils, water, potential asbestos-containing material, lead-based paint, urea-formaldehyde, or radon gas. Such sampling activities are not generally included in the scope of a Phase I ESA. If warranted, a Phase II ESA will be recommended to address these issues.

2.3 Limitations and Exceptions

Environmental professionals from Ecosphere performed this ESA using commercial and customary practices in accordance with the ASTM Standard for Environmental Site Assessments (ASTM 2013). Nonetheless, several major qualifications are inherent in the conduct of this or any other environmental due diligence examination:

- It is difficult to predict if any unidentified issues will become actual problems in the future because federal and state regulations continually change, as do the enforcement priorities of the applicable governmental agencies involved.
- The distinct possibility always exists that sources of future environmental liability have yet to manifest themselves to the point where they are reasonably identifiable through an external investigation.
- Ecosphere notes that the results of its investigation represent the application of a variety of engineering and technical disciplines to material facts and conditions associated with the subject property. Many of these facts and conditions are subject to change over time; accordingly, the conclusions and recommendations must be viewed within this context.
- The environmental professionals at Ecosphere shall not be held responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the evaluation was performed.
- Several areas of the airport, including private hangers and the Advanced Mobile Propulsion Tests (AMPT) building, were not available for inspection during the site inspection. Please see Section 10 for additional detail.

2.4 User Reliance

Environmental professionals at Ecosphere prepared this report solely for the benefit of its client. This report may be disclosed to third parties who may use and rely upon the report at their discretion. However, any use of or reliance upon this report by any party other than the clients shall be solely at the risk of such party and without legal recourse against Ecosphere or its respective employees.

3. Site Description

3.1 Location and Legal Description

The airport is situated in the foothills of the San Juan Mountains in southwestern Colorado, approximately 8 miles southeast of the City of Durango. The airport is located in La Plata County in portions of Sections 29, 30, 31 and 32 of Township 34 North and Range 8 West, New Mexico Principal Meridian on the Loma Linda, Colorado 7.5-minute United States Geological Survey (USGS) quadrangle (Appendix A, Figure 2). The portion of the airport that was included in this Phase I ESA consists of four parcels with La Plata County Assessor numbers 5903-313-00-862, 5903-293-00-864, 5903-311-00-865, and 5903-302-00-866 (Appendix A, Figure 2). The four parcels occupy approximately 486 acres.

3.2 Site and Vicinity General Characteristics

The airport is located on a plateau above the Animas River valley at an approximate elevation of 6,685 feet above mean sea level. The Animas River is located approximately 6.5 miles west of the airport. The south-flowing Florida River, a tributary of the Animas River, is located less than half a mile west of the

airport runway and is the predominant water feature within the airport vicinity. Salt Creek, a minor, intermittent tributary of the Florida River, is located approximately a half mile east of the airport. Existing land use within the airport vicinity is predominantly agricultural/open space with some scattered rural residences, along with some industrial development.

3.3 Current Use of the Property

The property is a commercial airport owned and operated by the City of Durango and La Plata County.

3.4 Descriptions of Structures, Roads, Other Improvements on the Site

The airport facilities include one runway and one parallel taxiway with connecting taxiways that provide aircraft access to the passenger terminal and facilities on the airport. The runway is 9,201 feet long and 150 feet wide and is constructed of asphalt (Appendix A).

The existing 37,000 square foot terminal was built in 1988 and consists of four boarding gates that serve four commercial airlines, four airline counters, five rental car stands, a gift shop, and a café. An asphalt parking lot is located to the west of the terminal building. South of the terminal is the rental car staging area and rental car wash bays.

The airport is currently served with one full-service Fixed Based Operator (FBO). The FBO is located on the west side of the runway, adjacent to a general aviation apron. A series of general aviation aircraft storage hangars are located directly south of the FBO. South of the series of general aviation aircraft storage hangars is a large maintenance building, which also contains the aircraft rescue and firefighting (ARFF) facility. The U.S. Forest Service (USFS) leases an area north of the passenger terminal to maintain an air tanker reloading base capable of handling two retardant aircraft. A second general aviation area consisting of hangars is located north of the terminal and USFS areas.

Advanced Mobile Propulsion Tests (AMPT) leases an area near the east side of the northeast end of the runway. The AMPT facility performs static testing of in-space (handheld) propulsion thrusters. They don't perform manufacturing.

3.5 Current Uses of the Adjoining Properties

Existing land use within the airport vicinity is predominantly agricultural/open space with some scattered rural residences, along with some industrial development. The Crossfire industrial/office complex is located directly north and adjacent to the airport property along the airport access road. A large British Petroleum (BP) office equipment storage area is located to the north of the Crossfire complex. There are industrial plants—natural gas compression stations—located west and northwest of the airport. The property located adjacent to the airport in all other directions is devoted primarily to agricultural uses. As shown in Figure 2 (Appendix A), a series of oil and gas wells are located within a one-mile radius of the airport.

4. User Provided Information

Dennis Ray, Airport Fire Chief/Public Safety Manager, provided a copy of the airport's current Multi-Sector National Discharge Pollution Elimination System (NPDES) permit (US Environmental Protection Agency [USEPA] 2010), as well as several emails describing stormwater management and solid/hazardous waste management practices at the airport.

4.1 Title Records

Property deeds were obtained from the La Plata County Clerk and Recorder's Office (La Plata County Assess 2014). Ownership records for the property are summarized in Table 1.

Table 1. Airport Ownership

Assessor ID	Owner	Size of Parcel (acres)	Location of Parcel
5903-313-00-862	La Plata County and City of Durango	138	South end of runway
5903-293-00-864	La Plata County and City of Durango	128	North of runway
5903-311-00-865	La Plata County and City of Durango	97	South central area of runway
5903-304-00-866	Dove Island Associates c/o Robert Converse Revocable Trust and George Banker	123	North central area of runway

No environmental liens or activity and use limitations were on record at the La Plata County Clerk and Recorder's Office.

4.2 Valuation Reduction for Environmental Issues

No valuation reduction for environmental issues was identified for the airport.

4.3 Reason for Performing Phase I

The purpose of the Phase I ESA is to evaluate the airport for the presence of hazardous substances and petroleum hydrocarbons and to qualify for Landowner Liability Protections under the Brownfields Amendments to the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended, 42 U.S.C. §9601, 40 CFR Part 307).

4.3.1 Records Review

The following section describes data sources used to assess the property for environmental concerns associated with current or historic site operations. An environmental professional from Ecosphere conducted research on readily available records, performed interviews with government agencies and

individuals familiar with the property, reviewed state and federal databases for known sites with recognized environmental conditions, and reviewed available historic information to identify prior use of the subject property.

4.4 Standard Environmental Record Sources

EnviroCheck Solutions, Inc. conducted a search of federal and local government environmental records in accordance with the ASTM-required search distances for ESAs on August 11, 2014. The databases are intended to describe subject properties and/or other identified sites within the specified search distances when they are included in any governmental databases or environmental incident lists. A copy of the database search results, including the search radius for each database, is provided in Appendix B. Each database search was completed to the ASTM specified search radius (EnviroCheck 2014). Environmental databases that were searched include the following:

NPL	National Priority List and Proposed National Priority List; Environmental Protection Agency (EPA)
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System (EPA)
CERCLIS-NFRAP	No Further Action list (EPA)
CORRACTS	Resource Conservation and Recovery Information System Corrective Action Sites (EPA)
RCRA-TSDF	Resource Conservation and Recovery Information System Treatment, Storage and Disposal Facilities (EPA)
ERNS	Emergency Response Notification System (EPA)
SWLF	Solid Waste Landfills (Colorado Department of Health and Environment [CDPHE])
LUST	Leaking Underground Storage Tank Sites (CDPHE)
UST	Underground Storage Tanks (Colorado Division of Oil and Public Safety [CDOPS])
AST	Aboveground Storage Tanks (CDOPS)
DEFENSE	Formerly Used Defense Sites and Department of Defense Sites (U.S. Army Corps of Engineers)
BROWN	Brownfields Cleanup and Reuse Sites (CDPHE)
DEED	Deed Restrictions/Environmental Covenants (CDPHE)
CONTROLS	Institutional and Engineering Controls (EPA)
EMMISSIONS	Air Emission Sites (CDPHE)
HAZNET	Hazardous Waste Information System
ERNS	Emergency Response Notification System (EPA)
GENERATOR	Small and Large Quantity Generators (EPA)
HAZMAT	Hazardous Materials Storage and Incident Records (US Drug Enforcement Agency; EPA)

4.5 Federal Regulatory Records

The airport was listed on the Generator and ERNS federal databases. The Durango La Plata County Airport is classified as a Conditionally Exempt Small Quantity Generator of Hazardous Waste. Under this classification, the airport is prohibited from generating more than 220 pounds or 25 gallons of hazardous waste in any calendar month.

From 1996 to 2010, the airport reported four minor releases of hydrocarbons via the ERNS system. All four cases have been closed.

The BP tank farm located north of the airport reported four minor spills from 1991 to 1996. All cases are closed.

There was no information indicating a REC associated with the property from off-site facilities based on information contained in the Envirocheck database report, distance from the property, presumed groundwater flow direction, and/or regulatory agency status (Envirocheck 2014).

4.5.1 State Regulatory Records

The airport was listed in the LUST (Leaking Underground Storage Tank), and UST (Underground Storage Tank) state regulatory databases. Two LUST cases dating from 1993 and 1998 are both closed. The UST was closed in 1998.

The BP tank farm located to the north of the airport is listed in the AST state regulatory database as having five hydrocarbon ASTs.

4.6 Additional Environmental Record Sources

The U.S. Drug Enforcement Administration National Clandestine Laboratory Register was reviewed for a list of clandestine labs in the State of Colorado. The database contains a list of locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of clandestine drug laboratories or dumpsites. There were no listed sites in La Plata County, Colorado.

4.7 Historical Use Information on the Property

The site was undeveloped prior to the initial airport construction in 1950. On June 14, 1953 the La Plata Field was officially dedicated (Kellie G. Cheever, Museum Assistant, La Plata County Historical Society, personal communication, September 8, 2014).

4.8 Historical Use Information on Adjoining Properties

The properties and vicinity can be described as predominantly agricultural/open space with some scattered rural residences, along with some industrial development. There are industrial plants –natural gas compression stations – located west and northwest of the airport. The property located adjacent to the airport in all other directions is devoted primarily to agricultural uses.

Adjoining properties observed during the site reconnaissance are described below:

- **North**: The Crossfire industrial/office complex, BP office building and warehouse, agricultural, and open space.
- **East**: Agricultural and open space, and residential properties along the east side of Hwy 309A.
- **South**: Agricultural and open space.
- **West**: Florida River, agricultural, open space and scattered rural residences.

The inspection of adjoining properties from curbside and a review of federal, state, and local regulatory agency databases/records did not reveal the presence of off-site sources considered to be RECs associated with the subject property.

5. SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

An environmental professional from Ecosphere conducted a site reconnaissance of the property on August 28, 2014. Site reconnaissance included an inspection of the subject property and observation of adjacent parcels. The weather conditions were sunny and mild (approximately 75 degrees Fahrenheit) at the time site reconnaissance.

The site reconnaissance methodology included inspection of most areas within the developed portion of the airport as well as the perimeter of the developed area of the airport. Adjacent properties were observed from the airport perimeter.

Specific issues related to the site reconnaissance are discussed below. Site information presented in this section is based upon the site inspection, USGS topographic maps, and the database search report prepared by EnviroCheck Solutions, Inc. (Appendix B).

5.2 Buildings and Structures

The airport facilities include one runway, along with a parallel taxiway and connecting taxiways that serve the runway and provide aircraft access to the passenger terminal and facilities on the airport (Figure 2, Appendix A).

The passenger terminal occupies 37,000 square feet and consists of four boarding gates serving four commercial airlines, five rental car stands, a gift shop, and a café. An asphalt parking lot is located on the west side of the terminal building.

One FBO is located on the west side of the runway, adjacent to the general aviation apron. A series of general aviation aircraft storage hangars are located directly south of the FBO, T-hangars and executive/corporate hangars. South of the series of general aviation aircraft storage hangars is a large maintenance building.

The ARFF facility is located on the west side of the runway, on the south end of the main apron. Other large buildings at the airport include the USFS hangar and the AMPT facility.

5.3 On-site Chemical Storage

The airport chemical storage includes Jet A fuel, Avgas, gasoline, diesel, anti-freeze, de-icer, and transmission fluid. The USFS facility stores fire retardant chemicals. AMPT stores propellants provided by their customers for thruster testing. The propellants are hazardous, and they typically have anywhere from five to 30 gallons at the site during a test program. Very small quantities of hazardous waste are generated from cleaning operations, such as residuals on swabs and wipes. These are stored in a hazardous waste container and removed at a regular interval by Safety-Kleen (Doudi Barnes, AMPT Chief Engineer, personal communication September 8, 2014).

5.4 Storage Tanks

The airport has an above ground storage tank (AST) tank farm (Photos 1 and 2 Appendix C) near the main hangar that consists of:

- Three 12,000-gallon Jet A fuel tanks with concrete containment
- One 12,000-gallon 100LL AVGAS fuel with concrete containment
- Three de-icing Type I tanks on asphalt with a dirt berm
- Four over-pack salvage drums
- Nineteen de-icing carboys on asphalt with dirt berm
- One 12,000-gallon unleaded fuel tank on asphalt with dirt berm

A spill containment kit is staged at the tank farm and is inspected and inventoried every quarter and resupplied as needed (Anthony Vicari, Airport Operations Specialist, personal communication, September 3, 2014).

The airport maintenance shop uses a 300-gallon used oil tank, which has secondary containment.

There are four 10,000-gallon ASTs adjacent to the USFS hangar for storage of fire retardant. In addition to the ASTs, the USFS will arrange to have a 2,000-gallon jet fuel tanker truck onsite when they are refueling aircraft. There are also three to four jerry cans of gasoline and diesel fuel stored at the facility (Craig French, Airport USFS Manager personal communication, September 3, 2014).

There are several tanks located at the AMPT facility; however, attempts to interview AMPT personnel to obtain information on the tank contents were not successful.

5.5 Electrical Transformers and Potential PCB Sources

Each set of hangars has “green box” type transformer boxes owned by the La Plata Electric Association that are labeled “No PCBs” (Photo 3, Appendix C). There were no surface indications of leaks from the transformers.

5.6 Waste Disposal

Solid waste generated from the airport facilities is collected in storage containers provided by Waste Management, Inc. The containers are emptied on a regular schedule, and all contents are disposed of at the Crouch Mesa Landfill in Farmington, NM.

All sand/oil separators at the rental car - car wash area are inspected quarterly. During these quarterly inspection, measurements are taken to determine the depth of the sand and oil layers. These separators are cleaned as needed by a third party contractor and the material is disposed of at the City of Durango Wastewater Treatment facility (Anthony Vicari, Airport Operations Specialist, personal communication, September 3, 2014).

South of the maintenance building is an airport "boneyard" used to store tires, metal pipes, empty plastic tanks and drums, fencing, metal roofing, electrical wire, a truck, snow plows and two propane tanks on trailers (Photos 4, 5, and 6, Appendix C). No stained soil was visible during the site inspection.

A small dump containing construction material consisting of metal, concrete, and chunks of asphalt was observed in an arroyo near the southeast end of the airport.

There is an asphalt stockpile area located near the southwest corner of the airport, and two fill areas located to the northeast and southwest end of the airport. The fill areas contain wood or concrete boxes with fence posts (Photo 7, Appendix C). No stained soil was visible in these areas during the site inspection.

5.7 Odors

No odors or pungent, noxious smells outside of incoming/outcoming aircraft exhaust were noticed at the time of the property reconnaissance.

5.8 Reported Spills/Leaks/Releases

No spills/leaks/releases from the airport were documented in the EnviroCheck Radius Search Report (Appendix B) since a minor spill in 2010. ARFF personnel respond to all fuel spills at the airport, and their incident reports document the type of fuel, location of spill, the approximate volume and or size of spill, and the measures taken to clean up the spill. In the last five years ARFF personnel have not been dispatched to respond to any fuel spills of reportable size (Dennis Ray, Airport Fire Chief, personal communication, September 5, 2014).

5.9 Onsite Wells

The airport has multiple monitoring wells located within the perimeter fence. These monitoring wells are located in the vicinity of AvFlight's fuel farm and also on the general aviation ramp. The wells located on the general aviation ramp are the oldest set and were routinely sampled by a third party contractor shortly after their installation. The monitoring well located near the fuel farm was installed in 2009 and was also routinely sampled by a third party contractor for a period of time. In the recent years there is no record

of any sampling and or maintenance performed on these wells in either location (Dennis Ray, Airport Fire Chief, personal communication, September 5, 2014).

A 3,320 foot deep BP America natural gas well is located near the airport perimeter. The well has been producing since 2000, and all inspections of the location have been satisfactory with no spills or releases are identified in the inspection record.

5.10 Stormwater Drainage

There are three structural outflow Best Management Practices (BMP's) and two drainage outflows for stormwater drainage at the airport. The first structural outflow drains the terminal building, USFS and the northern one-third of the general aviation area. It is located just west of the water treatment plant and drains into a retention pond that has three paths for outflow. Normal flows are through a twelve-inch concrete pipe through a drainage structure located at ground level. In the event of a major storm water event, the outflow is through the top of the concrete structure which is located approximately three feet above base level. If the storm water flows exceed the carrying capacity of this structure, the water can flow over a concrete encased rip-rap structure onto the drainage rundown structure directly. The rundown structure is concrete encased riprap with a plunge pool at the bottom of the valley to slow the velocity of the water and the potential for erosion. The bottom outflow is capable of being quickly shut down to allow for the impounding and collection of any spilled pollutants prior to their being able to escape to the Florida River.

The second structural outflow BMP is located immediately south of the fire station/operations building and handles drainage from the south aircraft hangar storage area and general aviation parking apron. It is a retention pond with a twelve-inch culvert pipe outflow that is capable of being plugged in the event of a spill of hazardous materials or pollutants.

The third structural outflow is located west of the south end of the runway and drains the area between the west side of the centerline of the runway and the taxiway surfaces. This is primarily an erosion control structure and consists of a concrete rundown structure that spills into a riprap lined retention pond. It is also capable of being blocked in the extremely unlikely event of a spill of hazardous pollutants.

The first drainage outflow drains the north hangar development area through an underground concrete pipe which outflows near the northeast corner of the runway and into an irrigation tributary of Salt Creek. It is capable of being temporarily plugged.

The second drainage outflow drains the east side of the runway and all lands east of the centerline of the runway. It is a sheet flow drainage and drains to the southeast towards Salt Creek (Photo 8, Appendix C). There are no industrial processes on this side of the runway and the only source of pollutants would be the unlikely event of an aircraft accident (Robert Craig, Airport Stormwater Manager, personal communication, September 4, 2014).

5.11 Hydrocarbon Stained Soils and Drips

No stained soils or drips were observed on the property at the time of the property reconnaissance.

6. INTERVIEWS

Ecosphere interviewed the following airport personnel concerning historic and current environmental conditions at the airport:

Dennis Ray, Airport Fire Chief/Public Safety Manager
Anthony Vicari, Airport Operations Specialist
Robert Craig, Airport Stormwater Manager
David Miller, Airport Water and Wastewater Manager
Craig French, Airport USFS Manager
Doudi Barnes, AMPT Chief Engineer
Kellie G. Cheever, Museum Assistant, La Plata County Historical Society

7. FINDINGS AND CONCLUSIONS

Based on a review of available information described in this report, the subject property has a low environmental risk from potential contamination associated with hazardous substances or petroleum hydrocarbons. The basis for the assigned low-risk level is summarized below:

- Environmental records in the general vicinity did not contain records of active industrial facilities, active remediation, or spills within the ASTM radius of the subject property.
- Current land uses in the general vicinity of the airport represent a low risk for potential contamination to the property.
- All fuel storage tanks at the airport are within appropriate secondary containment, and are regularly monitored for spills and leaks. The airport facility has emergency response staff and equipment to provide immediate and appropriate response to any spills or releases that may occur.

8. OPINION

Based on a review of available information described in this report, no information was identified that would constitute a REC associated with the property.

9. DEVIATIONS

The following deviations from the ASTM standard practice occurred during the site reconnaissance:

- The AMPT facility was not inspected due to lack of access, but an interview conducted with Doudi Barnes, AMPT Chief Engineer, stated that AMPT stores only five to 30 gallons of hazardous propellants during testing, and are removed at a regular interval by Safety-Kleen.
- The inside of USFS hangar was not inspected during the site reconnaissance because no one from the USFS was available. A subsequent phone interview the USGS Manager (Craig French) indicates that the USFS facility stores only fire retardant chemicals.
- In the last five years ARFF personnel have not been dispatched to respond to any fuel spills of reportable size at either facility.

Based on a review of available information described in this report, no additional activities are required.

10. REFERENCES

American Society for Testing and Materials (ASTM) 2013. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. E1527-13. The American Society for Testing and Materials. West Conshohocken, PA. USA.

EnviroCheck Solutions Radius Search Report, 1000 Airport Road, Durango, Colorado 81303. Project # 20359, Jviation, August 11, 2014.

La Plata County Assessor. 2014. EagleWeb Property Database. Available at: https://eagleweb.laplata.co.us/assessor/taxweb/search.jsp. Accessed September 2, 2014.

U.S. Environmental Protection Agency (USEPA). 2010. Extension of NPDES Permit Coverage for Industrial Stormwater Discharges (COR05A04I)

11. STATEMENT OF ENVIRONMENTAL PROFESSIONAL

The records search, site inspection, and interviews did not identify any recognized environmental conditions associated with the subject property.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. I have the specific qualifications, based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Completed by: Keith Fox, Environmental Professional, and Krista Dearing, Geologist.

Signature: Date: 9/17/2014

Signature: Date: 9/17/2014

12. QUALIFICATION OF ENVIRONMENTAL PROFESSIONAL

Qualifications are attached in Appendix D.

Appendix A: Site Maps

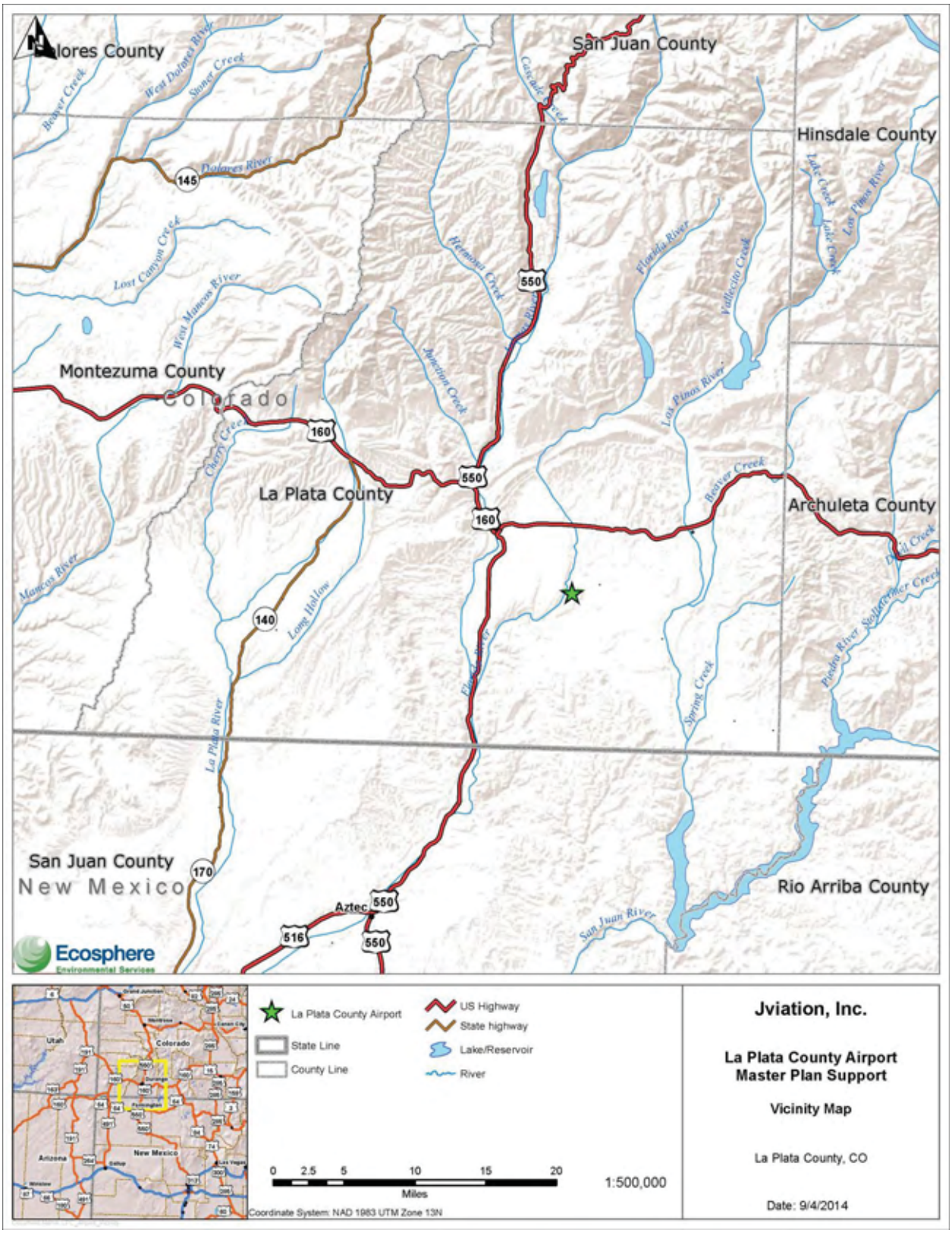

Figure 1. Project Vicinity Map

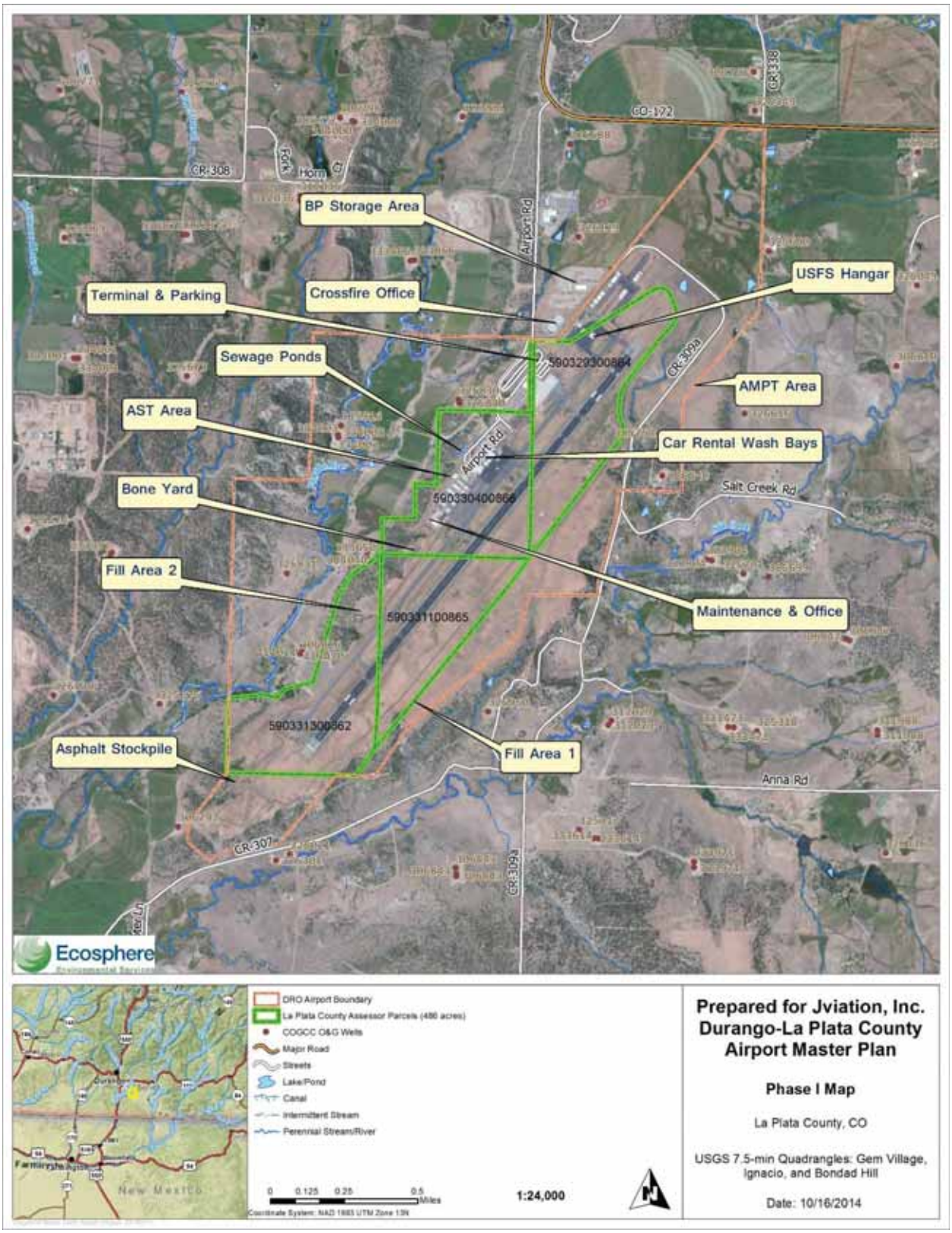

Figure 2. Phase I Detail Map

Appendix B: Regulatory Records Review Documentation

EnviroCheck SOLUTIONS

Radius Search Report

1000 Airport Road
Durango, CO 81303

Project #: 20359
Reference: Job Reference: Jviation
Date: Monday 11th of August, 2014

EnviroCheck Solutions, Inc.
9921 Carmel Mountain Road, Suite 381
San Diego, CA 92129
Phone: 866-517-5513
Fax: 858-259-0757
www.envirochecksolutions.com

Powered by the STARReport System

EnviroCheck Radius Search Report
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EnviroCheck Radius Search Report

Site Summary

		Subject Property	Up to 1/4 mile	1/4 mile to 1/2 mile	1/2 mile to 1 mile	Total
Databases Searched to One mile(s)						
NPL	National Priority List (Superfund) Sites	0	0	0	0	0
CORRACT	Corrective Action Sites	0	0	0	0	0
TSD	Treatment, Storage and Disposal Sites	0	0	0	0	0
DEFENSE	Unused and Formerly Used Defense Sites	0	0	0	0	0
BROWN	Brownfields Cleanup and Reuse Sites	0	0	0	0	0
DEED	Deed Restrictions/Environmental Covenants	0	0	0	0	0
Databases Searched to One-Half mile(s)						
CERCLIS	CERCLIS/Superfund Database	0	0	0	-	0
CONTROLS	Institutional and Engineering Controls	0	0	0	-	0
LUST	Leaking Underground Storage Tanks	1	1	0	-	2
SWLF	Solid Waste Landfills	0	0	0	-	0
EMISSIONS	Air Emissions Sites	0	0	0	-	0
HAZNET	Hazardous Waste Information System	0	0	0	-	0
Databases Searched to One-Quarter mile(s)						
ERNS	Emergency Response Notification System	4	4	-	-	8
GENERATOR	Small and Large Quantity Generators	2	0	-	-	2
UST	Underground Storage Tank Sites	1	0	-	-	1
AST	Aboveground Storage Tanks	0	1	-	-	1
HAZMAT	Hazardous Materials Storage and Incident Records	0	0	-	-	0
	Totals	8	6	0	0	14

1000 Airport Road, Durango, CO 81303

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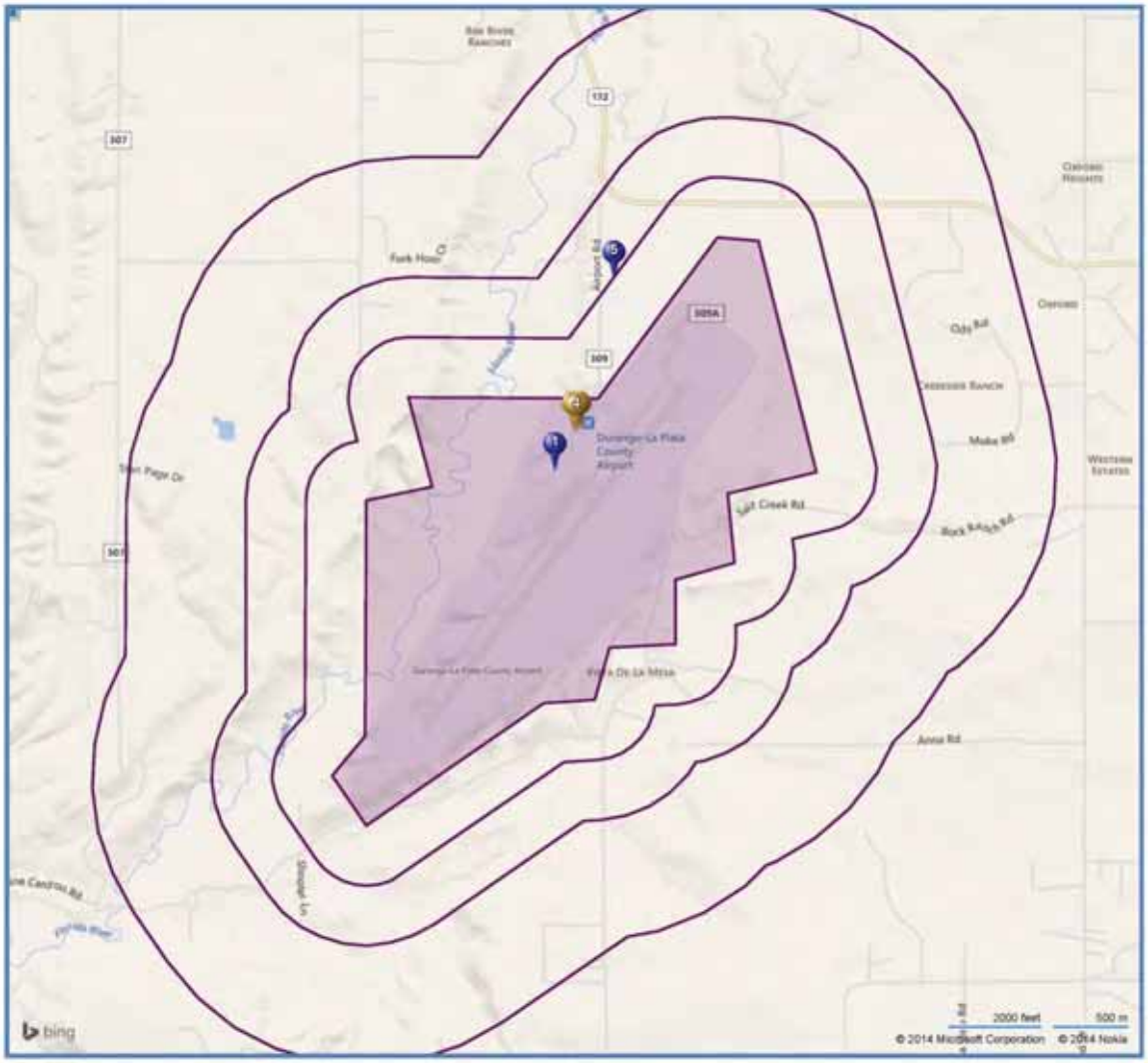
EnviroCheck Radius Search Report

Map 1



Site Searched to One-Quarter Mile

Site Searched to One-Half Mile

Site Searched to One Mile

Subject Property

N

1000 Airport Road, Durango, CO 81303

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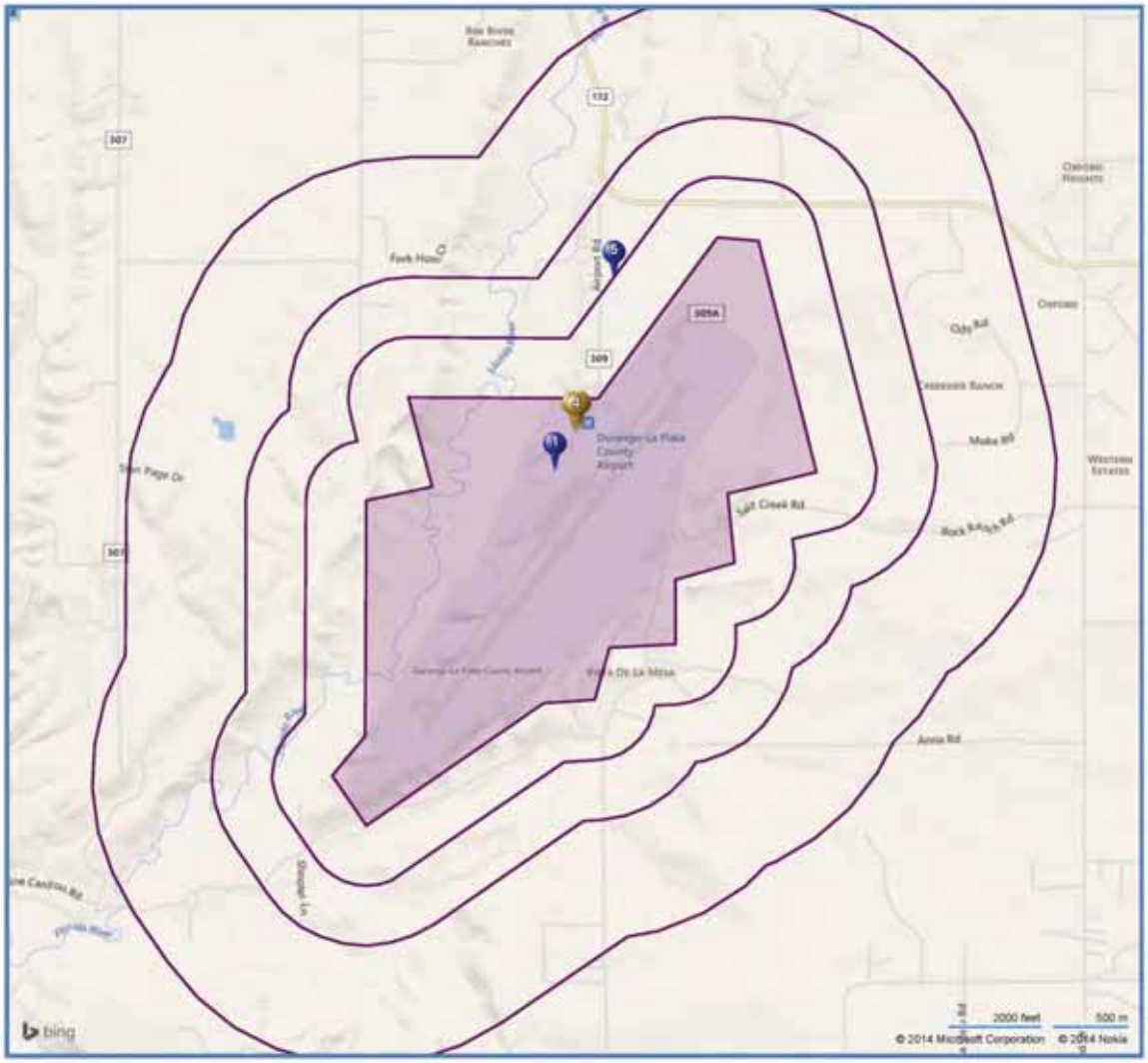
Map 2



Site Searched to One-Quarter Mile

Site Searched to One-Half Mile

Site Searched to One Mile

Subject Property

N

1000 Airport Road, Durango, CO 81303

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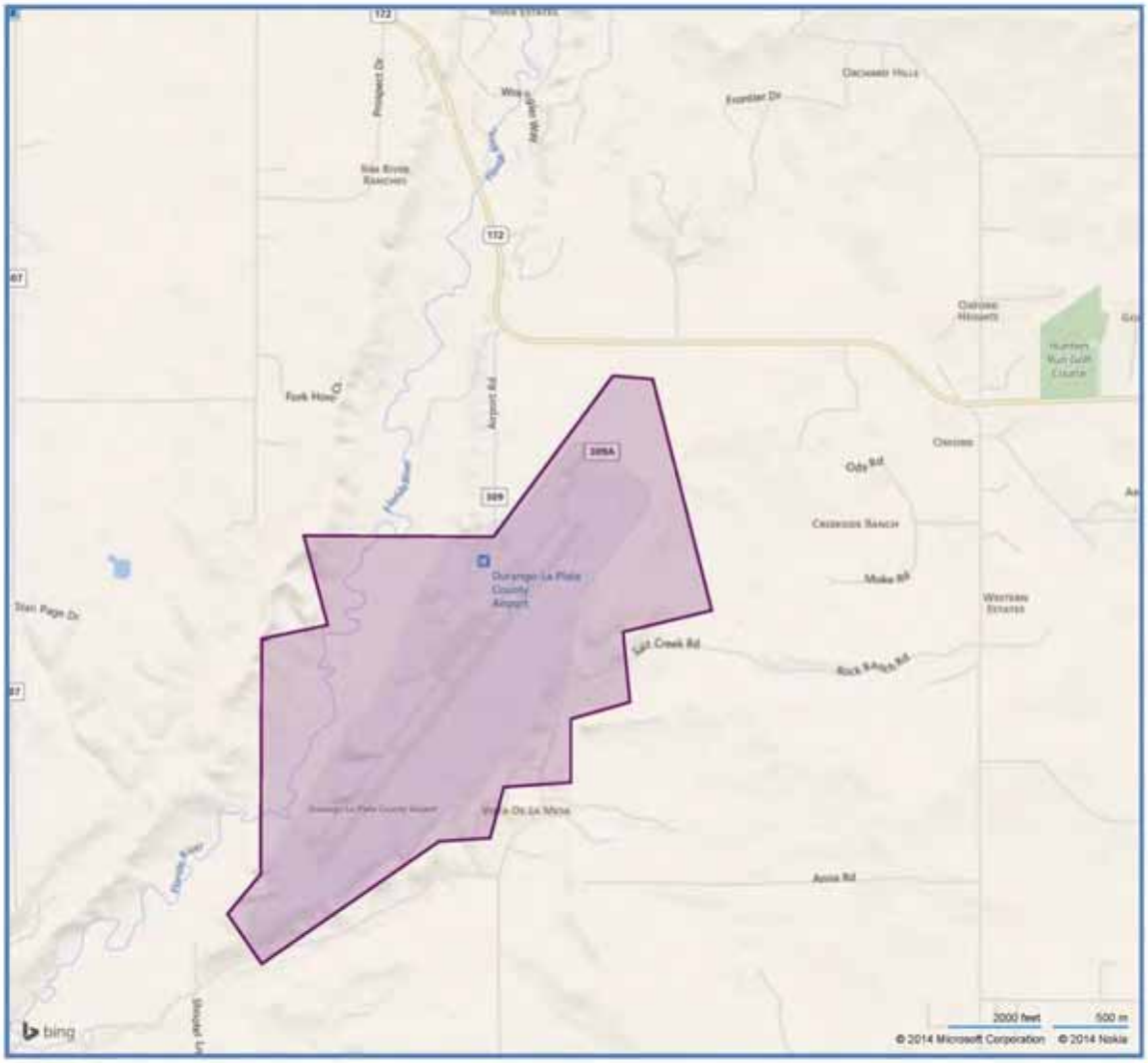
EnviroCheck Radius Search Report

Site Vicinity Map



Site Searched to One-Quarter Mile

Site Searched to One-Half Mile

Site Searched to One Mile

N

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EnviroCheck Radius Search Report

Site Details Summary

Map#	DB Type	Site Name/Status	Address	Dist/Dir	Page
1A	ERNS	Unknown/Status Not Applicable or Not Provided By Agency	1340 AIRPORT ROAD, DURANGO, CO	0 ft / South West	8
1B	LUST	Durango-La Plata Airport/Status Not Applicable or Not Provided By Agency	1340 Airport Rd., DURANGO, CO	0 ft / South West	9
1C	UST	Durango-La Plata Airport/Status Not Applicable or Not Provided By Agency	1340 Airport Rd., DURANGO, CO	0 ft / South West	9
2A	GENERATOR	TSA-DURANGO-LAPLATA COUNTY AIRPORT/No	1000 AIRPORT RD, DURANGO, CO	0 ft / West	11
2B	GENERATOR	DURANGO - LA PLATA COUNTY AIRPORT/No	1000 AIRPORT RD BOX 1, DURANGO, CO	0 ft / West	13
3A	ERNS	DURANGO LA PLATA COUNTY AIRPORT/Status Not Applicable or Not Provided By Agency	1000 AIRPORT ROAD, DURANGO, CO	0 ft / West	17
3B	ERNS	Unknown/Status Not Applicable or Not Provided By Agency	1000 AIRPORT RD, DURANGO, CO	0 ft / West	19
4A	ERNS	Unknown/Status Not Applicable or Not Provided By Agency	1300 AIRPORT DRIVE, DURANGO, CO	0 ft / West	20
5A	AST	DURANGO OPERATIONS CENTER/Status Not Applicable or Not Provided By Agency	380 AIRPORT RD, DURANGO, CO	1304 ft / North West	23
5B	LUST	DURANGO OPERATIONS CENTER/Closed case or No Further Action	380 AIRPORT RD, DURANGO, CO	1304 ft / North West	23
5C	ERNS	Unknown/Status Not Applicable or Not Provided By Agency	380 COUNTY ROAD 309, DURANGO, CO	1304 ft / North West	24
5D	ERNS	Unknown/Status Not Applicable or Not Provided By Agency	380 COUNTY RD 309, DURANGO, CO	1304 ft / North West	25
5E	ERNS	Unknown/Status Not Applicable or Not Provided By Agency	380 AIRPORT RD, DURANGO, CO	1304 ft / North West	27
5F	ERNS	Unknown/Status Not Applicable or Not Provided By Agency	380 AIRPORT RD, DURANGO, CO	1304 ft / North West	28

EnviroCheck Radius Search Report

Subject Property Sites

1 Durango-La Plata Airport-Unknown
1340 Airport Rd., DURANGO, CO
Records: 1A,1B,1C

Site ID: 1669612720
Distance: 0 ft, South West

1A Type: Emergency Response Notification System (ERNS)
Source: U.S. EPA and National Response Center's 1990 to 2005 Emergency Response Notification System list

Record ID: NAERNS90-01-557002

Record Details

Description Of Incident	FUEL TANK ON AIRCRAFT WAS OVERFILLED	**Incident Cause**	OPERATOR ERROR
Incident Date Time	2/15/2001 9:00:00 PM	**Incident Dtg**	OCCURRED
Type Of Incident	AIRCRAFT		

Special Program Information

Date/Time Received	2/16/2001 5:04:19 PM	**Date/Time Complete**	2/16/2001 5:10:10 PM
Call Taker	DMC7004	**Calltype**	INC
Responsible Party Last Name	UNKNOWN	**Responsible Party Company Name**	DURANGO AIR SERVICES
Responsible Party Organization Type	PRIVATE ENTERPRISE	**Responsible Party Company Address**	1000 AIRPORT ROAD
Responsible Party City	DURANGO	**Responsible Party State Name**	CO
Source	TELEPHONE		

Incidents

Aircraft Type	COMMERCIAL	**Aircraft Model**	MD-80
Type Of Fixed Object	UNKNOWN	**Power Generating Facility**	Unknown
Npdes Compliance	Unknown	**Dept Of Transportation Regulated**	Unknown
Pipeline Aboveground	ABOVE	**Exposed Underwater**	No
Pipeline Covered	Unknown	**Grade Crossing**	No
Device Operational	Y	**Brake Failure**	N
Tank Aboveground	ABOVE	**Transportable Container**	Unknown
Tank Regulated	Unknown	**Allision**	No
Structure Operational	Unknown		

Incident Details

Fire Involved	No	**Fire Extinguished**	Unknown

EnviroCheck Radius Search Report

Subject Property Sites

Any Evacuations	No	**Any Injuries**	No
Any Fatalities	No	**Any Damages**	No
Air Corridor Closed	N	**Waterway Closed**	No
Road Closed	No	**Major Artery**	N
Track Closed	No	**Media Interest**	NONE
Medium Desc	LAND	**Additional Medium Info**	CONTAINMENT AREA
Release Secured	Yes	**Desc Remedial Action**	ABSORBENTS APPLIED
State Agency On Scene	CO DEPT OF HEALTH	**Weather Conditions**	CLEAR
Air Temperature	24.00	**Water Supply Contaminated**	U
Community Impact	N	**Offshore**	No

Material Involved

Chris Code	JPE	**Cas Number**	000000-00-0
Amount Of Material	80	**Unit Of Measure**	GALLON(S)
Name Of Material	JET FUEL: JP-8	**If Reached Water**	NO

1B Type: Leaking Underground Storage Tanks (LUST)
Source: U.S. EPA's Region 8 Leaking Underground Storage Tank list on Tribal lands
Record ID: NARBINLU-1010022

Record Details

Site Details

Tribe	Southern Ute	**Eventid**	36
Lustlastmilestone	Site Cleanup Completed	**Lustcloseddate**	11/15/1993 12:00:00 AM

Tribe	Southern Ute	**Eventid**	263
Lustlastmilestone	LUST Cleanup Initiated: Petroleum		

1C Type: Underground Storage Tank Sites (UST)
Source: U.S. EPA's Region 8 Underground Storage Tank list on Tribal lands
Record ID: NARBINUS-1010022

Record Details

Site Details

Tribe	Southern Ute	**Tankstatusdesc**	Permanently Out of Use

EnviroCheck Radius Search Report

Subject Property Sites

Leakdetectedorcleanclosure	Evidence of Leak Detected	**Dateinstalled**	4/1/1951 12:00:00 AM
Dateclosed	7/21/1993 12:00:00 AM	**Name**	Durango-La Plata County Airport
Address	100 Airport Rd. P.O. Box 2677	**Tblowner City**	Durango
Tblowner County	La Plata	**Tblowner State**	CO
Tblowner Zip	81302		

Tribe	Southern Ute	**Tankstatusdesc**	Permanently Out of Use
Leakdetectedorcleanclosure	Evidence of Leak Detected	**Dateinstalled**	4/1/1951 12:00:00 AM
Dateclosed	7/21/1993 12:00:00 AM	**Name**	Durango-La Plata County Airport
Address	100 Airport Rd. P.O. Box 2677	**Tblowner City**	Durango
Tblowner County	La Plata	**Tblowner State**	CO
Tblowner Zip	81302		

Tribe	Southern Ute	**Tankstatusdesc**	Permanently Out of Use
Leakdetectedorcleanclosure	Evidence of Leak Detected	**Dateinstalled**	4/1/1951 12:00:00 AM
Dateclosed	7/21/1993 12:00:00 AM	**Name**	Durango-La Plata County Airport
Address	100 Airport Rd. P.O. Box 2677	**Tblowner City**	Durango
Tblowner County	La Plata	**Tblowner State**	CO
Tblowner Zip	81302		

Tribe	Southern Ute	**Tankstatusdesc**	Permanently Out of Use
Leakdetectedorcleanclosure	Evidence of Leak Detected	**Dateinstalled**	4/1/1977 12:00:00 AM
Dateclosed	7/21/1993 12:00:00 AM	**Name**	Durango-La Plata County Airport
Address	100 Airport Rd. P.O. Box 2677	**Tblowner City**	Durango
Tblowner County	La Plata	**Tblowner State**	CO
Tblowner Zip	81302		

Tribe	Southern Ute	**Tankstatusdesc**	Permanently Out of Use
Leakdetectedorcleanclosure	Evidence of Leak Detected	**Dateinstalled**	4/1/1977 12:00:00 AM
Dateclosed	7/21/1993 12:00:00 AM	**Name**	Durango-La Plata County Airport
Address	100 Airport Rd. P.O. Box 2677	**Tblowner City**	Durango
Tblowner County	La Plata	**Tblowner State**	CO
Tblowner Zip	81302		

Tribe	Southern Ute	**Tankstatusdesc**	Permanently Out of Use
Leakdetectedorcleanclosure	Evidence of Leak Detected	**Dateinstalled**	4/1/1961 12:00:00 AM
Dateclosed	7/21/1993 12:00:00 AM	**Name**	Durango-La Plata County Airport
Address	100 Airport Rd. P.O. Box 2677	**Tblowner City**	Durango
Tblowner County	La Plata	**Tblowner State**	CO
Tblowner Zip	81302		

Tribe	Southern Ute	**Tankstatusdesc**	Currently In Use
Dateinstalled	11/1/1989 12:00:00 AM	**Name**	Durango-La Plata County Airport
Address	100 Airport Rd. P.O. Box 2677	**Tblowner City**	Durango
Tblowner County	La Plata	**Tblowner State**	CO
Tblowner Zip	81302		

EnviroCheck Radius Search Report

Subject Property Sites

Tribe	Southern Ute	**Tankstatusdesc**	Permanently Out of Use
Dateinstalled	4/1/1986 12:00:00 AM	**Dateclosed**	1/15/1999 12:00:00 AM
Name	Durango-La Plata County Airport	**Address**	100 Airport Rd. P.O. Box 2677
Tblowner City	Durango	**Tblowner County**	La Plata
Tblowner State	CO	**Tblowner Zip**	81302

Tribe	Southern Ute	**Tankstatusdesc**	Permanently Out of Use
Dateinstalled	4/1/1977 12:00:00 AM	**Dateclosed**	12/15/1998 12:00:00 AM
Name	Durango-La Plata County Airport	**Address**	100 Airport Rd. P.O. Box 2677
Tblowner City	Durango	**Tblowner County**	La Plata
Tblowner State	CO	**Tblowner Zip**	81302

Tribe	Southern Ute	**Tankstatusdesc**	Currently In Use
Dateinstalled	11/1/1989 12:00:00 AM	**Name**	Durango-La Plata County Airport
Address	100 Airport Rd. P.O. Box 2677	**Tblowner City**	Durango
Tblowner County	La Plata	**Tblowner State**	CO
Tblowner Zip	81302		

Tribe	Southern Ute	**Tankstatusdesc**	Currently In Use
Dateinstalled	11/1/1989 12:00:00 AM	**Name**	Durango-La Plata County Airport
Address	100 Airport Rd. P.O. Box 2677	**Tblowner City**	Durango
Tblowner County	La Plata	**Tblowner State**	CO
Tblowner Zip	81302		

2 DURANGO - LA PLATA COUNTY AIRPORT-TSA-DURANGO-LAPLATA COUNTY AIRPORT
1000 AIRPORT RD, DURANGO, CO
Records: 2A,2B,
Site ID: 7324829
Distance: 0 ft, West

2A Type: Small and Large Quantity Generators (GENERATOR)
Source: U.S. Environmental Protection Agency's Hazardous Waste Generator list
Record ID: NARCRA00 COR000208900

Record Details

Generator Status Universe	Conditionally Exempt Small Quantity Generator	**Found Violation**	No

Handler Information

Handler Sequence Number	1	**Receive Date**	20040805
Current Site Name	TSA-DURANGO-LAPLATA COUNTY AIRPORT	**Acknowledge Flag**	No
Location Zip Code	81303	**Mailing City**	DURANGO
Mailing State	CO	**Mailing Zip Code**	81303
Federal Waste	HQ	**Federal Waste**	Conditionally Exempt Small Quantity

EnviroCheck Radius Search Report

Subject Property Sites

Generator Code Owner		Generator Code	Generator
State Waste Generator Code Owner	CO	Short Term Generator	No
Mixed Waste Generator	No	Transporter Activity	No
Transfer Facility	No	Treatment, Storage, Disposal Facility Activity	No
Recycler Activity	No	Onsite Burner Exemption	No
Underground Injection Activity	No	Receives Waste From Off-Site	No
Universal Waste Destination Facility	No	Used Oil Transporter	No
Used Oil Transfer Facility	No	Used Oil Processor	No
Used Oil Refiner	No	Used Oil Fuel Burner	No
Used Oil Fuel Marketer To Burner	No	Used Oil Specification Marketer	No
Location Street	1000 AIRPORT RD	Mailing Street	1000 AIRPORT RD BOX 8
Contact Street	2828 WALKER FIELD DR STE 209 TSA-GJCT-WALKER FIELD AIRPORT	State Waste Generator Description	Same as Federally Defined
Contact Name	RALPH HAMBLIN		

North American Industry Classification System

Naics Description	OTHER AIRPORT OPERATIONS

Site Owners

Owner/Operator Name	CITY OF DURANGO	Date Became Current	8/5/2004 12:00:00 AM
Street	949 E 2ND AVE		

Owner/Operator Name	TSA-DURANGO-LAPLATA COUNTY AIRPORT	Date Became Current	8/5/2004 12:00:00 AM
Street	AIRPORT RD		

Site Type

Current Site Name	TSA-DURANGO-LAPLATA COUNTY AIRPORT	Non-Notifier	Not a non-notifier
Receive Date	20040805	Land Type	Other land type
Owner Name	CITY OF DURANGO	Operator Name	TSA-DURANGO-LAPLATA COUNTY AIRPORT
Short Term Generator	No	Importer Activity	No

EnviroCheck Radius Search Report

Subject Property Sites

Transfer Facility	No	**Receives Waste From Off-Site**	No
Univ Waste Dest Facility	No	**Federal Universal Waste**	No
Hazardous Secondary Material Indicator	No	**Tsd Type**	Not in a universe
Post-Closure Workload Universe	Not in a universe	**Tsdfs Potentially Subject To Corrective Action Under 3004 (U)/(**	No
Inst Control Indicator	No	**Human Exposure Indicator**	N/A
Groundwater Controls Indicator	N/A	**State Waste Generator Description**	Same as Federally Defined
Location Street	1000 AIRPORT RD	**Mailing Street**	1000 AIRPORT RD BOX 8
Contact Street	2828 WALKER FIELD DR STE 209 TSA-GJCT-WALKER FIELD AIRPORT		

Waste Code

Waste Description	IGNITABLE WASTE
Waste Description	CORROSIVE WASTE
Waste Description	REACTIVE WASTE

2B Type: Small and Large Quantity Generators (GENERATOR)
Source: U.S. Environmental Protection Agency's Hazardous Waste Generator list
Record ID: NARCRA00 COR000223024

Record Details

Generator Status Universe	Conditionally Exempt Small Quantity Generator	**Found Violation**	No

Client Monitoring and Enforcement Data

Evaluation Start Date	1/31/2013 12:00:00 AM	**Evaluation Agency**	State
Sampling Flag	No	**Evaluation Type Description**	COMPLIANCE EVALUATION INSPECTION ON-SITE
Handler Name	DURANGO - LA PLATA COUNTY AIRPORT		
Evaluation Start Date	8/10/2012 12:00:00 AM	**Evaluation Agency**	State
Sampling Flag	No	**Evaluation Type Description**	FACILITY SELF DISCLOSURE
Handler Name	DURANGO - LA PLATA COUNTY AIRPORT		

EnviroCheck Radius Search Report

Subject Property Sites

Evaluation Start Date	8/3/2011 12:00:00 AM	**Evaluation Agency**	State
Sampling Flag	No	**Evaluation Type Description**	FACILITY SELF DISCLOSURE
Handler Name	DURANGO - LA PLATA COUNTY AIRPORT		

Handler Information

Handler Sequence Number	1	**Receive Date**	20100316
Current Site Name	DURANGO - LA PLATA COUNTY AIRPORT	**Location Zip Code**	81301
Mailing City	DURANGO	**Mailing State**	CO
Mailing Zip Code	81301	**Mailing Country**	US
Contact Title	AVIATION DIRECTOR	**Federal Waste Generator Code Owner**	HQ
Federal Waste Generator Code	Small Quantity Generator	**State Waste Generator Code Owner**	CO
Short Term Generator	No	**Mixed Waste Generator**	No
Transporter Activity	No	**Transfer Facility**	No
Treatment, Storage, Disposal Facility Activity	No	**Recycler Activity**	No
Onsite Burner Exemption	No	**Underground Injection Activity**	No
Receives Waste From Off-Site	No	**Universal Waste Destination Facility**	No
Used Oil Transporter	No	**Used Oil Transfer Facility**	No
Used Oil Processor	No	**Used Oil Refiner**	No
Used Oil Fuel Burner	No	**Used Oil Fuel Marketer To Burner**	No
Used Oil Specification Marketer	No	**Location Street**	1000 AIRPORT RD BOX 1
Mailing Street	1000 AIRPORT RD BOX 1	**Contact Street**	1000 AIRPORT RD BOX 1
State Waste Generator Description	Same as Federally Defined	**Contact Name**	RON DENT

Handler Sequence Number	2	**Receive Date**	20130627
Current Site Name	DURANGO - LA PLATA COUNTY AIRPORT	**Location Zip Code**	81301
Mailing City	DURANGO	**Mailing State**	CO
Mailing Zip Code	81301	**Mailing Country**	US
Contact Title	AVIATION DIRECTOR	**Federal Waste Generator Code Owner**	HQ
Federal Waste Generator Code	Conditionally Exempt Small Quantity Generator	**State Waste Generator Code Owner**	CO

EnviroCheck Radius Search Report

Subject Property Sites

Short Term Generator	No	Mixed Waste Generator	No
Transporter Activity	No	Transfer Facility	No
Treatment, Storage, Disposal Facility Activity	No	Recycler Activity	No
Onsite Burner Exemption	No	Underground Injection Activity	No
Receives Waste From Off-Site	No	Universal Waste Destination Facility	No
Used Oil Transporter	No	Used Oil Transfer Facility	No
Used Oil Processor	No	Used Oil Refiner	No
Used Oil Fuel Burner	No	Used Oil Fuel Marketer To Burner	No
Used Oil Specification Marketer	No	Opting Into Or Currently Operating Under	No
Part 262 Teaching Hospital	No	Part 262 Non-Profit Research Institute	No
Withdrawal From 40 Cfr Part 262 Subpart K	No	Location Street	1000 AIRPORT RD BOX 1
Mailing Street	1000 AIRPORT RD BOX 1	Contact Street	1000 AIRPORT RD BOX 1
State Waste Generator Description	Same as Federally Defined	Contact Name	LUKE SKAFLEN

North American Industry Classification System

Naics Description	AIRPORT OPERATIONS
Naics Description	AIRPORT OPERATIONS

Site Owners

Owner/Operator Name	DURANGO-LA PLATA COUNTY AIRPORT	Date Became Current	3/16/2010 12:00:00 AM
Street	1000 AIRPORT RD BOX 1		
Owner/Operator Name	DURANGO-LA PLATA COUNTY AIRPORT	Date Became Current	3/16/2010 12:00:00 AM
Street	1000 AIRPORT RD BOX 1		
Owner/Operator Name	CITY OF DURANGO-LA PLATA COUNTY	Date Became Current	3/16/2010 12:00:00 AM
Street	1000 AIRPORT RD BOX 1		
Owner/Operator Name	CITY OF DURANGO-LA PLATA COUNTY	Date Became Current	3/16/2010 12:00:00 AM
Street	1000 AIRPORT RD BOX 1		

EnviroCheck Radius Search Report

Subject Property Sites

Site Type

Current Site Name	DURANGO - LA PLATA COUNTY AIRPORT	**Non-Notifier**	Not a non-notifier
Receive Date	20130627	**Land Type**	Municipal
Contact Title	AVIATION DIRECTOR	**Owner Name**	CITY OF DURANGO-LA PLATA COUNTY
Operator Name	DURANGO-LA PLATA COUNTY AIRPORT	**Short Term Generator**	No
Importer Activity	No	**Transfer Facility**	No
Receives Waste From Off-Site	No	**Univ Waste Dest Facility**	No
Federal Universal Waste	Yes	**Hazardous Secondary Material Indicator**	No
Tsd Type	Not in a universe	**Post-Closure Workload Universe**	Not in a universe
Tsdfs Potentially Subject To Corrective Action Under 3004 (U)/(	No	**Inst Control Indicator**	No
Human Exposure Indicator	N/A	**Groundwater Controls Indicator**	N/A
State Waste Generator Description	Same as Federally Defined	**Location Street**	1000 AIRPORT RD BOX 1
Mailing Street	1000 AIRPORT RD BOX 1	**Contact Street**	1000 AIRPORT RD BOX 1

Additional Waste Data

Universal Waste Type	Batteries	**Accumulated**	Yes
Universal Waste Type	Lamps	**Accumulated**	Yes
Universal Waste Type	Pesticides	**Accumulated**	Yes
Universal Waste Type	Mercury containing equipment	**Accumulated**	Yes
Universal Waste Type	Mercury containing equipment	**Accumulated**	Yes
Universal Waste Type	Batteries	**Accumulated**	Yes
Universal Waste Type	Pesticides	**Accumulated**	Yes
Universal Waste	Lamps	**Accumulated**	Yes

EnviroCheck Radius Search Report

Subject Property Sites

Type

Waste Code

Waste Description	IGNITABLE WASTE
Waste Description	CORROSIVE WASTE
Waste Description	IGNITABLE WASTE
Waste Description	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Waste Description	ALUMINUM PHOSPHIDE (R,T)
Waste Description	BENZENE, METHYL- (OR) TOLUENE

3 DURANGO LA PLATA COUNTY AIRPORT-Unknown
1000 AIRPORT ROAD, DURANGO, CO
Records: 3A,3B,

Site ID: 385064536
Distance: 0 ft, West

3A Type: Emergency Response Notification System (ERNS)
Source: U.S. EPA and National Response Center's 2009 Emergency Response Notification System list

Record ID: NAERNS09-919283

Record Details

Description Of Incident	CALLER STATED THERE WAS A DRIP OF MATERIALS FROM AN OUT OF SERVICE UNDERGROUND STORAGE TANK DUE TO UNKNOWN CAUSES. CALLER STATED THERE WAS A LOOSE FITTING ON THE STORAGE TANK. CALLER STATED THE SPILL WENT INTO AN EXCAVATION PIT.	Type Of Incident	STORAGE TANK
Incident Cause	UNKNOWN	Incident Date Time	9/29/2009 3:00:00 PM
Incident Dtg	DISCOVERED		

Special Program Information

Date Time Received	9/30/2009 1:09:12 PM	Date Time Complete	9/30/2009 1:19:16 PM
Calltype	INC	Responsible Org Type	UNKNOWN
Responsible State	XX	On Behalf Of	N
Source	TELEPHONE		

Incidents

Power Generating Facility	U	Npdes Compliance	U

EnviroCheck Radius Search Report

Subject Property Sites

Dot Regulated	U	**Pipeline Above Ground**	ABOVE
Exposed Underwater	N	**Pipeline Covered**	U
Grade Crossing	U	**Device Operational**	U
Brake Failure	U	**Description Of Tank**	12000 GALLON UNDERGROUND FIBERGLASS TANK
Tank Above Ground	BELOW	**Transportable Container**	N
Tank Regulated	U	**Capacity Of Tank**	12000
Capacity Of Tank Units	GALLON(S)	**Allision**	U
Structure Operational	U	**Airbag Deployed**	U
Sub Part C Testing Req	XXX	**Passenger Route**	XXX
Passenger Delay	XXX		

Incident Details

Fire Involved	N	**Fire Extinguished**	U
Any Evacuations	N	**Any Injuries**	N
Any Fatalities	N	**Any Damages**	N
Air Corridor Closed	N	**Waterway Closed**	N
Road Closed	N	**Major Artery**	N
Track Closed	N	**Media Interest**	NONE
Medium Desc	LAND	**Additional Medium Info**	INTO THE GROUND
Release Secured	Y	**Desc Remedial Action**	CALLER STATED THE SOIL WILL BE REMOVED AND PLACED ON PLASTIC AND PROFILED. THE SOIL WILL THEM BE TRUCKED TO AN APPROVED LANDFILL.
State Agency On Scene	NONE	**State Agency Report Num**	NONE
Weather Conditions	SUNNY	**Air Temperature**	55
Water Supply Contaminated	U	**Additional Info**	CALLER DID NOT HAVE ANY ADDITIONAL INFORMATION.
State Agency Notified	EPA REGION 8	**Federal Agency Notified**	NONE
Offshore	N	**Passengers Transferred**	NO

Material Involved

Chris Code	JPE	**Cas Number**	000000-00-0
Amount Of Material	0	**Unit Of Measure**	UNKNOWN AMOUNT
Name Of Material	JET FUEL: JP-8	**If Reached Water**	NO

EnviroCheck Radius Search Report

Subject Property Sites

3B

Type: Emergency Response Notification System (ERNS)
Source: U.S. EPA and National Response Center's 1990 to 2005 Emergency Response Notification System list

Record ID: NAERN590-96-361793

Record Details

Description Of Incident	AIRPORT FUEL FARM STORAGE TANK / TANK OVERFILL	Incident Cause	OPERATOR ERROR
Incident Date Time	9/18/1996 9:00:00 PM	Incident Dtg	OCCURRED
Type Of Incident	FIXED		

Special Program Information

Date/Time Received	9/20/1996 3:14:13 PM	Date/Time Complete	9/20/1996 3:19:38 PM
Call Taker	JJB0993	Calltype	INC
Responsible Party Last Name	ENGEL	Responsible Party First Name	DON
Responsible Party Phone	9702470306	Responsible Party Phone Type	PRIMARY
Responsible Party Company Name	GROENDYDE TRANSPORT	Responsible Party Organization Type	PRIVATE ENTERPRISE
Responsible Party Company Address	2411 DELLWOOD	Responsible Party City	DURANGO
Responsible Party State Name	CO	Responsible Party Zip Code	81302
Source	UNAVAILABLE		

Incidents

Aircraft Type	UNKNOWN	Type Of Fixed Object	UNKNOWN
Power Generating Facility	Unknown	Npdes Compliance	Unknown
Pipeline Type	UNKNOWN	Dept Of Transportation Regulated	Unknown
Pipeline Aboveground	ABOVE	Exposed Underwater	Unknown
Pipeline Covered	Unknown	Grade Crossing	No
Railroad Milepost	UNKNOWN	Type Vehicle Involved	UNKNOWN
Device Operational	Y	Brake Failure	N
Tank Aboveground	ABOVE	Transportable Container	Unknown
Tank Regulated	Unknown	Allision	No
Structure Operational	Yes		

Incident Details

Fire Involved	No	Any Evacuations	No

EnviroCheck Radius Search Report

Subject Property Sites

Any Injuries	Unknown	**Any Fatalities**	Unknown
Any Damages	No	**Air Corridor Closed**	N
Road Closed	No	**Medium Desc**	LAND
Additional Medium Info	SOIL		

Material Involved

Chris Code	JPV	**Amount Of Material**	300
Unit Of Measure	GALLON(S)	**Name Of Material**	JET FUEL: JP-5 (KEROSENE, HEAVY)
If Reached Water	YES	**Amount In Water**	0
Unit Of Measure Reach Water	NONE		

4 Unknown
1300 AIRPORT DRIVE, DURANGO, CO
Records: 4A,

Site ID: 61779228
Distance: 0 ft. West

4A Type: Emergency Response Notification System (ERNS)
Source: U.S. EPA and National Response Center's 2010 Emergency Response Notification System list

Record ID: NAERNS10-930038

Record Details

Description Of Incident	CALLER STATED THAT 10 GALLONS OF HYDRAULIC OIL WAS RELEASED FROM AN AIRPORT MAINTENANCE TRUCK DUE TO AN I RETENTION POND. A SHEEN WAS DISCOVERED IN THE RETENTION POND. THE POND ALSO RECEIVES STORM WATER FROM TH SPILLED OR FROM THE PARKING LOT.
Incident Cause	EQUIPMENT FAILURE
Incident Dtg	OCCURRED
Subtable	NAerns10_Calls,NAerns10_Derailed_units,NAERNS10_Incidents,NAERNS10_Incident_details,NAERNS10_Material_Involved,NAERNS1

Special Program Information

Agencyid	930038	**Date Time Received**	1/29/2010 7:42:27 PM
Date Time Complete	1/29/2010 7:53:42 PM	**Calltype**	INC
Responsible Company	A/V FLIGHT	**Responsible Org Type**	PRIVATE ENTERPRISE
Responsible City	DURANGO	**Responsible State**	CO
Responsible Zip	81303	**On Behalf Of**	Y
Source	TELEPHONE		

Incidents

Agencyid	930038	**Power Generating Facility**	U
Npdes Compliance	U	**Dot Regulated**	U

1000 Airport Road, Durango, CO 81303

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v. 866-517-5513 - f.858-259-0757
www.envirochecksolutions.com

EnviroCheck Radius Search Report

Subject Property Sites

Pipeline Above Ground	ABOVE	Exposed Underwater	N
Pipeline Covered	U	Grade Crossing	U
Device Operational	U	Brake Failure	U
Tank Above Ground	ABOVE	Transportable Container	U
Tank Regulated	U	Allision	N
Structure Operational	U	Airbag Deployed	N
Sub Part C Testing Req	XXX	Passenger Route	XXX
Passenger Delay	XXX		

Incident Details

Agencyid	930038	Fire Involved	N
Fire Extinguished	U	Any Evacuations	N
Any Injuries	N	Any Fatalities	N
Any Damages	N	Air Corridor Closed	N
Waterway Closed	N	Road Closed	N
Major Artery	N	Track Closed	N
Media Interest	NONE	Medium Desc	WATER
Additional Medium Info	STORM WATER RETENTION POND	Body Of Water	STORM WATER RETENTION POND
Tributary Of	UNNAMED CREEK	Release Secured	Y
Desc Remedial Action	BOOM APPLIED TO RETENTION POND AND NEAR STORM DRAIN OPENING, SPREAD ABSORBANTS ON THE WATER AND NEAR THE STORM DRAIN.	State Agency On Scene	NONE
State Agency Report Num	NONE	Weather Conditions	OVERCAST
Water Supply Contaminated	U	Additional Info	CALLER STATED THAT HE WILL CONTACT THE STATE DEPT OF HEALTH EMERGENCY RESPONSE. THE REPORTING COMPANY COLLECTED WATER SAMPLES FROM THE RETENTION POND AND FROM THE STREAM TO CHECK FOR VOC'S.
State Agency Notified	WATER QUAL BOARD	Federal Agency Notified	NONE
Offshore	N	Passengers Transferred	NO

Material Involved

Agencyid	930038	Chris Code	OHY
Cas Number	000000-00-0	Amount Of Material	10
Unit Of Measure	GALLON(S)	Name Of Material	HYDRAULIC OIL
If Reached Water	YES	Amount In Water	0
Unit Of Measure Reach Water	UNKNOWN AMOUNT		

EnviroCheck Radius Search Report

Subject Property Sites

Mobile Details

Agencyid	930038	**Vehicle Number**	AIRPORT MAINT TRUCK
Hazmat Carrier	N	**Carrier Licensed**	U
Noncompliance With Hazmat	U	**Mobile Type**	OTHER

EnviroCheck Radius Search Report

Surrounding Sites Details

5 DURANGO OPERATIONS CENTER–Unknown
380 AIRPORT RD, DURANGO, CO
Records: 5A,5B,5C,5D,5E,5F,

Site ID: 1019235288
Distance: 1304 ft, North West

5A Type: Aboveground Storage Tanks (AST)
Source: Colorado Oil and Public Safety Division's Storage Tank list

Record ID: COASTLIS 15744

Record Details

Tank Details

Tank Id	34340	**Tanktag**	'15744-1
Capacity	3000	**Product Name**	1 - Unleaded Regular (RUL)
Tank Type Description	AST	**Facilityowner**	BP AMOCO CO - ATTN FIELD ENVIRONMENTAL COORDINATOR
Tank Id	34341	**Tanktag**	'15744-2
Capacity	5500	**Product Name**	1 - Unleaded Regular (RUL)
Tank Type Description	AST	**Facilityowner**	BP AMOCO CO - ATTN FIELD ENVIRONMENTAL COORDINATOR
Tank Id	34342	**Tanktag**	'15744-3
Capacity	1000	**Product Name**	4 - Diesel
Tank Type Description	AST	**Facilityowner**	BP AMOCO CO - ATTN FIELD ENVIRONMENTAL COORDINATOR
Tank Id	34343	**Tanktag**	'15744-4
Capacity	10000	**Product Name**	7 - Lube Oil
Tank Type Description	AST	**Facilityowner**	BP AMOCO CO - ATTN FIELD ENVIRONMENTAL COORDINATOR
Tank Id	34344	**Tanktag**	'15744-5
Capacity	13000	**Product Name**	6 - Used Oil (Waste Oil)
Tank Type Description	AST	**Facilityowner**	BP AMOCO CO - ATTN FIELD ENVIRONMENTAL COORDINATOR

5B Type: Leaking Underground Storage Tanks (LUST)
Source: Colorado Oil and Public Safety Division's Leaking Underground Storage Tank list

Record ID: COLUSTIS 15744

Record Details

Estimated Status Closed case or No Further Action

EnviroCheck Radius Search Report
Surrounding Sites Details

Site Details

Event Id	10819	**Log Date**	Tuesday, March 10, 2009
Category	Commercial/Industrial	**Release Source**	Dispenser
Status	Closed	**Classification**	3.1
Agencyid	15744	**Estimated Status**	Closed case or No Further Action

5C Type: Emergency Response Notification System (ERNS)
Source: U.S. EPA and National Response Center's 1990 to 2005 Emergency Response Notification System list
Record ID: NAERNS90-91-91428

Record Details

Description Of Incident	6\" PIPELINE / LEAKING, UNKNOWN	**Incident Cause**	UNKNOWN
Incident Date Time	10/8/1991 9:00:00 AM	**Incident Dtg**	DISCOVERED
Type Of Incident	PIPELINE		

Special Program Information

Date/Time Received	10/8/1991 12:37:49 PM	**Date/Time Complete**	10/8/1991 12:40:56 PM
Call Taker	TJW9515	**Calltype**	INC
Responsible Party Last Name	JENSEN	**Responsible Party First Name**	JOHN
Responsible Party Phone	3032476815	**Responsible Party Phone Type**	PRIMARY
Responsible Party Company Name	AMOCO PRODUCTION CO.	**Responsible Party Organization Type**	PRIVATE ENTERPRISE
Responsible Party Company Address	380 COUNTY ROAD 309	**Responsible Party City**	DURANGO
Responsible Party State Name	CO	**Responsible Party Zip Code**	81301
Source	UNAVAILABLE		

Incidents

Aircraft Type	UNKNOWN	**Type Of Fixed Object**	UNKNOWN
Power Generating Facility	Unknown	**Npdes Compliance**	Unknown
Pipeline Type	UNKNOWN	**Dept Of Transportation Regulated**	Unknown
Pipeline Aboveground	ABOVE	**Exposed Underwater**	Unknown
Pipeline Covered	Unknown	**Grade Crossing**	No
Railroad Milepost	UNKNOWN	**Type Vehicle Involved**	UNKNOWN
Device Operational	Y	**Brake Failure**	N
Tank Aboveground	ABOVE	**Transportable**	Unknown

EnviroCheck Radius Search Report

Surrounding Sites Details

		Container	
Tank Regulated	Unknown	Allision	No
Structure Operational	Yes		

Incident Details

Fire Involved	No	Fire Extinguished	Unknown
Any Evacuations	No	Any Injuries	Unknown
Any Fatalities	Unknown	Any Damages	No
Air Corridor Closed	N	Waterway Closed	No
Road Closed	No	Major Artery	N
Track Closed	No	Medium Desc	WATER
Additional Medium Info	IRRIGATION DITCH WHICH WAS IN USE.	Release Secured	Unknown
Desc Remedial Action	MATERIAL ENTERED A FARMERS IRRIGATION DITCH. PIPELINE WAS SHUT IN.	Water Supply Contaminated	U
Community Impact	N	Additional Info	MATERIAL IS NON-HYDROCARBON.
Offshore	No		

Material Involved

Chris Code	NCC	Amount Of Material	50
Unit Of Measure	BARREL(S)	Name Of Material	FRUITLAND COAL WATER (PRODUCED WATER)
If Reached Water	YES	Amount In Water	50
Unit Of Measure Reach Water	BARREL(S)		

5D Type: Emergency Response Notification System (ERNS)
Source: U.S. EPA and National Response Center's 1990 to 2005 Emergency Response Notification System list
Record ID: NAERNS90-94-265548

Record Details

Description Of Incident	GAS WELL / MECHANICAL FAILURE	Direction From City	SE
Distance From City	15	Distance Units	MI
Incident Cause	EQUIPMENT FAILURE	Incident Date Time	10/15/1994 2:30:00 PM
Incident Dtg	DISCOVERED	Type Of Incident	FIXED

Special Program Information

Date/Time Received	10/16/1994 3:28:47 PM	Date/Time Complete	10/16/1994 3:31:43 PM
Call Taker	AJM5909	Calltype	INC
Responsible Party Last Name	JENSON	Responsible Party First Name	JOHN
Responsible Party	3032476800	Responsible Party	PRIMARY

EnviroCheck Radius Search Report

Surrounding Sites Details

Phone		**Phone Type**	
Responsible Party Company Name	AMOCO PRODUCTION	**Responsible Party Organization Type**	PRIVATE ENTERPRISE
Responsible Party Company Address	380 COUNTY RD 309	**Responsible Party City**	DURANGO
Responsible Party State Name	CO	**Responsible Party Zip Code**	81301
Source	UNAVAILABLE		

Incidents

Aircraft Type	UNKNOWN	**Type Of Fixed Object**	UNKNOWN
Power Generating Facility	Unknown	**Npdes Compliance**	Unknown
Pipeline Type	UNKNOWN	**Dept Of Transportation Regulated**	Unknown
Pipeline Aboveground	ABOVE	**Exposed Underwater**	Unknown
Pipeline Covered	Unknown	**Grade Crossing**	No
Railroad Milepost	UNKNOWN	**Type Vehicle Involved**	UNKNOWN
Device Operational	Y	**Brake Failure**	N
Tank Aboveground	ABOVE	**Transportable Container**	Unknown
Tank Regulated	Unknown	**Allision**	No
Structure Operational	Yes		

Incident Details

Fire Involved	No	**Any Evacuations**	No
Any Injuries	Unknown	**Any Fatalities**	Unknown
Any Damages	No	**Medium Desc**	WATER
Additional Medium Info	FLORIDA RIVER	**Desc Remedial Action**	SHUT IN WELL / WATER FLOWED INTO RIVER

Material Involved

Chris Code	NCC	**Amount Of Material**	275
Unit Of Measure	BARREL(S)	**Name Of Material**	PROCESS COAL WATER
If Reached Water	YES	**Amount In Water**	275
Unit Of Measure Reach Water	BARREL(S)		

Chris Code	NCC	**Amount Of Material**	275
Unit Of Measure	BARREL(S)	**Name Of Material**	PROCESS COAL WATER
If Reached Water	YES	**Amount In Water**	275
Unit Of Measure Reach Water	BARREL(S)		

EnviroCheck Radius Search Report

Surrounding Sites Details

5E

Type: Emergency Response Notification System (ERNS)
Source: U.S. EPA and National Response Center's 1990 to 2005 Emergency Response Notification System list

Record ID: NAERN590-95-311675

Record Details

Description Of Incident	6 INCH TRANSFER PIPELINE / FAULTY REPAIR	**Incident Cause**	OPERATOR ERROR
Incident Date Time	10/23/1995 11:00:00 AM	**Incident Dtg**	OCCURRED
Type Of Incident	PIPELINE		

Special Program Information

Date/Time Received	10/23/1995 5:23:07 PM	**Date/Time Complete**	10/23/1995 5:25:25 PM
Call Taker	GEB4899	**Calltype**	INC
Responsible Party Last Name	JENSEN	**Responsible Party First Name**	JON
Responsible Party Phone	9702476800	**Responsible Party Phone Type**	PRIMARY
Responsible Party Company Name	AMOCO PRODUCTION CO	**Responsible Party Organization Type**	PRIVATE ENTERPRISE
Responsible Party Company Address	380 AIRPORT RD	**Responsible Party City**	DURANGO
Responsible Party State Name	CO	**Responsible Party Zip Code**	81301
Source	UNAVAILABLE		

Incidents

Aircraft Type	UNKNOWN	**Type Of Fixed Object**	UNKNOWN
Power Generating Facility	Unknown	**Npdes Compliance**	Unknown
Pipeline Type	UNKNOWN	**Dept Of Transportation Regulated**	Unknown
Pipeline Aboveground	ABOVE	**Exposed Underwater**	Unknown
Pipeline Covered	Unknown	**Grade Crossing**	No
Railroad Milepost	UNKNOWN	**Type Vehicle Involved**	UNKNOWN
Device Operational	Y	**Brake Failure**	N
Tank Aboveground	ABOVE	**Transportable Container**	Unknown
Tank Regulated	Unknown	**Allision**	No
Structure Operational	Yes		

Incident Details

EnviroCheck Radius Search Report

Surrounding Sites Details

Fire Involved	No	Any Evacuations	No
Any Injuries	Unknown	Any Fatalities	Unknown
Any Damages	No	Air Corridor Closed	N
Road Closed	No	Medium Desc	WATER
Additional Medium Info	FLORIDA RIVER	Desc Remedial Action	LEAK IS SECURED / MATERIAL WAS NOT CONTAINED

Material Involved

Chris Code	OTH	Amount Of Material	10
Unit Of Measure	BARREL(S)	Name Of Material	OTHER OIL (PRODUCED WATER)
If Reached Water	YES	Amount In Water	10
Unit Of Measure Reach Water	BARREL(S)		

5F Type: Emergency Response Notification System (ERNS)
Source: U.S. EPA and National Response Center's 1990 to 2005 Emergency Response Notification System list
Record ID: NAERNS90-96-351230

Record Details

Description Of Incident	6\"PIPELINE / VALVE LEAK	Incident Cause	EQUIPMENT FAILURE
Incident Date Time	7/9/1996 4:00:00 PM	Incident Dtg	OCCURRED
Type Of Incident	FIXED		

Special Program Information

Date/Time Received	7/10/1996 5:11:16 PM	Date/Time Complete	7/10/1996 5:14:50 PM
Call Taker	TXP3025	Calltype	INC
Responsible Party Last Name	JENSON	Responsible Party First Name	JOHN
Responsible Party Phone	9702476800	Responsible Party Phone Type	PRIMARY
Responsible Party Company Name	AMOCO PRODUCTION CO	Responsible Party Organization Type	PRIVATE ENTERPRISE
Responsible Party Company Address	380 AIRPORT RD	Responsible Party City	DURANGO
Responsible Party State Name	CO	Responsible Party Zip Code	81301
Source	UNAVAILABLE		

Incidents

Aircraft Type	UNKNOWN	Type Of Fixed Object	UNKNOWN
Power Generating Facility	Unknown	Npdes Compliance	Unknown
Pipeline Type	UNKNOWN	Dept Of Transportation	Unknown

EnviroCheck Radius Search Report

Surrounding Sites Details

		Regulated	
Pipeline Aboveground	ABOVE	**Exposed Underwater**	Unknown
Pipeline Covered	Unknown	**Grade Crossing**	No
Railroad Milepost	UNKNOWN	**Type Vehicle Involved**	UNKNOWN
Device Operational	Y	**Brake Failure**	N
Tank Aboveground	ABOVE	**Transportable Container**	Unknown
Tank Regulated	Unknown	**Allision**	No
Structure Operational	Yes		

Incident Details

Fire Involved	No	**Fire Extinguished**	Unknown
Any Evacuations	No	**Any Injuries**	Unknown
Any Fatalities	Unknown	**Any Damages**	No
Air Corridor Closed	N	**Waterway Closed**	No
Road Closed	No	**Major Artery**	N
Track Closed	No	**Medium Desc**	WATER
Additional Medium Info	BEAVER CREEK	**Release Secured**	Unknown
Desc Remedial Action	NONE	**Water Supply Contaminated**	U
Community Impact	N	**Additional Info**	CALLER STATES MATERIAL HAS NO HYDROCARBONS => NO CLEAN UP OPERATIONSREQUIRED.
Offshore	No		

Material Involved

Chris Code	NCC	**Amount Of Material**	1
Unit Of Measure	BARREL(S)	**Name Of Material**	PRODUCED WATER
If Reached Water	YES	**Amount In Water**	1
Unit Of Measure Reach Water	BARREL(S)		

EnviroCheck Radius Search Report

List of Unlocatable Sites

There are no unlocated sites that appear to have an impact on this property

EnviroCheck Radius Search Report

About This Report

The databases searched to compile the enclosed report are gathered from numerous federal, state and local governing environmental entities. All of the databases required to be searched by ASTM Standard E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process - Section 8.2, Standard Environmental Records Sources, have been included in this report, and searched to the required distances from the subject property. Additionally, EnviroCheck Solutions, Inc (ECS) has acquired other valuable databases and integrated them into this report in order to provide more valuable information to our clients regarding hazardous materials storage and release sites within a onemile radius from the subject property.

ECS has created a sophisticated data update system, keeping our report databases as current as possible (surpassing ASTM E1527 requirements). ECS consistently requests and updates data from each of the government agencies used to create this report. Depending on the type of database, records are updated at the agencies at varying intervals (daily, monthly, quarterly, semi-annually, or annually). An overall data update (including all available updates) is loaded into our specialized software on a quarterly basis.

It should be clearly understood that this database/map report lists only reported and accurately entered sites. Numerous sites have yet to be discovered and therefore are not yet listed by any governmental agency. The most effective way to determine if a site may be listed by a government agency in the future is by performing a Transaction Screen or Phase I Environmental Site Assessment, which include a professional site inspection and review of historical records. This radius report satisfies only one subsection requirement found within the ASTM Phase I Environmental Site Assessment reporting requirements. This report should not be considered a Phase I Environmental Site Assessment. If no sites are found for a database searched, the database and its description are excluded from the report details so as to report recorded sites only. Sites that include erroneous or incomplete address information may not show up on the report. Every attempt is made to include a listing of these unlocated sites in the report where there is a possibility of their impacting the subject property, but no guarantee can be made.

ECS has used a technology called Geocoding to locate the sites on the map. While this technology is the standard of care in the industry and is generally reliable for well formatted, complete and correct addresses, due to the limitations of this technology no guarantee of the accuracy of site placement can be made.

For specific data inquiries, interpretations or environmental consultation contact us via email at service@envirochecksolutions.com, or via telephone at 866-517-5513. A full summary of our firm, including services offered and pricing can be viewed at www.envirochecksolutions.com.

DISCLAIMER

ECS has researched and obtained certain State and Federal environmental databases (Data) to assist its client's in meeting the requirements of ASTM E 1527-13. ECS has obtained Data that is readily available and of adequate quality to be included in this report. As of the date of this report, there are certain Data that are either not yet available or are not of adequate quality and therefore are not included in this Report.

This report contains data obtained from multiple governmental agencies. EnviroCheck Solutions, Inc. cannot insure the accuracy of the enclosed information. ECS is in no way responsible for errors and/or omissions occurring in data, data conversion, or for the client's use of the information (report). ECS and its affiliates cannot be held liable for accuracy, storage, loss or expense suffered by customers resulting directly or indirectly from any data provided by ECS. No warranty expressed or implied is made in any way in connection with this report.

EnviroCheck Radius Search Report

Searched Databases

NPL: National Priority List Sites

Sites found on the NPL database or the Proposed NPL database. NPL sites are a special category among National Superfund (CERCLA) Sites listed in the EPA"s CERCLIS database. NPL sites are of serious, high concern and priority based on a national comparison to sites needing investigations and contamination cleanup activities (remediation). These sites, some of the worst in the nation, normally contain high levels of various contaminants that have spread over relatively long distances and usually require long term, highly expensive remediation technologies. Proposed NPL sites are of serious concern and are in the process of being evaluated for categorization as National Priority List sites. Delisted NPL sites have been removed (delisted) from the NPL if no further response or action is appropriate at the site, per EPA guidelines.

- **U.S. Environmental Protection Agency's National Priority List**
- **U.S. Environmental Protection Agency's Proposed National Priority List**

CORRACTS: Corrective Action Sites

CORRACTS is subsets of data found within the Federal RCRA database (RCRIS) or other state database. RCRA Corrective Action is the process by which areas at a hazardous waste facility are evaluated and, if necessary, are cleaned up. TSD facilities are often also listed as CORRACTS facilities.

- **U.S. Environmental Protection Agency's Corrective Action list**

TSD: Treatment, Storage and Disposal Sites

TSDs are subsets of data found within the Federal RCRA database (RCRIS) or other state database. TSD sites treat, store and/or dispose of hazardous materials and are federally permitted. TSD facilities are often also listed as CORRACTS facilities.

- **U.S. Environmental Protection Agency's Treatment, Storage and Disposal list**

DEFENSE: FUDS and DOD Sites

These sites are Formerly Used Defense Sites (FUDS) and Department of Defense (DOD sites). The U.S. Army Corps of Engineers and/or the U.S. Department of Defense is actively working or will be taking the necessary steps to address any cleanup activities needed on these properties.

- **Army Corps of Engineers' Formerly Used Defense Munition Response Sites Layer**
- **Army Corps of Engineers' Formerly Used Defense Munitions Response Area Layer**
- **Army Corps of Engineers' Formerly Used Defense Properties Layer**

BROWN: Brownfields Cleanup and Reuse Database

The U.S. Environmental Protection Agency (EPA) defines a Brownfield site as "real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant." Common examples of Brownfield sites are abandoned gas stations and dry cleaners, railroad properties, factories, and closed military bases. Brownfield sites are located throughout the country, and the U.S. EPA as well as state governments have compiled a listing of these sites. Voluntary Cleanup Program Sites are sometimes also included in this category.

- **Colorado Department of Public Health and Environment's Voluntary Cleanup Sites Database**

EnviroCheck Radius Search Report

Searched Databases

DEED: List of Deed Restrictions

The implementation of recorded land use restrictions within property deeds is one of the methods agencies use to protect the public from unsafe exposures to hazardous substances and wastes. Sites with deed restrictions are often contaminated, however levels of contaminants and methods used to control migration of contaminants are controlled and approved by the agency. These are also called Environmental Covenants or Use Restrictions

- Colorado Department of Public Healtth and Environment's Environmental Covenants List

CERCLIS: CERCLIS/Superfund Database

The below-listed sites are found on the CERCLIS database. The CERCLIS database contains information on hazardous waste sites, site inspections, preliminary assessments, and remediation of hazardous waste sites under CERCLA (Superfund). The database contains general information on sites including location, status, contaminants, and actions taken. This database includes those CERCLIS sites not included on the NPL or Proposed NPL databases. This includes sites determined to be "No Further Remedial Action Planned" (NFRAP) sites are contained within this database. NFRAP sites may be properties where, following an initial investigation, no contamination was found, contamination was removed quickly, or the contamination was not serious enough to require Federal Superfund action.

- U.S. Environmental Protection Agency's CERCLIS list
- U.S. Environmental Protection Agency's CERCLIS No Further Action list

CONTROLS: Institutional and Engineering Controls

U.S. EPA's and State Engineering Control Sites List and/or Institutional Control Sites List. The Engineering Control Sites list are facilities that have engineered controls in place, such as capping, containment, slurry walls, extraction wells and/or treatment methods that are intended to manage environmental and health risks by reducing contamination levels at a site, or limiting exposure pathways. The Institutional Control Sites list are administrative or legal devices, such as deed restrictions, to ensure that engineering controls stay in place and/or to ensure that land use restrictions stay in place.

- U.S. Environmental Protection Agency's Engineering Controls list
- U.S. Environmental Protection Agency's Institutional Controls list

LUST: Leaking Underground Storage Tanks

The below-listed sites are found on LUST databases. LUST records contain an inventory of reported leaking underground fuel storage tank incidents. Thousands of underground storage tanks have leaked within the United States, and both open and closed cases are reported on this list. These leaks can affect subsurface soils and groundwater. Both state and local agencies oversee and track these sites.

- Colorado Oil and Public Safety Division's Leaking Underground Storage Tank list
- U.S. EPA's Region 1 Leaking Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 10 Leaking Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 5 Leaking Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 6 Leaking Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 7 Leaking Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 8 Leaking Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 9 Leaking Underground Storage Tank list on Tribal lands

EnviroCheck Radius Search Report

Searched Databases

SWIS - Solid Waste Information System

The SWLF database contains information on solid waste facilities, operations, and disposal sites throughout the United States. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

- City and County of Denver Historic Landfill Database
- Colorado Deparment of Public Health and Environment's Landfill list

HAZMAT: Hazardous Materials Storage and Incident Records

Data is gathered from local fire and health departments where available. This data includes information on hazardous materials storage, use and disposal sites as well as incident reports, hazardous materials inventory and business plan documents, spills and releases.

- Drug Enforcement Administration's Clandestine Drug Labs List
- U.S. Environmental Protection Agency's Toxics Release Inventory Database

ERNS: Emergency Response Notification System

Sites listed as having a reported release of oil and hazardous substances that have been called into the Federal and/or state agencies. Minor to major spills are reported and these cases are sometimes turned over to other regulatory agencies for further investigation.

- Office of Hazardous Materials' Hazardous Materials Incident Database, 1993-2004
- Office of Hazardous Materials' Hazardous Materials Incident Database, 2005-2006
- Office of Hazardous Materials' Hazardous Materials Incident Database, 2007-2008
- Office of Hazardous Materials' Hazardous Materials Incident Database, 2009
- Office of Hazardous Materials' Hazardous Materials Incident Database, 2010
- Office of Hazardous Materials' Hazardous Materials Incident Database, 2011
- Office of Hazardous Materials' Hazardous Materials Incident Database, 2012
- Office of Hazardous Materials' Hazardous Materials Incident Database, 2013
- U.S. EPA and National Response Center's 1987-1988 Emergency Response Notification System list
- U.S. EPA and National Response Center's 1989 Emergency Response Notification System list
- U.S. EPA and National Response Center's 1990 to 2005 Emergency Response Notification System list
- U.S. EPA and National Response Center's 2006 Emergency Response Notification System list
- U.S. EPA and National Response Center's 2007 Emergency Response Notification System list
- U.S. EPA and National Response Center's 2008 Emergency Response Notification System list
- U.S. EPA and National Response Center's 2009 Emergency Response Notification System list
- U.S. EPA and National Response Center's 2010 Emergency Response Notification System list
- U.S. EPA and National Response Center's 2011 Emergency Response Notification System list
- U.S. EPA and National Response Center's 2012 Emergency Response Notification System list

GENERATOR: Small and Large Hazardous Materials Generators

GENERATORS is a subset of data found within the Federal RCRA database (RCRIS) or other state GENERATORS list. RCRA GENERATORS are federally permitted generators of varying amounts of hazardous materials. A listing on the GENERATOR database does not directly indicate a release has occurred, only that the site generates hazardous materials.

- U.S. Environmental Protection Agency's Hazardous Waste Generator list

EnviroCheck Radius Search Report

Searched Databases

UST: Underground Storage Tank Sites

The databases include permitted active, inactive and closed UST facilities recorded with the below mentioned agencies. A listing on the UST databases does not directly indicate a release has occurred, only that the site currently or historically contained an underground storage tank.

- Colorado Oil and Public Safety Division's Storage Tank list
- U.S. EPA's Region 1 Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 10 Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 4 Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 5 Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 6 Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 7 Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 8 Underground Storage Tank list on Tribal lands
- U.S. EPA's Region 9 Underground Storage Tank list on Tribal lands

AST: Aboveground Storage Tank Facilities

Permitted active, inactive and closed AST facilities recorded with the state or local agencies are included. A listing on the AST database does not directly indicate a release has occurred, only that the site currently or historically contained an aboveground storage tank.

- Colorado Oil and Public Safety Division's Storage Tank list

EMISSIONS: Air Emissions Sites

Sites found on various air emissions databases like dry cleaners and related facilities that have air emissions permits with the state and/or local air quality district.

- Colorado Department of Public Healtth and Environment's CAIS Database

HAZNET: Hazardous Waste Information System

HAZNET databases track hazardous materials from "cradle to grave". Some of the sites listed are licensed transportation companies but most are facilities that have had hazardous materials transported off the site or have received hazardous materials

- California Department of Toxic Substance Controls's Hazardous Waste Transportation System 1993-2012 Tanner List. Includes Nationally relevant data!
- New Jersey Dept of Environmental Protection's Manifest Database

1000 Airport Rd - Google Maps

Imagery ©2014 Google, Map data ©2014 Google 2000 ft

1 of 1 8/11/2014 5:38 PM

Appendix C: Site Photographs Taken During Reconnaissance Survey

Photograph 1. Airport AVGAS Tanks

Photograph 2. Airport AVGAS Tank Dispenser area

Photograph 3. Airport hangars and "green box" transformers

Photograph 4. Airport boneyard

Photograph 5. Airport boneyard

Photograph 6. Airport boneyard

Photograph 7. Dump in arroyo

Photograph 8. Stormwater outlet near southwest corner of airport

Appendix D: Qualifications of the Environmental Professional

KEITH FOX

ENVIRONMENTAL SCIENTIST & PROJECT MANAGER

776 E. Second Avenue
Durango, CO 81301
fox@ecosphere-services.com
(970) 382-7256

QUALIFICATIONS SUMMARY

Keith Fox brings two decades of experience in the environmental/regulatory compliance field to the Ecosphere team. For over 16 years, Keith has performed environmental compliance work for public and private sector clients in the western United States, working extensively on electric power transmission line projects in Colorado, New Mexico, and California. He also provides consulting services for the oil and gas and mining industries in the Four Corners region. Areas of environmental consulting expertise include:

- Environmental Compliance and Permitting, particularly National Environmental Policy Act (NEPA), Clean Water Act (CWA) and Resource Conservation and Recovery Act (RCRA)
- Due Diligence review/Phase 1 and Phase 2 Environmental Site Assessments
- Health and Safety
- Soil and Groundwater Contamination
- Electricity Transmission and Distribution Utilities
- Renewable Energy
- Extractive industries (oil and gas, mining)Transportation Sector (government and private sector)
- Real Estate/Financial Institutions
- Water and Waste Water Utilities

Years Experience: 22

Years w/Ecosphere: 8

Trainings • Certifications • Professional Affiliations

HAZWOPER 40 Hour Training, current with 8 Hour Refresher ▪ 1990

HAZWOPER 24 Hour Site Supervisor Training ▪ 1992

MSHA 24 Hour Surface Coal Miner Training ▪ 2011

EDUCATION

Organic Chemistry, MS — 1990
University of New Mexico, Albuquerque

Chemistry, BA — 1987
University of Colorado, Boulder

PROFESSIONAL EXPERIENCE

Ecosphere Environmental Services — 2003 – Present
Durango, Colorado

Plateau Environmental Services, Inc. — 1995 – 2004
Durango, Colorado

New Mexico Environment Department — 1990 – 1995
Albuquerque, New Mexico

REPRESENTATIVE PROJECT EXPERIENCE

Transmission Line Permitting Project Experience

For the past five years, Mr. Fox has focused his project work on electric power transmission line projects in Colorado, New Mexico, and California. The projects have included transmission line siting constraints and opportunity analysis for major transmission line right of way (ROW) projects, NEPA documentation for ROW grants and construction projects on federal and private lands, and NEPA documentation for ROW projects (transmission lines and distribution lines) for projects on the Southern Ute Indian Reservation. For these projects, Mr. Fox was the project manager and primary author for the documents, and provided research and analysis for technical sections. Specific projects and clients include:

- Project manager and primary author for NEPA documentation for LE1 Transmission Line and Substation project for El Paso Electric Company. The LE1 transmission line project requires NEPA document preparation for a 14-mile transmission line construction project crossing a combination of public (BLM and NM State Land Office) and private lands in Doña Ana County, New Mexico. Leading development of the Environmental Assessment (EA) to evaluate environmental impacts to biological, physical, social, and economic elements of the environment and preparation of the Certificate of Public Convenience and Necessity (CCN) and local permitting for the project.
- Project manager and technical lead for preparation of an Environmental Assessment for a 36-mile transmission line reauthorization project as a third party NEPA contractor for the San Juan National Forest and Tri State Generation and Transmission Association. Project activities included field evaluation of proposed access routes, preparation of Construction, Operation and Maintenance Plan, coordination of contractors and preparation of EA and associated technical reports.
- Project manager, technical editor, and primary author for an Environmental Summary Report for a 65-mile transmission line project associated with a proposed Tessera Solar power plant in San Bernardino, California. The Environmental Summary Report described the affected environment for all social, socioeconomic, and physical resources present within the project area, and provided a general description of the potential impacts of the proposed project on each resource.
- Technical lead and primary author for preparation of an opportunity and constraints analysis for the proposed Tri-State Generation and Transmission Association - San Juan Basin Energy Connect project. The proposed project is an 80-mile 230 kV transmission line located in northwest New Mexico and southwest Colorado. The report analyzed constraints and opportunities for construction of the transmission line utilizing publicly available Geographic Information System data and existing utilities and infrastructure.
- Project manager and primary author for an Environmental Assessment (EA) prepared as a BLM third party contractor for a Tri-State Generation and Transmission Association 16-mile transmission line project in southwest Colorado (under sub contract to View Point West, Montrose, Colorado). Evaluated resource impacts and current management emphasis for all BLM sections of the project. Managed permitting process through BLM and compiled and edited project Plan of Development (POD).
- Project manager and primary author for an EA for a La Plata Electric Association – 4-

mile transmission line construction project on the Southern Ute Indian Reservation, Ignacio Colorado. The EA was prepared for the Bureau of Indian Affairs, Southern Ute Agency, with review by the Southern Ute Indian – Department of Natural Resources.

- Archuleta County Transmission Line Feasibility Project (constraints analysis) – La Plata Electric Association and Tri State Generation and Transmission Association (under sub contract to View Point West, Montrose, Colorado).
- Technical review for an EA and BA for the Kinder Morgan – Blanco Compressor Station, 23-mile transmission line project. The project was located in northwest New Mexico, and it traversed a combination of public and private lands. Primary approval for the project was from the Bureau of Land Management in the form of a Right-of-Way grant for construction and operation of the transmission line on public lands.

NEPA Compliance/Document Preparation

- Project manager and primary author for Environmental Assessment (EA) for a Kinder Morgan mineral resource (CO2) development project within Canyons of the Ancients National Monument; Montezuma County, Colorado.
- Primary author and project manager for Pagosa Area Water and Sanitation District – Highlands Lagoon sewer project. Prepared EA and technical review for BA and Clean Water Act permit for 7-mile sewer line construction project; Archuleta County, Colorado.
- Project Manager for 181 square miles BP America seismic exploration project completed on BLM, state and private land in NW New Mexico – 2004 and 2005. Principal author for the EA—describing the project and potential impacts of the project to critical elements of the natural environment. Supervisor for the 10-member biological survey team that provided threatened and endangered and sensitive species surveys for the proposed project area, and biological compliance during project implementation. Managed team health and safety activities and represented environmental team at project progress meetings.
- Primary author for an EA for the Rock Creek Second Addition Project; Town of Ignacio, Colorado. Mr. Fox completed resource investigations and prepared the EA following federal NEPA requirements. The EA evaluated the resources present in the 30-acre project area and resources surrounding the area. Specific resource issues included potential wetland areas present at the site; potential historic irrigation ditch structures; and noise and visual issues associated with the construction of the proposed project. Consultation with the US Army Corps of Engineers and the State Historic Preservation Office (SHPO) was performed to ensure project compliance with the federal regulations.

Due Diligence

- Completed Phase 1 Environmental Site Assessments (ESA) for over 100 real estate transaction projects in Colorado and New Mexico. Property sizes range from small commercial parcels to thousand acre ranches.
- Managed and the primary author for a Phase 1 ESA for the Rocky Mountain Oil Testing Center/Naval Petroleum Reserve #3 facility in Casper, Wyoming. Under contract to the Department of Energy, a Phase 1 ESA was completed on the 10,000-acre facility in compliance with ASTM 1527-05 standard. Fieldwork was completed with a staff of 6 field crew members, all inspection data was collected electronically and input into a priority matrix for ease of data review and analysis. Project was completed in support of property transfer plans for the facility.

Health and Safety

- Health and Safety Coordinator for Ecosphere Environmental Services – 2004 to present. Coordinate all health and safety training, documentation and compliance. Attend safety meetings and trainings, maintain company safety program, and perform routine internal and subcontractor safety audits.
- Completed industrial health and safety inspections at heavy equipment shops located throughout New Mexico. The inspections covered all aspects of facility compliance with local and federal fire regulations, state, and federal OSHA regulations and general environmental compliance. Inspections were performed quarterly and followed up with verbal and written reports to the local facility managers and client health and safety officer.

Soil, Groundwater, and Air Contamination

- Self employed environmental consultant (1995 – 2004), contracting for approximately 30 hours per week on soil, groundwater, and air contamination issues, UST investigations and reclamations, Phase 1 and 2 Environmental Site Assessments (ESAs) and NEPA compliance work in the Four Corners area. Projects included investigation and reclamation activities at LUST sites; groundwater flow monitoring and sampling as part of an oil and gas development impact study and coordination and analysis of indoor air quality sampling at a solvent impacted public facility. Phase 2 investigation activities included soil and water sampling and radiation screening for private and public sites developed with Uranium mill tailings material.
- Project Manager for numerous petroleum product contamination investigation and remediation sites located in southwest Colorado. Completed soil and groundwater sampling activities to document the extent and magnitude of soil and groundwater contamination as required by Colorado Petroleum Storage Tank Regulations. Prepared and implemented soil and groundwater reclamation plans to address contamination issues and to avoid risk and exposure to the public as a result of hydrocarbon spills and releases.
- Project manager for investigation and reclamation activities at a Colorado Voluntary Cleanup Program site located in southwest Colorado. Completed initial response and immediate investigation and emergency response activities for a solvent spill at a commercial facility. Coordinated and supervised investigation activities and short and long term reclamation of contaminated soils. Prepared groundwater contamination investigation report documenting on site and off site levels of contamination. Assisted in the design and implementation of a groundwater reclamation strategy. Performed long term monitoring and implementation for reclamation of contaminated groundwater. Performed indoor air monitoring at residences adjacent to the project area, to assure no public health exposure limits were being exceeded due to the shallow groundwater contamination.

Krista Dearing, RG

Senior Geologist/Project Manager

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Phoenix, AZ 85045

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(623) 910-6898

QUALIFICATIONS SUMMARY

Krista Dearing is a senior geologist and project manager possessing extensive experience in environmental geology projects, hydrogeological investigations, and environmental compliance. Her strengths include being a strategic, intellectual, focused researcher with in-depth experience in field techniques and data interpretation; capable of maximizing investigations for efficiency and best results. She is diplomatic, social, versatile team player, flexible, and knowledgeable.

EDUCATION

Geology, MS — 1993
University of Cincinnati, Cincinnati, Ohio

Geology, BS — 1991
University of Cincinnati, Cincinnati, Ohio

PROFESSIONAL EXPERIENCE

Ecosphere Environmental Services — 2014 – Present
Durango, Colorado / Phoenix, Arizona

Tetra Tech, Inc. — 2006 – 2014
Phoenix, Arizona

Miller Brooks Environmental, Inc. — 2004 – 2006
Phoenix, Arizona

SWCA — 2002 – 2004
Phoenix, Arizona

Parsons Group — 1999 – 2002
Cincinnati, Ohio / Phoenix, Arizona

Dames & Moore Group — 1993 - 1999
Cincinnati, Ohio

Years of Experience: 21

Years w/Ecosphere: <1

Trainings • Certifications • Professional Affiliations

OSHA 1910.120 40-Hour HAZWOPER Training

OSHA 1910.120 8-Hour Supervisory Training

MSHA Part 46 24-Hour Training

RCRA Hazardous Waste Management

DOT Hazardous Waste Materials Transport

American Institute of Professional Geologists (AIPG)

Society of Mining, Metallurgy, and Exploration (SME)

Arizona Hydrological Society (AHS)

Arizona Mining and Industry Get Our Support (AMIGOS)

Arizona Registered Geologist No. 41784

REPRESENTATIVE PROJECT EXPERIENCE

Representative Mining, Hydrogeology, and Remediation

- Project Manager for Oracle Ridge Mining (ORM) LLC Environmental Permitting and NEPA Analysis, Tucson, AZ. Responsible for supporting the ORM Feasibility Study and Mine Closure Plan, preparing NEPA EIS documentation, Aquifer Protection Plan (APP) Significant Amendment, CWA 404 permit application, as well as all environmental permitting/consultation required by local, state, and federal agencies.
- Project Manager for Characterization and Reclamation of a Former Smelter Site is Pinal County, Arizona. Prepared Sampling and Analysis Plan (SAP), conducted soil survey to characterize the nature and extent of RCRA metals in soil in and around the approximately 200-acre site, evaluated soil analytical data to determine if a Risk Assessment was necessary, developed and implemented detailed reclamation procedures, prepared Closure Plan.
- Project Manager, Bureau of Indian Affairs, Acid Mine Drainage Study to evaluate regional groundwater quality related to acid mine drainage from the United Verde Mine located in Jerome, Arizona. The study included the evaluation of heavy metals in the sediment of Bitter Creek, which bisects Yavapai-ApacheTribal land; the analysis of drinking water from several domestic wells; and evaluation of regional groundwater quality.
- Hydrologist, Exelon Generation, Victoria, Texas, U.S. Nuclear Regulatory Commission Combined Operating License Environmental Report. Prepared groundwater and surface quality characterization sampling and analysis plan (SAP), lead field team to conduct quarterly water quality data to be included in Exelon's NEPA Environmental Report.
- Project Manager, Shell Oil Products, Sarawak, Malaysia, Borneo. Lead the environmental restoration of Shell Malaysia's 115-acre Lutong Refinery. Relocated to Malaysia for 1 year; prepared the remedial action plan (RAP); oversaw preparation of USEPA Tier II risk assessment to establish site-specific risk-based cleanup levels for total petroleum hydrocarbon-contaminated soil and groundwater; prepared the quality assurance project plan and sampling and analysis plan (QAPP/SAP) and project execution plan; and obtained all required permits. Site restoration included the demolition of remaining refinery structures, and land farming (bioremediation and aeration) of contaminated soil and groundwater.

Representative NEPA

Project Manager for the following Applicants' Environmental Report (ER) – U.S. Nuclear Regulatory Commission (NRC) Operating License Renewal Stage in accordance with NRC 10 CFR Part 51 and NEPA:

- Palo Verde Nuclear Generating Station (PVNGS), Arizona
- Perry Nuclear Generating Station, Perry , Ohio
- LaSalle Nuclear Generating Station, Central Illinois
- Byron and Braidwood Generating Stations; Exelon; Central Illinois
- Callaway Unit 1 Nuclear Power Plant, Fulton, Missouri
- South Texas Project (STP) Nuclear Generating Station, Bay City, Texas

Managed and/or supported various federal agency NEPA Environmental Impacts Statements (EIS) including:

- Federal Aviation Administration and the State of New Mexico, Spaceport America NEPA EIS.
- Bureau of Indian Affairs: EIS for the Land Title Transfer of 1,200 acres of fee land to the United States in trust for the Yavapai-Apache Nation, Camp Verde, AZ.
- National Parks Service: EIS for the Colorado River, Grand Canyon Reach, to update the 1989 Colorado River Management Plan.
- Federal Energy Regulatory Commission: EIS for an underground natural gas storage facility including a 45-mile natural gas pipeline corridor in Kingman, Arizona.
- U.S. Fish and Wildlife Service: EIS's and Comprehensive Conservation Plans for the Desert National Wildlife Refuge and four other National Wildlife Refuges in southern Nevada.

APPENDIX G

FELSBURG HOLT & ULLEVIG

connecting and enhancing communities

August 31, 2016

MEMORANDUM

To: Ms. Colleen Cummins, Jviation

From: Lyle DeVries, PE, PTOE
Shea Suski, AICP

Re: DRO Environmental Assessment
Initial Traffic Analysis Findings
FHU Reference No. 115443-01

FHU has completed preliminary traffic analyses associated with the proposed Durango-La Plata County Airport (DRO) alternatives included in the airport's 2016 Master Plan. The Master Plan identified three alternatives for the future of DRO. Alternatives 1 and 2 would retain a terminal on the west side of the runway, respectively either by renovation or new construction, and Alternative 3 would construct a new terminal on the east side of the runway. Alternative 3 was identified as the Preferred Alternative in the Master Plan.

This memorandum describes existing and future traffic conditions, including daily and peak hour traffic volumes and Levels of Service (LOS) at two intersections with State Highway (SH) 172: County Roads (CR) 309 and 338. Existing LOS is also provided for the intersection of CR 309/CR 309A. Weekday and Saturday peaks are examined in order to capture variations in airport traffic.

Summary of Findings

An analysis of existing peak hour traffic counts conducted in early June 2016 revealed all movements at the three analysis intersections – SH 172/CR 309, SH 172/CR338, and CR 309/CR 309A – operate at LOS B or better.

Using historical traffic and enplanement growth data along with Year 2035 enplanement forecasts provided by the Master Plan, existing peak hour turning movements were projected to the Year 2040 for the two intersections along SH 172 for the three terminal alternatives (which include a new south leg to the SH 172/CR 338 intersection to provide access to DRO) and a "No Action" condition. Year 2040 forecasts were developed by extending 2035 Master Plan forecasts as continued straight-line growth. The "No Action" analysis revealed all movements would continue operating at LOS B or better during peak hours, with the exception of the northbound left turn at SH 172/CR 309 operating at LOS C during weekday peak hours. These same conditions were generally found to exist at this intersection for Alternatives 1-3. If the SH 172/CR 309 intersection remains a full movement intersection, the northbound left turn at the SH 172/CR 338 intersection would operate between LOS C and D during peak hours, while converting SH 172/CR 309 to a right-in/right-out (RIRO) would cause these movements to operate between LOS E and F during

weekday peak hours. Operations for this movement may be improved by installing a left turn acceleration lane. A more detailed description of the conditions described above are provided in the remainder of this memorandum.

Existing Conditions

Existing traffic volume data were gathered on June 9-11 of 2016, a Thursday-Saturday during a higher-than-average time of year for DRO traffic according to historical monthly enplanement, deplanement, and parking revenue data provided by the Airport. Daily traffic volumes were recorded along nine roadway segments in the vicinity of DRO. Weekday AM and PM peak and Saturday peak hour turning movements were recorded at the intersections of SH 172 and both CR 309 and CR 338. The main airport access intersection of CR 309 with CR 309A was also recorded, allowing for clear identification of main terminal, General Aviation (GA), and local office traffic.

Daily traffic counts show that SH 172 west of CR 309 currently carries over 7700 vehicles per day (vpd) on weekdays and nearly 6000 vpd on a Saturday. Approximately 2750 vpd utilize CR 309 to access the DRO terminal, GA and other uses. **Figure 1** depicts current traffic volumes.

Traffic operations within the study area were evaluated according to techniques documented in the *Highway Capacity Manual* (Transportation Research Board, 2010) using the existing traffic volumes, intersection geometry, and traffic control. Level of Service (LOS) is a qualitative measure of traffic operational conditions based on roadway capacity and vehicle delay. LOS is described by a letter designation ranging from A to F, with LOS A representing almost free-flow travel, while LOS F represents congested conditions. For stop-sign controlled intersections, LOS is calculated for each movement that must yield the right-of-way. **LOS D is typically considered to be acceptable for peak hour intersection operations**.

As shown on **Figure 1**, movements at each of the three analyzed intersections operate at LOS A or B during peak hours.

Future Conditions

Year 2040 traffic volume forecasts were developed using DRO enplanement growth projections made available by Jviation and knowledge of historical growth patterns along area roadways. Enplanement forecasts indicate that passenger traffic will increase to more than double current levels by 2035, and 2040 traffic forecasts were developed by extending this growth beyond 2035 in linear fashion. Traffic along SH 172 is forecast to grow by nearly 40 percent over current levels. **Figure 2** depicts projected Year 2040 daily and peak hour traffic volumes. SH 172 traffic levels are anticipated to exceed 12,000 vpd west of CR 309.

No Action

The forecasts shown on **Figure 2** represent a “No Action” condition of no changes to the existing DRO facility while growth at the airport continues. As shown, intersection movements are expected to remain at LOS B or better by the Year 2040. One exception is the peak hour left turn movement from CR 309 onto SH 172, which is expected to operate at LOS C during weekday peak hours compared to LOS B today.

Alternatives 1 and 2 – West Side Terminal

Alternatives 1 and 2 involve improving the existing terminal or replacing it at or near its current location. Both alternatives would keep the terminal on the west side of the runway and reconfigure

airport access from SH 172 by adding a south leg to the intersection at CR 338 and limiting the existing SH 172/CR 309 intersection to Right-in/Right-out movements only. Growth in activity at DRO by the Year 2040 would continue at the same pace analyzed as part of the "No Action" condition. **Figure 3** depicts projected traffic volumes and operational conditions associated with this option. As shown, all movements would operate at LOS C or better, with the exception of left turn movements entering SH 172 at its intersection with CR 338 during the weekday AM and PM peak hours operating at LOS E and LOS F, respectively. Analyses indicate that LOS for left turns onto SH 172 could be improved to LOS C or better by the addition of a left turn acceleration lane. Construction of a left turn acceleration would increase the overall intersection footprint. If such an impact cannot be accommodated, consideration could be given to improving operations with signalization or a different intersection configuration such as a roundabout.

Alternative 3 – New East Side Terminal

Figures 4a-4c represent forecasted traffic conditions with a new terminal constructed east of the runway – Alternative 3. This alternative also assumes reuse of the existing terminal building by an airport-related business. Trips generated by this user were estimated using the Institute of Transportation Engineers' (ITE) *Trip Generation Manual: 9th Edition* trip generation rates for General Light Industrial uses. Growth in activity at DRO by the Year 2040 would continue at the same pace analyzed as part of the "No Action."

There are three options identified for accessing a new east side terminal. Two options assume the same addition as Alternatives 1 and 2 of a new south leg to the intersection of SH 172 with CR 338. **Figure 4a** depicts the SH 172/CR 309 intersection converted to a RIRO, while **4b** depicts the intersection remaining as a full movement intersection. **Figure 4c** depicts the option of providing no new connection to SH 172 and serving the east side terminal via the existing intersection of SH 172 with CR 309.

Traffic operations results associated with these variations are described as follows:

- **SH 172/CR 309 Right-in/Right-out (Figure 4a)**: Conversion of the SH 172/CR 309 intersection to RIRO would place additional pressure on the new CR 338 approach to SH 172, and operations would deteriorate to LOS E/F for the northbound left turn movement during weekday peaks.

- **SH 172/CR 309 Full Movement (Figure 4b)**: SH 172/CR 309 remaining as a full movement intersection would balance traffic fairly evenly between the CR 309 and CR 338 intersections and LOS for left turn movements entering SH 172 would operate at LOS D or better during all peaks. This option would eliminate the need for a connection between the east and west sides of the runway. Analyses indicate that LOS for left turns onto SH 172 could be improved to LOS C or better by the addition of a left turn acceleration lane. Construction of a left turn acceleration would increase the overall intersection footprint. If such an impact cannot be accommodated, consideration could be given to improving operations with signalization or an alternative intersection configuration such as a roundabout.

- **No New Connection to SH 172 (Figure 4c)**: Providing access to the east side terminal using only the existing SH 172/CR 309 intersection would provide operational conditions similar to the No Action Alternative analyzed in **Figure 2**, with one difference being increased traffic demand along CR 309A through the Runway Protection Zone (RPZ). As

shown on **Figure 3c**, daily traffic forecasts along this section of roadway would exceed 5,000 vpd. The typical capacity of a two-lane roadway is approximately 16,000 vpd. Therefore, at this forecasted traffic volume CR 309A through the RPZ would continue to function acceptably as a two-lane roadway.

Further discussion of these findings is anticipated to occur at upcoming project meetings. Please feel free to contact Lyle DeVries or Shea Suski should any questions arise.

Enclosures: Figures 1, 2, 3, and 4a-4c

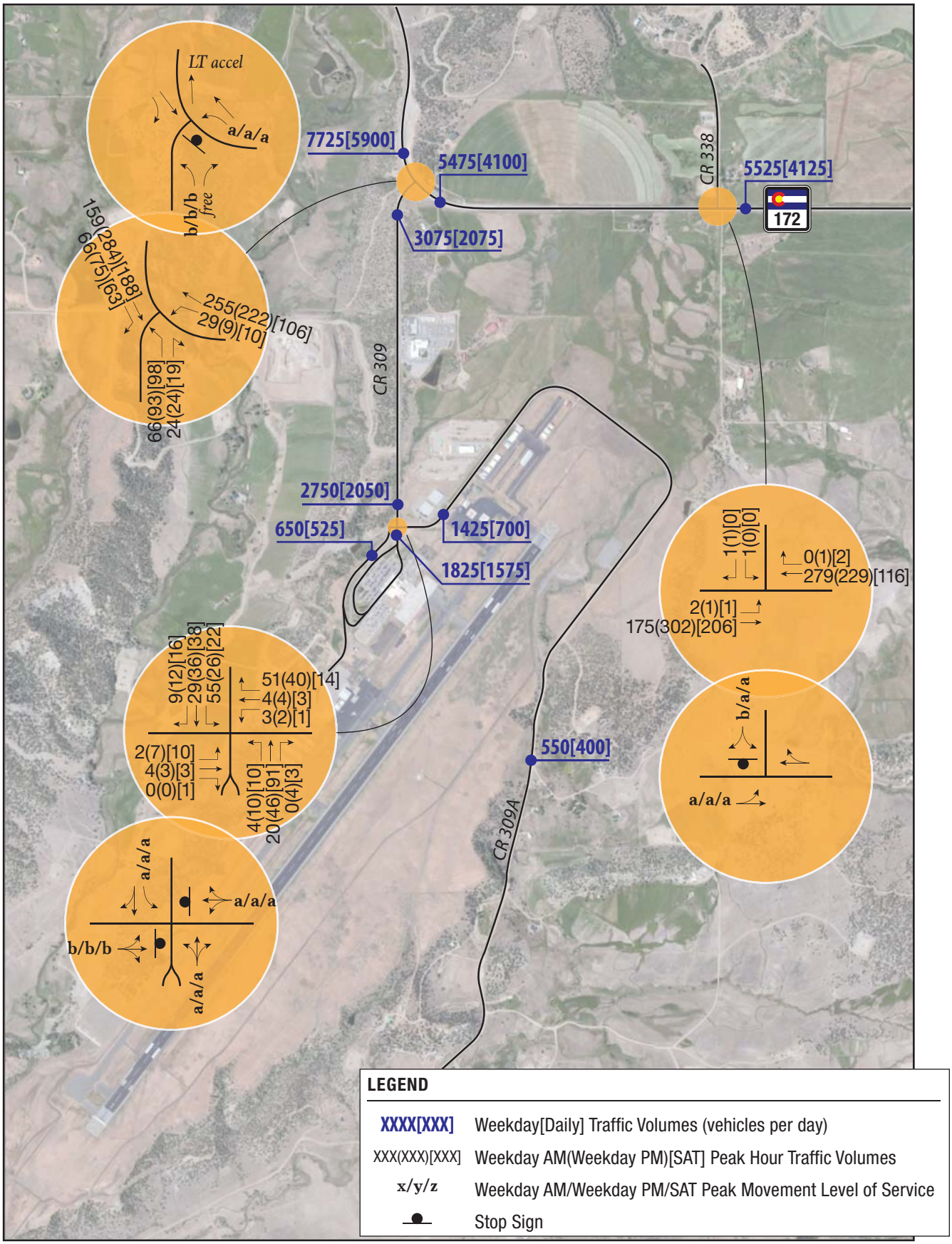

Figure 1
Existing Traffic Conditions

FELSBURG HOLT & ULLEVIG

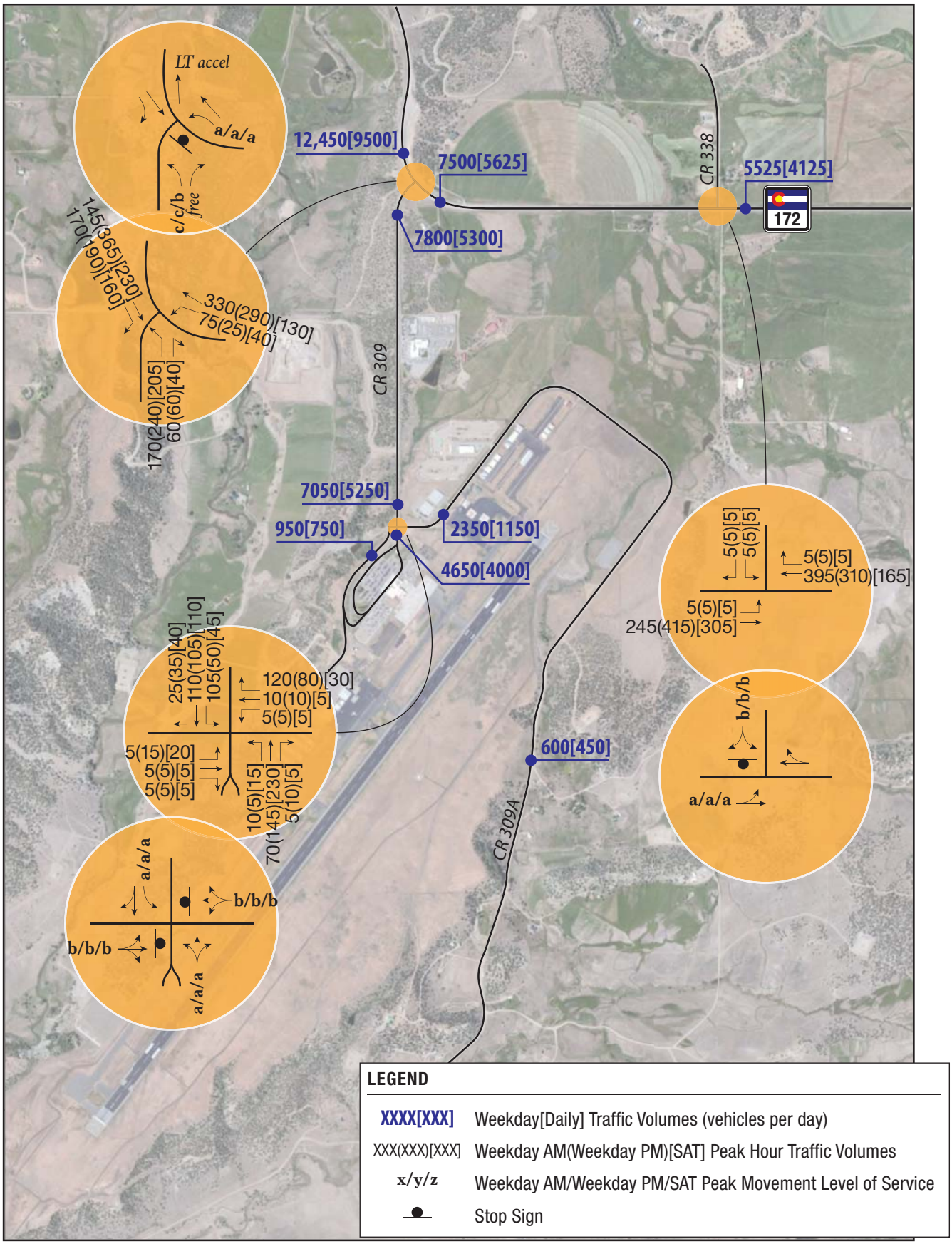

Figure 2

Year 2040 No Action Traffic Conditions

FELSBURG HOLT & ULLEVIG

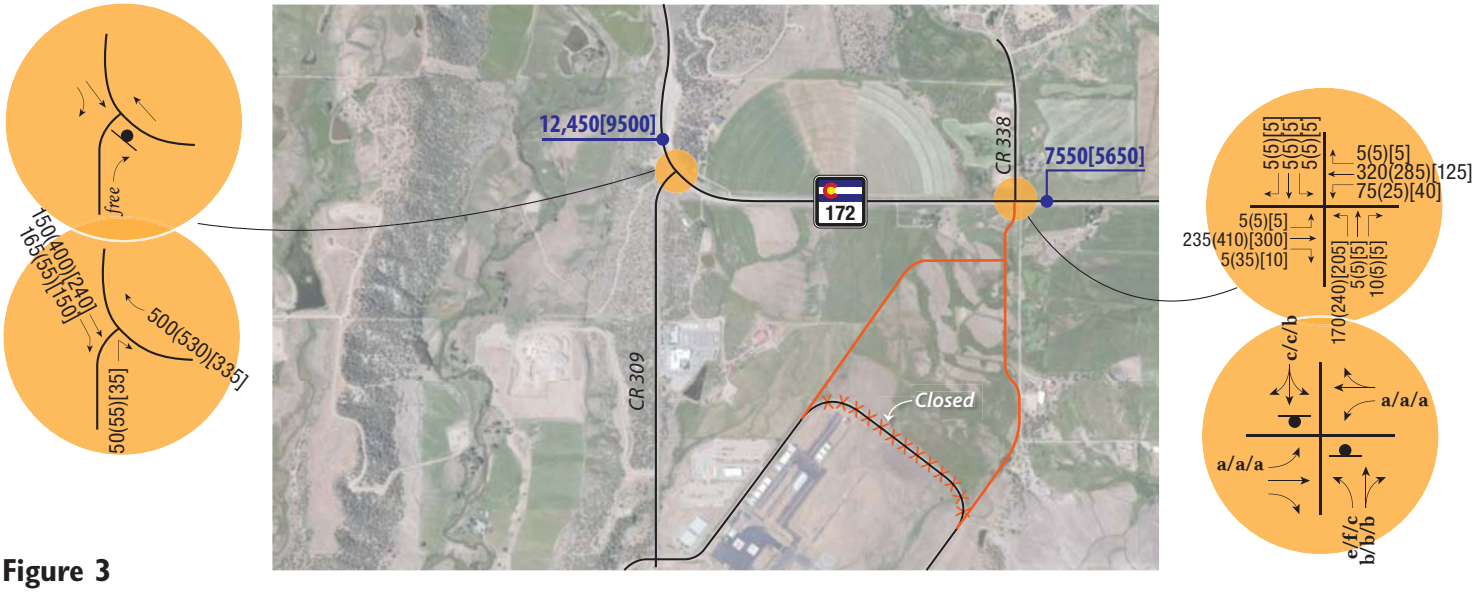

Figure 3
SH 172/CR 309 RI/RO Intersection

LEGEND

XXXX[XXX]	Weekday[Daily] Traffic Volumes (vehicles per day)
XXX(XXX)[XXX]	Weekday AM(Weekday PM)[SAT] Peak Hour Traffic Volumes
x/y/z	Weekday AM/Weekday PM/SAT Peak Movement Level of Service
	Stop Sign
	New Roadway

Figure 3
Westside Terminal SH 172 Access Options - Year 2040 Traffic Conditions

FELSBURG HOLT & ULLEVIG

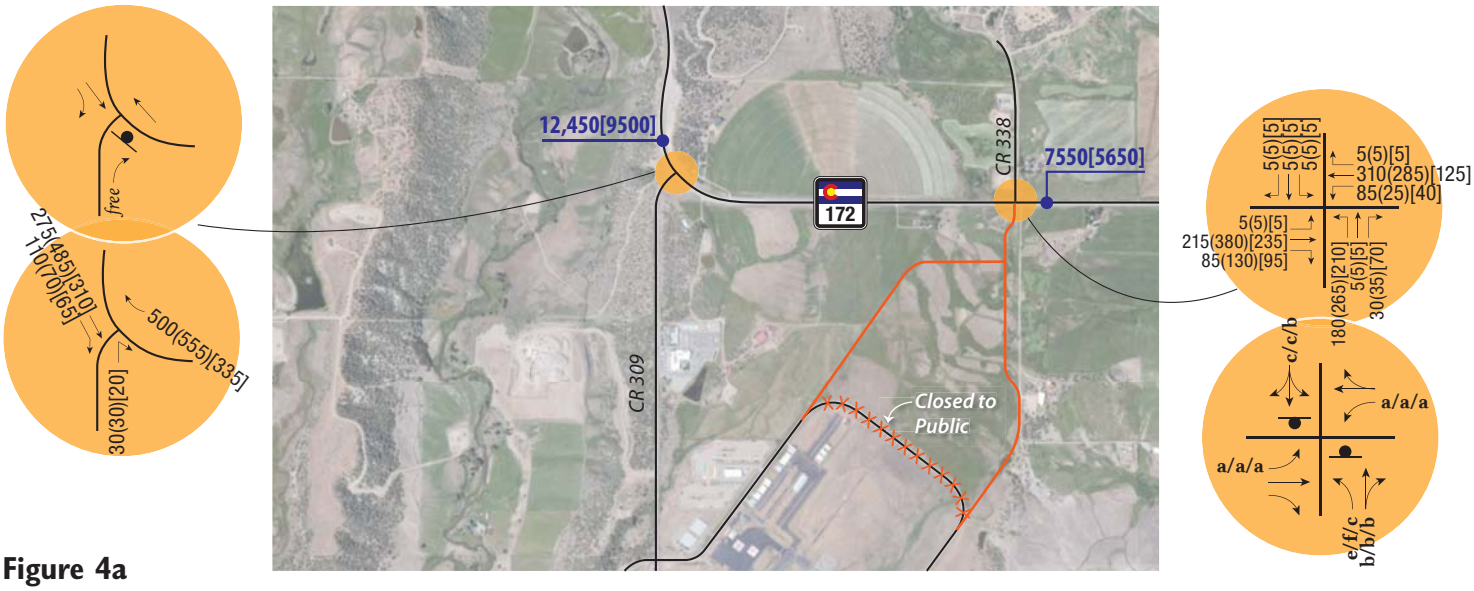

Figure 4a

SH 172/CR 309 RI/RO Intersection

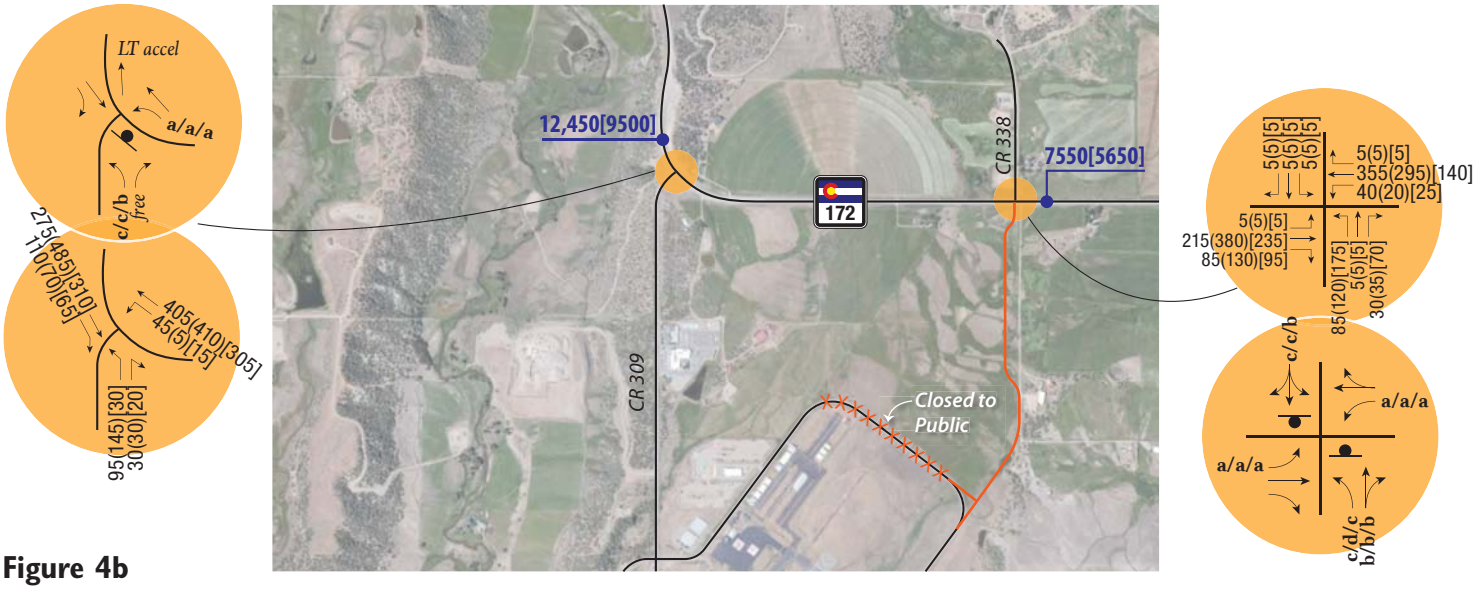

Figure 4b

SH 172/CR 309 Full Intersection

LEGEND

XXXX[XXX]	Weekday[Daily] Traffic Volumes (vehicles per day)
XXX(XXX)[XXX]	Weekday AM(Weekday PM)[SAT] Peak Hour Traffic Volumes
x/y/z	Weekday AM/Weekday PM/SAT Peak Movement Level of Service
	Stop Sign
	New Roadway

Figure 4

Eastside Terminal SH 172 Access Options - Year 2040 Traffic Conditions

FELSBURG HOLT & ULLEVIG

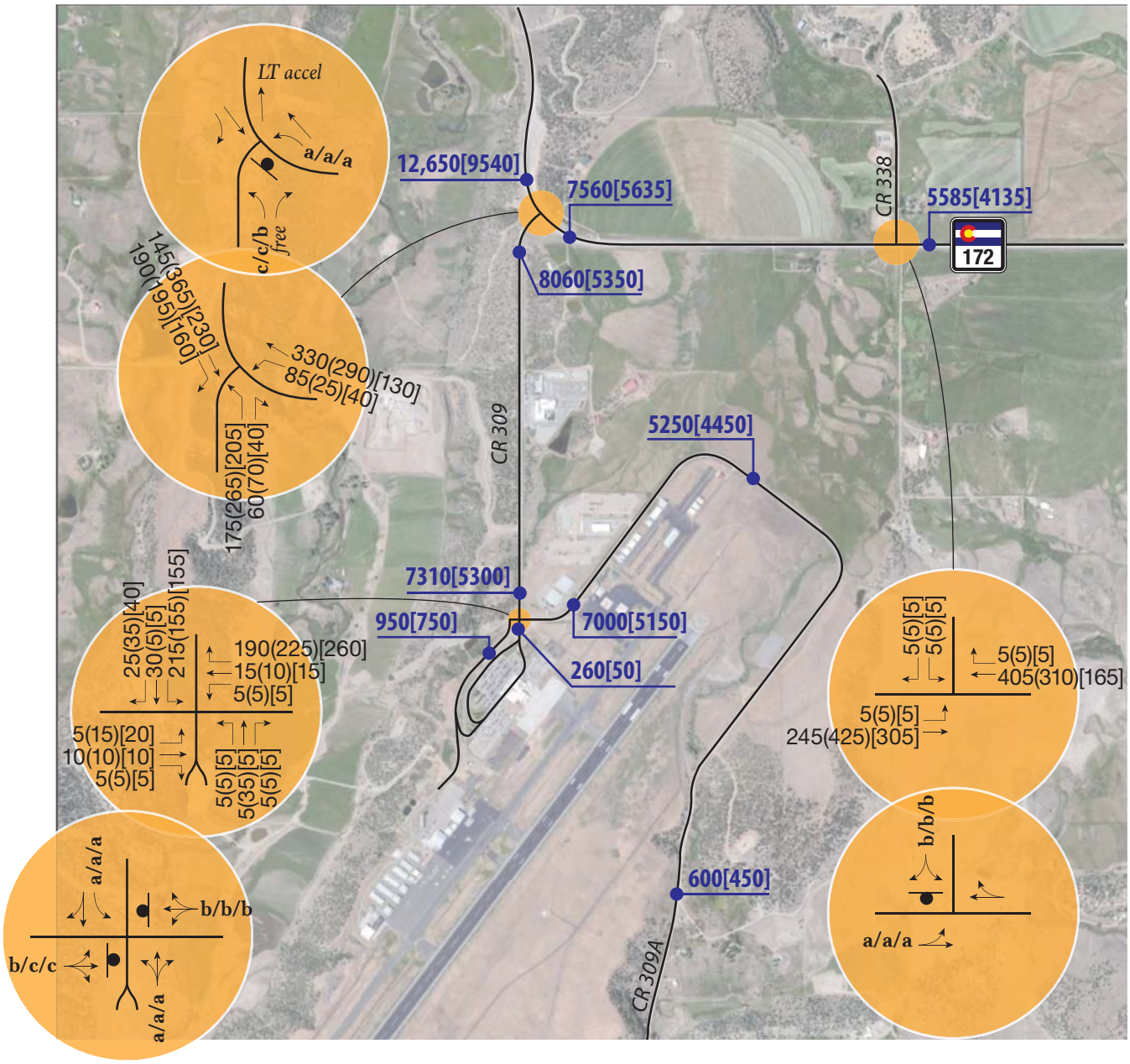

Figure 4c
No New Connection to SH 172

LEGEND	
XXXX[XXX]	Weekday[Daily] Traffic Volumes (vehicles per day)
XXX(XXX)[XXX]	Weekday AM(Weekday PM)[SAT] Peak Hour Traffic Volumes
x/y/z	Weekday AM/Weekday PM/SAT Peak Movement Level of Service
	Stop Sign
	New Roadway

Figure 4
Eastside Terminal SH 172 Access Options - Year 2040 Traffic Conditions

FELSBURG HOLT & ULLEVIG

APPENDIX H

Durango-La Plata County Airport

Wetland and Waters of the U.S. Preliminary Jurisdictional Delineation Report

Prepared for:

Jviation, Inc.
900 South Broadway, Suite 350
Denver, CO 30326

October 2014

Ecosphere
Environmental Services

Durango, CO
Cortez, CO
Pagosa Springs, CO
Santa Fe, NM
Farmington, NM

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ACRONYMS AND ABBREVIATIONS

Ecosphere	Ecosphere Environmental Services, Inc.
GIS	Geographic Information System
NRCS	Natural Resource Conservation Service
NWI	National Wetland Inventory
OHWM	Ordinary High Water Mark
USACE	U. S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USGS	U.S. Geologic Survey
WDDF	Wetland Determination Data Form
WRCC	Western Regional Climate Center
WUS	waters of the U.S.

1. INTRODUCTION

1.1 Project Description

Ecosphere Environmental Services, Inc. (Ecosphere) was contracted by Jviation, Inc. to determine the presence of wetlands and other jurisdictional waters of the U.S. (WUS) located on property owned by the city of Durango, where the Durango-La Plata County Airport resides. Ecosphere delineated wetlands in the survey area and mapped wetlands and other (WUS using the National Wetland Inventory (NWI) mapping standards. All work was done to support planning efforts for the Durango - La Plata County Airport Master Plan. Future development at the airport may include relocation of the terminal or expansion of the existing terminal and expansion of other facilities, though exact locations are not currently known.

1.2 Scope of Services

The scope of work for the wetland delineations includes the following:

- Review existing Geographic Information System (GIS) data, including the National Hydrologic Dataset, NWI, and U.S. Geological Survey (USGS) soil data that identifies hydric soils
- Conduct pedestrian field surveys to delineate wetlands and WUS
- Verify and modify (as needed) the existing NWI mapping within the survey area
- Prepare a Wetland Delineation Report suitable for submittal to the U.S. Army Corps of Engineers (USACE)

1.3 Site Location

The airport is situated in the foothills of the San Juan Mountains in southwestern Colorado, approximately 14 miles southeast of the City of Durango (Figure 1, Appendix A). The airport is located in La Plata County on the Loma Linda, Colorado, 7.5-minute United States Geological Survey quadrangle. About 35 percent of the survey area is improved or paved as part of the runway and airport infrastructure. The airport is accessed via Colorado 172 and Airport Road.

The survey area is defined as the Durango – La Plata County Airport boundary comprising about 1,258 acres (Figure 2). The airport boundary is the survey area for this wetland delineation report. The mesa top is the portion of the property that includes the footprint of the airport proper, but the property boundary extends down to the Florida River to the west and to highway 172 to the north. The legal coordinates for the airport are as follows:

Sections 20, 29, 30, 31, 32 Township 34 North, Range 8 West
Section 6, Township 33 North, Range 8 West
Section 1, Township 33 North, Range 9 West

New Mexico Principal Meridian
La Plata County, Colorado

2. EXISTING CONDITIONS

2.1 Vegetation Conditions

According to SWReGAP (Southwest Regional Gap Analysis Project), the primary vegetation community in the survey area is mapped as agriculture both on the mesa top and in the Florida River valley. Although current uses at the airport are private, commercial, and industrial, the historical land use was agriculture. Agriculture, especially ranching, continues to dominate the surrounding area. The second most prominent vegetation community mapped is Colorado Plateau piñon-juniper (*Pinus edulis-juniperus scopulorom*) woodlands, covering the slopes leading up to the mesa and the slope across the Florida River above the valley floor. Other vegetation types include Inter-Mountain Basin big sagebrush (*Artemisia tridentata*) shrublands interspersed within the piñon–juniper woodlands and Inter-Mountain Basin semi-desert shrub steppe. The airport facilities and buildings occur in an area mapped as Inter-Mountain Basin greasewood flats, yet none of that habitat remains.

Eight Colorado-listed and La Plata County-listed noxious[1] and enforceable weed species were observed throughout the survey area. Enforceable Colorado List B species observed in the survey area include: bull thistle (*Cirsium vulgare*), Canada thistle (*Cirsium arvense*), houndstongue (*Cynoglossum officinale*), musk thistle (*Carduus nutans*), oxeye daisy (*Chrysanthemum leucanthemum*), Russian knapweed (*Acroptilon repens*), salt cedar (*Tamarix sp*.), and scotch thistle (*Onopordum acanthium*).

A list of plants observed during field work in the survey area is provided in Appendix B.

2.2 Soils

The surface geology of the project area includes the Nacimiento Formation, Gravels and Alluviums (Pinedale and Bull Lake Age), and San Jose Formation. About 5 to 10 percent cryptobiotic soils were observed in the piñon-juniper woodlands. Slopes within the survey area range from 0 to 20 degrees. A northwestern aspect occurs on the west side of the mesa and a southeastern aspect occurs on the eastern side of the mesa.

Based on the Soil Survey of La Plata County, Colorado, there are seven soil-mapping units present in the survey area as shown in Table 1 (NRCS[2] 2014). Three soil types—Falfa clay loam, Tefton loam, and Arboles clay—are partially hydric. Wetlands were observed predominantly in the Falfa clay loam soil type.

[1] Noxious weeds are non-native plants that disrupt native vegetation and ecosystems.

[2] NRCS = Natural Resource Conservation Service

Table 1. USDA Soil Types in the Project Area

Soil Type	Description and Slope	Erosion Hazard
Falfa clay loam	Well drained, prime farmland if irrigated, not hydric, 1 to 3 percent slopes	Slight
Falfa clay loam	Well drained, partially hydric, 3 to 8 percent slopes	Moderate
Tefton loam	Somewhat poorly drained, partially hydric, prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season	Slight
Ustic Torriorthents-Ustollic	Well drained, not hydric, 12 to 60 percent slopes	Severe
Arboles clay	Well drained, partially hydric, 3 to 12 percent slopes	Moderate
Zyme-Rock outcrop complex	Well drained, not hydric, 12 to 65 percent slopes	Severe
Bodot clay	Well drained, not hydric, 3 to 10 percent slopes	Moderate

Source: NRCS, US Department of Agriculture (USDA) 2014

2.3 Hydrology

The airport is located on a plateau above the Florida River with an elevation range of 6,450 to 6,690 feet above mean sea level. The south-flowing Florida River, a tributary of the Animas River, is located about three-tenths of a mile west of the runway facility and is the predominant water feature within the airport vicinity. Salt Creek, an intermittent tributary of the Florida River, is located approximately on-half mile east of the airport. The Animas River is located approximately 6.5 miles west of the airport.

The project area is located in an arid landscape; annual precipitation at the airport is 12.6 inches per year (WRCC[3] 2014). The survey area includes lands that support agriculture and animal husbandry, particularly in the Florida River valley, and includes fallow agricultural lands in the northeastern corner. One active irrigation ditch located in the northeastern survey area conveys irrigation water across the airport property to support agricultural practices downstream. Pastures irrigated by center pivot and flood irrigation are located directly west and north of the northeastern survey area. These lands are up gradient and drain onto the fallow agricultural lands of the survey area. Many abandoned sub-lateral irrigation ditches in the northeastern survey area capture irrigation return flows from neighboring pastures and

[3] WRCC = Western Regional Climate Center

distribute water throughout. Irrigation in the region returns water to local streams and plays a significant role in supporting wetland hydrology in the survey area.

Irrigation return flows and surface drainage flow west into the Florida River and east into Salt Creek, depending on the side of the mesa. Salt Creek is tributary to the Florida River; the confluence is approximately one mile downstream of the proposed survey area. The Florida River is a perennial stream located within the San Juan Watershed (HUC 14080104).

3. METHODOLOGY

Wetlands in the project area were mapped on August 26, 27, and September 4 and 25, 2014, using the methodologies defined below.

3.1 Wetlands and Waters of the U.S.

Due to the large survey area and significant influence to the landscape from irrigation practices, and because available NWI mapping of the area was erroneous, two delineation methodologies were applied to delineate potentially jurisdictional wetlands and WUS in the airport planning area. The initial screening method consisted of review of 6-inch resolution color infrared aerial imagery from 2012 applying NWI Classification standards (Cowardin, et. al. 1979). In addition to mapping the boundaries of existing (accurate) NWI polygons, this approach served to calibrate and re-delineate apparent wetland areas according to NWI Classification standards. Approximately 57 acres of potentially jurisdictional wetlands were delineated and mapped in the survey area. The NWI classification is used by the U.S. Fish & Wildlife Services to inventory wetlands and deepwater habitats of the United States and may be used as a guide to inform development planning within the survey area. This wetland mapping approach is in conformance with Part IV, Section D, Subsection 3 of the Wetlands Delineation Manual (USACE 1987) for routine preliminary jurisdictional determinations of wetland complexes greater than 5 acres in size.

Once this initial delineation and mapping was completed, approximately 20 acres of the potentially jurisdictional 57 acres of wetlands were delineated using the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0) (USACE 2008a) and the Wetlands Delineation Manual. The delineation of this 20 acre subset using the referenced manuals was intended to validate the delineation boundaries mapped according to the NWI classification method. This amount of acreage represents a significant proportion of the total potential jurisdictional wetlands in the study area and is an appropriate validation methodology as defined by Part IV, Section D, Subsection 3 of the Wetlands Delineation Manual. Under the delineation procedures in these manuals, an area must exhibit characteristic wetland hydrology, hydric soils, and hydrophytic vegetation to be considered a wetland. Any area that appeared to display these characteristics was investigated using an approved USACE Arid West Wetland Determination Form. The delineation of these approximately 20 acres of wetlands were flagged in the field using pin flags and flagging tape to facilitate USACE field verification, and serves to validate wetland areas mapped by Ecosphere according to the NWI classification standards. The flag

locations and all mapped wetland boundaries may be relocated using a sub-meter Trimble GeoXT® global positioning system unit.

Results of the wetland survey (including wetland boundaries, flag points, photo points, and soil pits) are shown on detailed maps in Appendix A, Figures 3-9. Any plant species observed and hydric plant status may be found on the forms included in Appendix B. Completed determination forms are included in Appendix C; representative photographs are included in Appendix D.

Ordinary High Water Mark (OHWM) evaluations were prepared in accordance with the methodology identified in the USACE Field Guide to the Identification of OHWM (USACE 2008b). The National Hydrography Dataset, a general surface water database that contains features such as lakes, ponds, streams, rivers, canals, dams and stream gauges, was referenced prior to conducting the project fieldwork (USGS 2008).

This report provides the Minimum Standards for Acceptance of Preliminary Wetlands Delineations (USACE 2001). It should be noted that the methods applied to delineate study area wetlands and WUS represents a very conservative estimate of jurisdictional areas present in the planning area.

3.1.1 Hydrophytic Vegetation

The USACE Manual defines hydrophytic vegetation as “the community of macrophytes that occurs in areas where inundation or soil saturation is either permanent or of sufficient frequency and duration to exert a controlling influence on the plant species present” (USACE 2008a). Hydrophytic vegetation decisions are based primarily on the wetland indicator status, as defined by the USACE National Hydric Plant List (Lichvar 2013). Wetland indicator status ratings include obligate (OBL), facultative wetland (FACW), facultative (FAC), facultative upland (FACU), upland (UPL), no indicator (NI), and not listed (NL). Scientific nomenclature of all plant species follows that of the PLANTS database (USDA 2012).

The locations of sampling points were selected to capture the primary vegetation communities of the wetland and adjacent upland areas. Points were sometimes located near each other to highlight the transition from wetland to upland. At each sample plot, trees and shrubs within a 25-foot radius and graminoids and forbs within a 5-foot radius were identified and recorded on the wetland determination form. The Dominance Test is the basic hydrophytic vegetation indicator that was applied to every point sampled. The Dominance Test identifies the most abundant species in the community and uses a repeatable and objective procedure for selecting dominant plant species. The Prevalence Index was calculated if the Dominance Test failed. The Prevalence Index takes into consideration the percent cover of all plants identified at the sampling point.

3.1.2 Hydric Soils

The National Technical Committee for Hydric Soils defines a hydric soil as “a soil that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part” (USACE 1987). Most hydric soils exhibit characteristic

morphologies that result from repeated periods of saturation or inundation for more than a few days. Saturation or inundation combined with microbial activity in the soil causes the depletion of oxygen. These processes are evident in the field and can include high organic contents, gley formations, development of redoximorphic features, and other hydric indicators as outlined in the Arid West Supplement (USACE 2008a).

Soil samples were obtained at each data point by digging a pit to a depth of sufficient depth to determine hydric characteristics. Soil samples were then examined for soil texture and hydric soil indicators. Soil colors were evaluated using a Munsell® soil color chart (Gretag/Macbeth 2000).

3.1.3 Wetland Hydrology

Hydrophytic vegetation and hydric soil indicators typically represent a site's medium- to long-term history. Wetland hydrology indicators provide evidence that the "site has a continuing wetland hydrologic regime and that hydric soils and hydrophytic vegetation are not relics of a past hydrologic regime" (USACE 2008a). Hydrology indicators are the most inconsistent of wetland indicators, especially in the arid west where extended dry seasons are common and precipitation within a year has extreme temporal and spatial variability.

Assessment of the hydrologic criterion was based on primary and secondary indicators, as described in the Arid West Supplement (USACE 2008a). Primary indicators include observation of surface water or saturation, as well as evidence of recent inundation (e.g., oxidized rhizospheres along living roots) or current or recent soil saturation (e.g., hydrogen sulfide odor, oxidized rhizospheres). Secondary indicators also include some indicators of recent inundation or saturation (e.g., drainage patterns, saturation visible on aerial imagery).

4. Results

4.1 Wetlands and Other Waters of the U.S. in the Survey Area

Six wetland verification areas were delineated within the study area totaling over 20 acres. These wetland areas are described in detail in Sections 4.1.1 thru 4.1.5 below. Table 2 contains a summary of all the wetlands delineated according to the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0) (USACE 2008a) and the Wetlands Delineation Manual (USACE 1987) within the survey area.

Table 2. Delineated Verification Wetlands within the Survey Area

Name	NWI Classification[1]	Latitude[2]	Longitude[2]	Area (Acre)	Method Used
Wetland	PEM1C	37.16	-107.7424	2.61	Field

Name	NWI Classification[1]	Latitude[2]	Longitude[2]	Area (Acre)	Method Used
Wetland	PEM1F	37.1668	-107.7443	0.57	Field
Wetland I	PEM1C	37.1655	-107.7377	16.42	Field
Wetland	PEM1F	37.1618	-107.7493	0.06	Field
Wetland L	PEM1F	37.1618	-107.7487	0.004	Field
Wetland	PEM1F	37.1579	-107.7532	0.45	Field
			Total	**20.1**	

[1] PEMC1C = Palustrine emergent, seasonal, seasonally flooded; PEM1F = palustrine emergent, persistent, semi-permanently flooded (Cowardin, et al. 1979)

[2] North American Datum 83, decimal degrees

Other wetlands within the study area were identified using the NWI classification method described above. An additional 36.9 acres were delineated and mapped in the study area as potentially jurisdictional wetlands using NWI classification standards. In total, approximately 57 acres of potentially jurisdictional wetlands were delineated and mapped in the study area.

4.1.1 Fallow Pasture, Northeast Corner

Roughly 17 acres of wetlands were delineated north of County Road 309a (Wetlands G and I) (Figure 3). Another 26.9 acres were classified as wetlands based on color infrared imagery, NWI classification standards (collectively, these are labeled H1 through H16). Wetlands in this pasture persist in part due to irrigation return flows from adjacent land use. Irrigation runoff from neighboring pastures introduce a seasonal supply of water to the fallow pasture. A network of ditches and laterals convey this water throughout and disperse water into mapped wetland areas (Photo 9). A total of 1.8 miles of ditches and laterals were measured from the color IR imagery in the northeast corner alone. This network of ditches and laterals flow into and out of three ponds (Photo 8). For some perspective, a review of historic aerial imagery shows surrounding land uses employed flood irrigation since 1993. A center pivot was added in an adjoining, tributary field by 2005, likely reducing irrigation return flows onto the property since that time. However, flood irrigation is still employed in the adjacent, tributary pasture.

Dominant hydrophytic vegetation in the fields included redtop (*Agrostis gigantea*), inland sedge (*Carex interior*), cattails (*Typha latifolia*), arctic rush (*Juncus arcticus*), barnyard grass (*Echinochloa crus-galli*) and creeping meadow foxtail (*Alopecurous arundinaceus*) (WDDF 1h-3h) (Photo 10). Hydric soils in the field were predominantly red parent material with a low chroma and evidence of reducing conditions.

4.1.2 Wetlands within the Secured, Fenced Interior of the Durango - La Plata County Airport

Wetlands found within the secured, fenced interior of the Durango - La Plata County Airport were commonly observed below the mesa rim within drainages (Photo 11; Figure 7, 8 & 9). Wetland hydrology generally included saturated soil. All but one of the areas lacked surface flow, but instead included persistent hydrophytic vegetation such as cattails, arctic rush and redtop. One seep was observed below a sandstone outcrop, also in a natural drainage (Figure 6). Downstream of the seep, a wetland is formed on a narrow bench below the mesa rim within the piñon-juniper woodland (Photo 13). Once the gradient increases in the drainage, a narrow, wetland fringe buffers the stream. A jurisdictional ephemeral wash forms the headwater of this minor drainage.

4.1.3 Wetlands near Administrative Buildings and Main Terminal Parking

Wetlands J and M are man-made palustrine emergent wetlands designed to manage stormwater runoff from developed airport facilities (Photos 1 and 2; Figures 4 and 7). A concrete spillway and excavated basin collects and detains stormwater for treatment. Larger precipitation events will fill and eventually spill over the concrete structure into a man-made earthen channel to the Florida valley floor below. Hydrophytic vegetation was predominantly cattails. A narrow band of coyote willows (*Salix exigua*) was observed growing along the northwest shoreline. There are three storm inlets to Wetland M and two storm inlets into Wetland J. Hydric soil includes red parent material (WDDF 1m).

4.1.4 The Florida River, Valley Floor and Tributary Waters

The Florida River is a managed, perennial stream tributary to the Animas River. Surrounding floodplains, as a result, infrequently flood, unless as the result of a lower elevation, localized precipitation event. Lemon Reservoir is located roughly 20 miles upstream. Lemon reservoir is managed by the U.S. Bureau of Reclamation as a Colorado River Storage Project. The outflow from the reservoir on September 27, 2014, was 10 cubic feet per second. The Florida Water Conservancy District manages irrigation water deliveries from the reservoir. Irrigation return flows increase streamflow in the Florida River along its course and until its confluence with the Animas River.

Within the survey area, cattle have access to most all the river corridor, perhaps limiting establishment of woody riparian species, such as coyote willow. A few palustrine scrub shrub communities were identified, however. These were small, scattered communities of coyote willow and/or hawthorne (*Cratageus* spp).

Over 11.8 acres of palustrine emergent wetlands were mapped as wetlands west of the airport based on the color infrared imagery (Figures 4, 6, 7 & 8). Most wetlands have origin from the mesa top, as irrigation return flows and active ditches convey water from the mesa to the valley floor. Irrigation water is actively managed in ditches and laterals throughout this portion of the survey area. Approximately 1.1 miles of ditches were mapped west of the airport as part of this survey. Some ponds may be found throughout the valley floor, typically excavated areas fed by ditch laterals. Land uses on the valley floor include active agricultural (hay), animal husbandry (cows) and natural gas development.

Some palustrine emergent wetlands may be found adjacent to the Florida River. These are supported by a high groundwater table and often are found in abandoned oxbows or low river terraces (Photo 2). Pastures close to the river also receive supplemental irrigation return flows from flood irrigation of upper pastures.

4.1.5 Tributary Drainage to Salt Creek

The unnamed tributary to Salt Creek east of the airport (Wetland F) collects a significant portion of irrigation return flows from the fallow pasture in the northeast corner of the survey area. One airport stormwater drain outlet contributes to the stream flow (Photo 3). The drainage in most sections support a defined and active (vegetated) channel approximately 2 feet wide by 6 inches deep, depending on location. The upper portion of the drainage is low-gradient (Photos 6 and 7). The gradient does increase the further south it travels. The drainage supports a palustrine emergent wetland community along its course. Approximately 2.61 acres were delineated as part of this mapping effort (Figures 3 & 5). Another 0.44 acre was classified as wetland using the NWI classification standard (Figure 9). Dominant hydrophytic vegetation near the active channel included cattails with intermittent and sparing communities of northwest territory sedge (*Carex utriculata*). Hydrophytic vegetation near the wetland boundary was typically dominated by bluejoint (*Calamagrostis canadensis*) and Canada thistle (*Cirsium arvense*). Hydric soil near the wetland boundary included a depleted matrix with low chroma and a soil matrix containing redoxymorphic features (WDDF 1F through 5f). Portions of the drainage support coyote willow, typically when the stream gradient increases and the flood-prone area decreases.

5. REFERENCES

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Appendix A: Wetland Delineation Maps and Figures

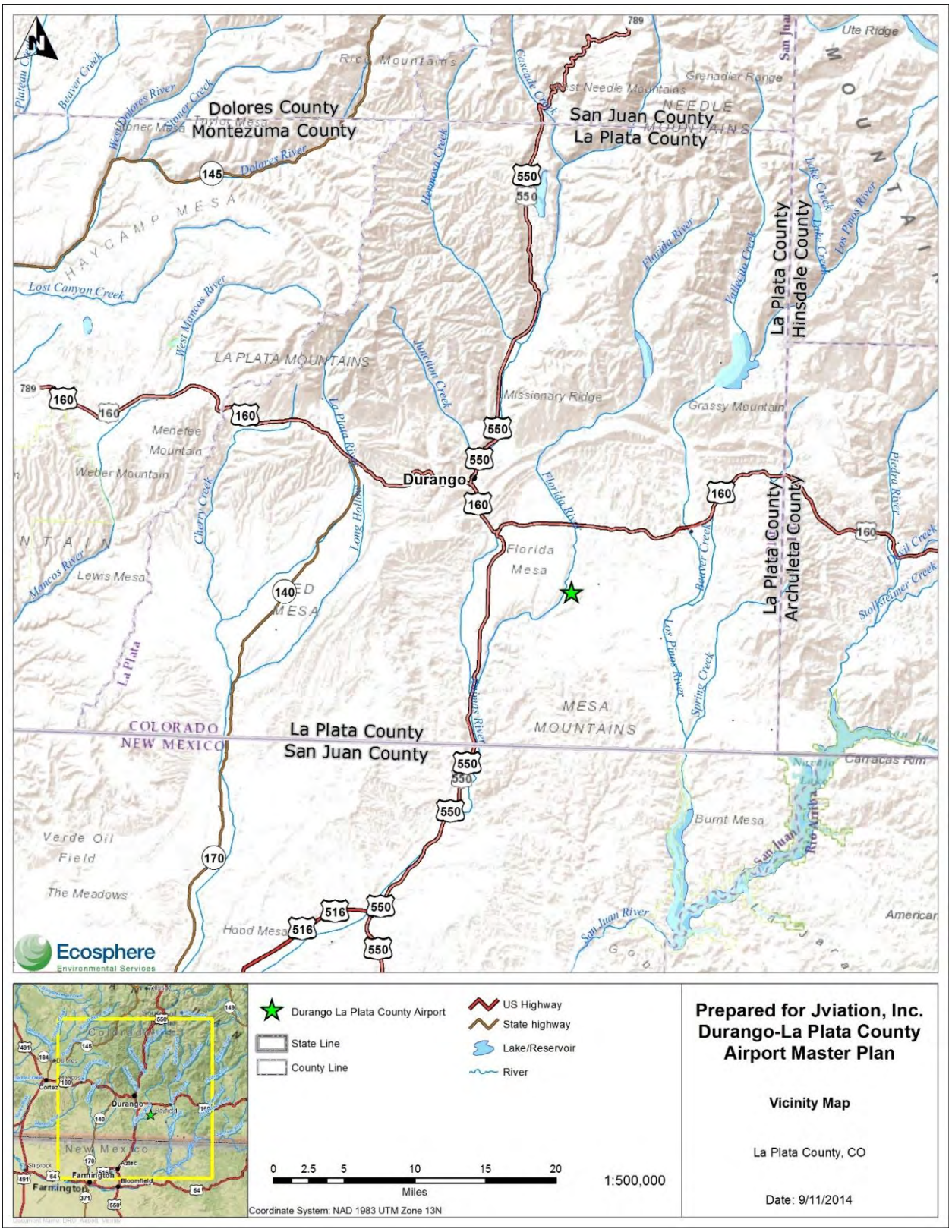

Figure 1. Vicinity Map of Durango-La Plata County Airport

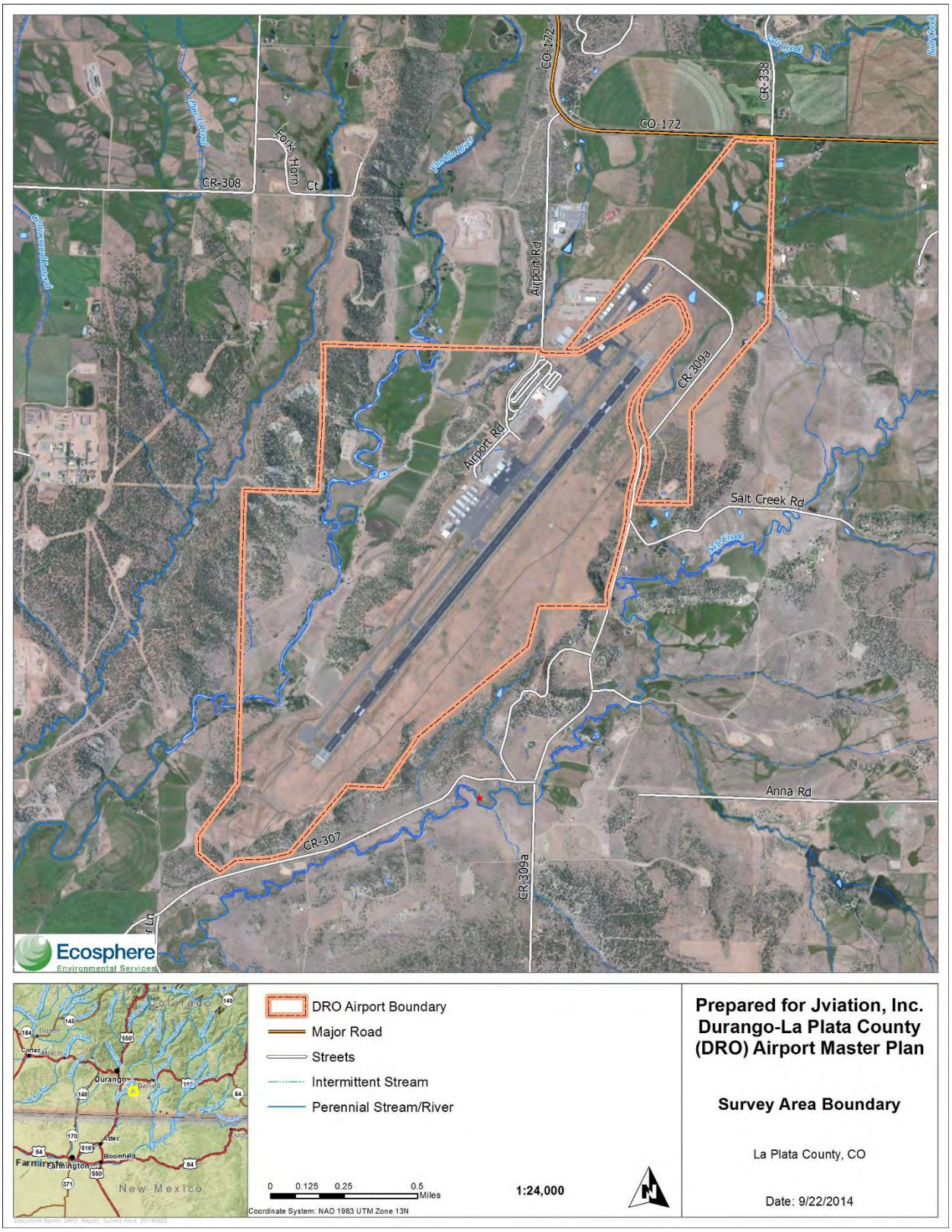

Figure 2. Survey Area Boundary

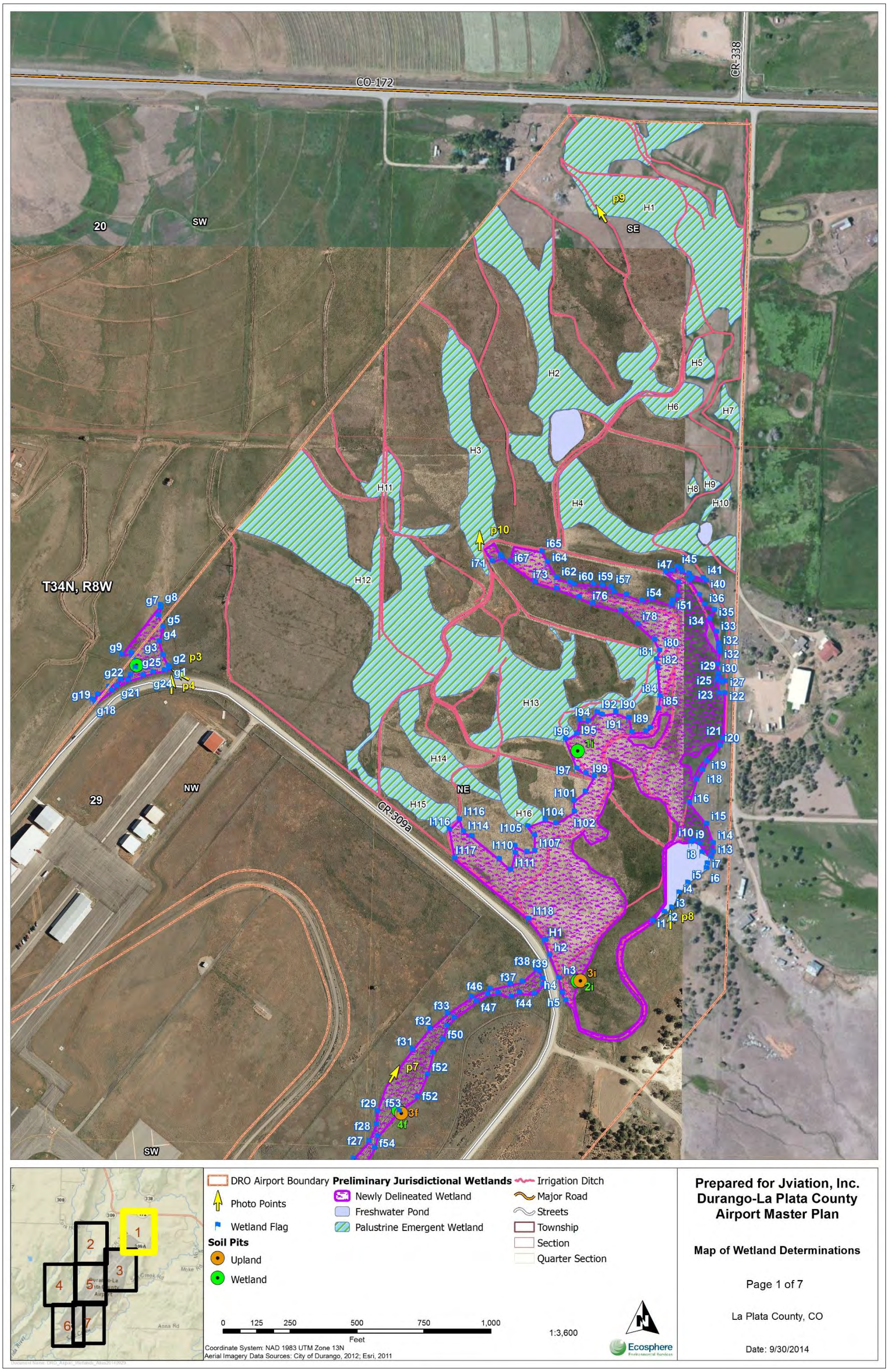

Figure 3. Wetland Determinations Map Book, page 1 of 7

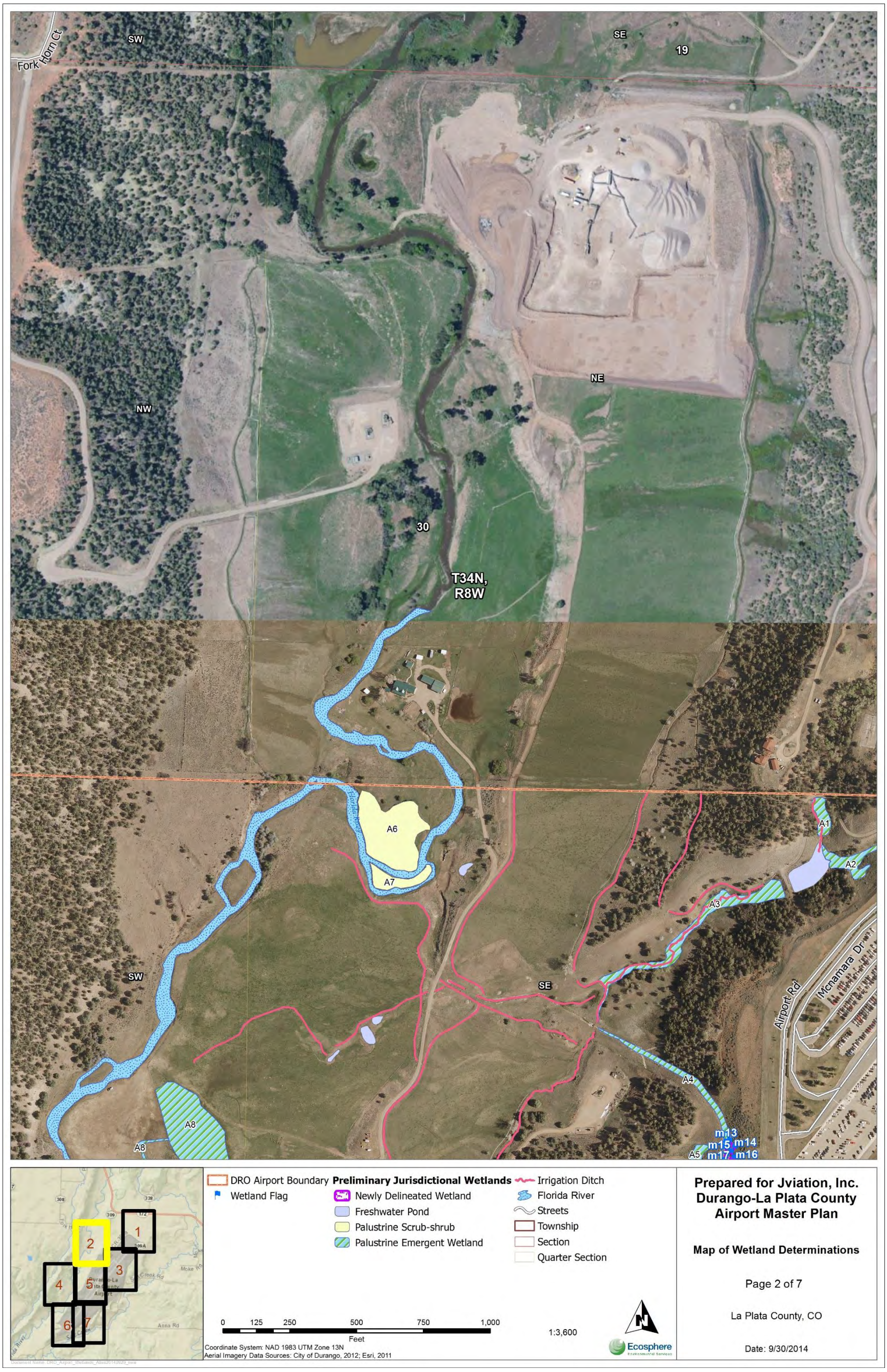

Figure 4. Wetland Determinations Map Book, page 2 of 7

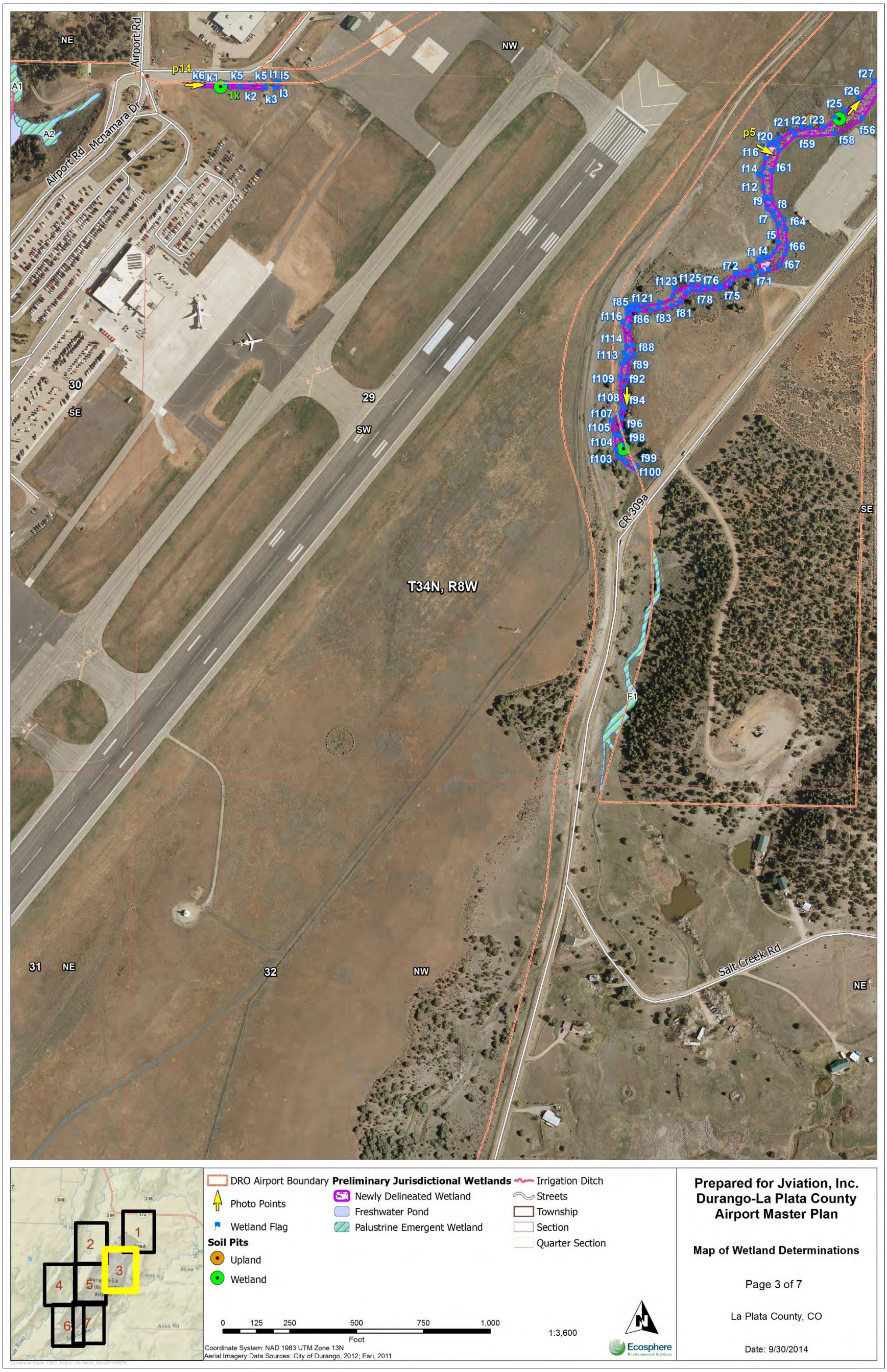

Figure 5. Wetland Determinations Map Book, page 3 of 7

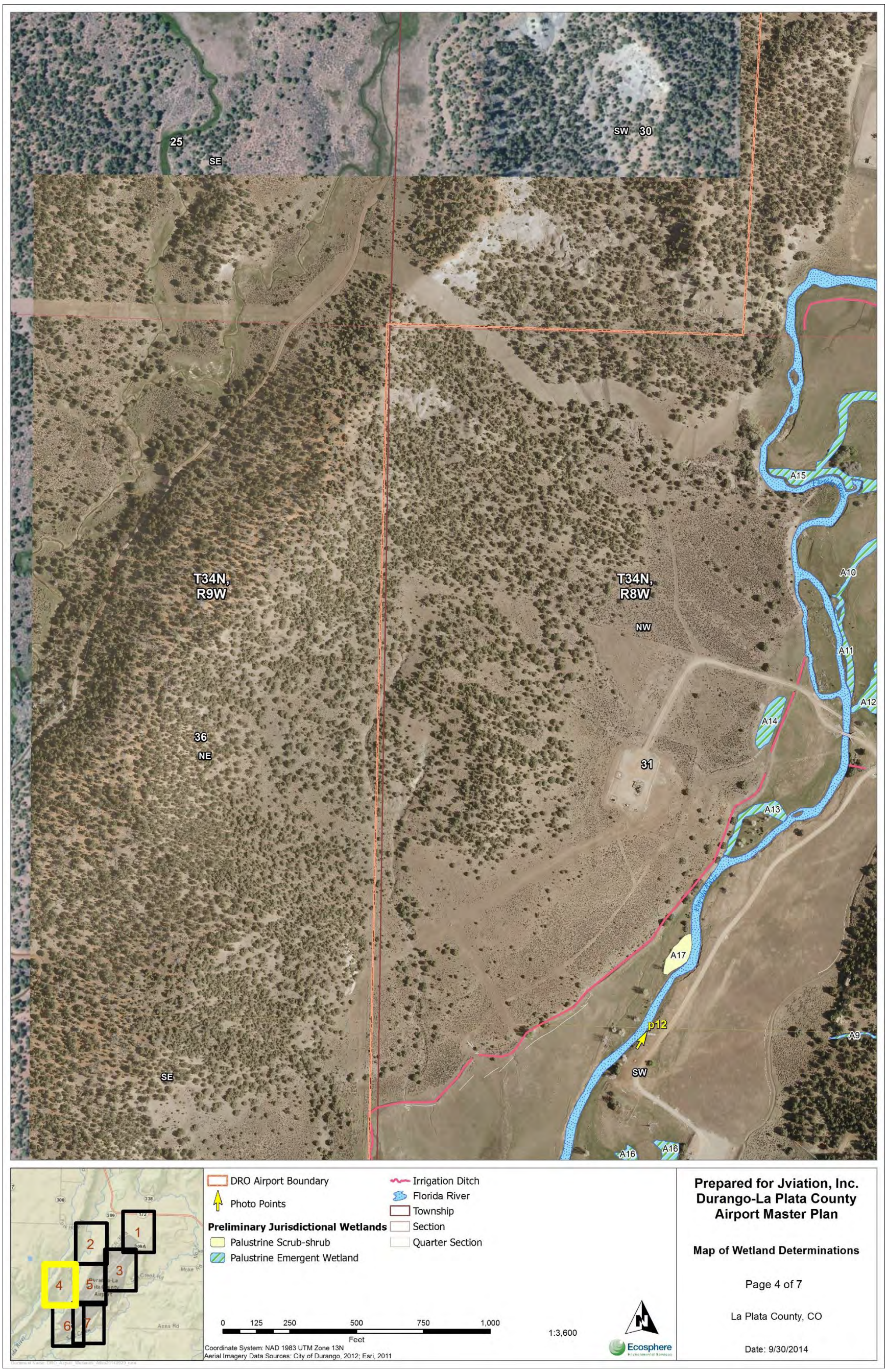

Figure 6. Wetland Determinations Map Book, page 4 of 7

Figure 7. Wetland Determinations Map Book, page 5 of 7

Figure 8. Wetland Determinations Map Book, page 6 of 7

Figure 9. Wetland Determinations Map Book, page 7 of 7

Appendix B: Plant Species Observed

Scientific Name	Common Name	Family	Wetland Indicator Status[1]
TREES			
Juniperus osteosperma	Utah juniper	Cupressaceae	NI
Pinus edulis	twoneedle pinyon	Pinaceae	NI
Populus fremontii	Fremont cottonwood	Salicaceae	FAC
Populus angustifolia	Narrowleaf cottonwood	Salicaceae	FACW
Ulmus pumila	Siberian elm	Ulmaceae	UPL
SHRUBS			
Juniperus communis	common juniper	Cupressaceae	FACU
Ribes aureum	golden currant	Grossulariaceae	FAC
Rosa woodsii	Wood's rose	Rosaceae	FACU
Salix amygdaloides	peach-tree willow	Salicaceae	FACW
Salix exigua	narrowleaf willow	Salicaceae	FACW
FORBS			
Agrostis gigantea	redtop	Poaceae	FACW
Asclepias speciosa	Showy milkweed	Asclepiadaceae	FAC
Cirsium arvense	Canada thistle	Asteraceae	FACU
Carduus nutans	Nodding plumeless thistle	Asteraceae	FACU
Convolvulus arvensis	bindweed	Convolvulaceae	NI
Cynoglossum officinale	Houndstongue	Boraginaceae	FACU
Epilobium ciliatum	Fringed willowherb	Onagraceae	FACW
Helianthus annuus	sunflower	Asteraceae	FACU
Hordeum jubatum	Foxtail barley	Poaceae	FAC
Lepidium spp.	pepperweed	Brassicaceae	UPL
Melilotus officinalis	sweet clover	Fabaceae	FACU
Plantago lanceolata	plantain	Plantaginaceae	FAC
Plantago major	common plantain	Plantaginaceae	FAC
Polygonum amphibium	Water smartweed	Polygonaceae	OBL
Rumex crispus	curly dock	Polygonaceae	FAC
Sagittaria cuneata	Arumleaf arrowhead	Alismataceae	OBL
Symphiotrichum lanceolatum	White panicle aster	Poaceae	OBL
Typha latifolia	broadleaf cattail	Typhaceae	OBL
Verbascum thapsus	great mullein	Scrophulariaceae	FACU

Scientific Name	Common Name	Family	Wetland Indicator Status[1]
Viola nephrophylla	northern bog violet	Violaceae	FACW
Xanthium strumarium	rough cocklebur	Asteraceae	FAC
GRAMINOIDS			
Alopecurus arundinaceus	Creeping meadow foxtail	Poaceae	FAC
Agrostis gigantea	Redtop	Poaceae	FACW
Bromus inermis	smooth brome	Poaceae	FACU
Calamagrostis canadensis	Bluejoint	Poaceae	FACW
Carex bebbii	Bebb's sedge	Cyperaceae	OBL
Carex interior	Inland sedge	Cyperaceae	OBL
Carex utriculata	Northwest territory sedge	Cyperaceae	OBL
Echinochloa crus-galli	Barnyard grass	Poaceae	FACW
Eleocharis palustris	common spikerush	Cyperaceae	OBL
Equisetum hyemale	scouringrush horsetail	Equisetaceae	FACW
Glyceria striata	Fowl mannagrass	Poaceae	OBL
Hordeum jubatum	foxtail barley	Poaceae	FAC
Juncus arcticus	Arctic rush	Juncaceae	FACW
Phleum pratense	timothy	Poaceae	FACU
Poa palustris	Fowl bluegrass	Poaceae	FAC
Poa pratensis	Kentucky bluegrass	Poaceae	FAC
Puccinellia nuttalliana	Nuttall's alkaligrass	Poaceae	FACW
Scirpus americanus	American threesquare	Cyperaceae	OBL
Scirpus tabernaemontani	softstem bulrush	Cyperaceae	OBL

1: OBL=obligate, FACW=facultative wetland, FAC=facultative, FACU=facultative upland, UPL-upland, NI= no indicator, NL=not listed

Appendix C: Wetland Delineation Forms

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: La Plata County Airport City/County: La Plata Sampling Date: 08/27/2014
Applicant/Owner: La Plata County/City of Durango State: CO Sampling Point: 1f
Investigator(s): Ryan Unterreiner Section, Township, Range: Sec.29, T34N, R82
Landform (hillslope, terrace, etc.): Drainageway Local relief (concave, convex, none): concave Slope (%): 2
Subregion (LRR): Interior Deserts (LRR D) Lat: 1.00000000 Long: 1.00000000 Datum: WGS84
Soil Map Unit Name: Falfa Clay Loam, 3-8% NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)
Are Vegetation X, Soil __, or Hydrology __ significantly disturbed? Are "Normal Circumstances" present? Yes
Are Vegetation __, Soil __, or Hydrology __ naturally problematic? (if needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes Hydric Soil Present? No Wetland Hydrology Present? No	**Is the Sampled Area within a Wetland?** No
Remarks: This is a fan-like feature with surface runoff from the airport that supports willows, but lacks persisent water supply to develop hydric soil characteristics.	

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 0) 1. 2. 3. 4. Total Cover = 0			
Sapling/Shrub Stratum (Plot size: 0) 1. Salix exigua 2. 3. 4. 5. Total Cover = 40	40	Yes	FACW
Herb Stratum (Plot size: 0) 1. Carduus nutans 2. Cynoglossum officinale 3. 4. 5. 6. 7. 8. Total Cover = 25	5 20	No Yes	FACU FACU
Woody Vine Stratum (Plot size: 0) 1. 2. Total Cover = 0			

% Bare Ground in Herb Stratum: 75
% Cover of Biotic Crust: 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1(A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	40	x 2 =	80
FAC species	0	x 3 =	0
FACU species	25	x 4 =	100
UPL species	0	x 5 =	0
Column Totals:	65 (A)		180 (B)

Prevalence Index = B/A = 2.77

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
X Prevalence Index is ≤ 3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes

Remarks: Willow community adjacent to creek, but dying. Understory is disturbed primarily due to the presence of thistle.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

SOIL Sampling Point 1f

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR 3/4	100		0			Loam	
10-16	10YR 3/4	80	10YR 5/8	20	C	M	Loam	

[1] Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

___ Histosol (A1)
___ Histic Epipedon (A2)
___ Black Histic (A3)
___ Hydrogen Sulfide (A4)
___ Stratified Layers (A5) (LRR C)
___ 1 cm Muck (A9) (LRR D)
___ Depleted Below Dark Surface (A11)
___ Thick Dark Surface (A12)
___ Sandy Mucky Mineral (S1)
___ Sandy Gleyed Matrix (S4)
___ Sandy Redox (S5)
___ Stripped Matrix (S6)
___ Loamy Mucky Mineral (F1)
___ Loamy Gleyed Matrix (F2)
___ Depleted Matrix (F3)
___ Redox Dark Surface (F6)
___ Depleted Dark Surface (F7)
___ Redox Depressions (F8)
___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) (LRR C)
___ 2 cm Muck (A10) (LRR B)
___ Reduced Vertic (F18)
___ Red Parent Material (TF2)
___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
Type:
Depth (inches): 0

Hydric Soil Present? No

Remarks: Falfa clay loam is partially hydric.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

___ Surface Water (A1)
___ High Water Table (A2)
___ Saturation (A3)
___ Water Marks (B1) (Nonriverine)
___ Sediment Deposits (B2) (Nonriverine)
___ Drift Deposits (B3) (Nonriverine)
___ Surface Soil Cracks (B6)
___ Inundation Visible on Aerial Imagery (B7)
___ Water-Stained Leaves (B9)
___ Salt Crust (B11)
___ Biotic Crust (B12)
___ Aquatic Invertebrates (B13)
___ Hydrogen Sulfide Odor (C1)
___ Oxidized Rhizospheres along Living Roots (C3)
___ Presence of Reduced Iron (C4)
___ Recent Iron Reduction in Tilled Soils (C6)
___ Thin Muck Surface (C7)
___ Other (Explain in Remarks)

Secondary Indicators (two or more required)

___ Water Marks (B1) (Riverine)
___ Sediment Deposits (B2) (Riverine)
___ Drift Deposits (B3) (Riverine)
___ Drainage Patterns (B10)
___ Dry-Season Water Table (C2)
___ Crayfish Burrows (C8)
___ Saturation Visible on Aerial Imagery (C9)
___ Shallow Aquitard (D3)
___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? No Depth (inches):
Water Table Present? No Depth (inches):
Saturation Present? No Depth (inches):
(includes capillary fringe)

Wetland Hydrology Present? No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: None

Remarks: There is some surface runoff from the airport into this fan-like feature. Periodic flooding possible given geomorphic position (depressional).

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: La Plata County Airport City/County: La Plata Sampling Date: 08/27/2014
Applicant/Owner: La Plata County/City of Durango State: CO Sampling Point: 1g
Investigator(s): Ryan Unterreiner Section, Township, Range: Sec.29, T34N, R8W
Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): concave Slope (%): 1
Subregion (LRR): Interior Deserts (LRR D) Lat: 1.00000000 Long: 1.00000000 Datum: WGS84
Soil Map Unit Name: Falfa clay loam, 3-8% NWI classification: PEM
Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)
Are Vegetation __, Soil __, or Hydrology __ significantly disturbed? Are "Normal Circumstances" present? Yes
Are Vegetation __, Soil __, or Hydrology __ naturally problematic? (if needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	**Is the Sampled Area within a Wetland?** Yes
Remarks: This is a depressional wetland that collects and channels water into a roadside ditch adjacent to CR 309a. Heavily influenced by irrigation return flows.	

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
Total Cover = 0			
Sapling/Shrub Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
5.			
Total Cover = 0			
Herb Stratum (Plot size: 0)			
1. Hordeum jubatum	20	Yes	FAC
2. Rumex crispus	10	No	FAC
3. Poa pratensis	30	Yes	FAC
4. Alopecurus aequalis	20	Yes	OBL
5. Agrostis gigantea	30	Yes	FACW
6.			
7.			
8.			
Total Cover = 100			
Woody Vine Stratum (Plot size: 0)			
1.			
2.			
Total Cover = 0			
% Bare Ground in Herb Stratum: 0			
% Cover of Biotic Crust: 0			

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 4(A)
Total Number of Dominant Species Across All Strata: 4 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet

Total % Cover of:		Multiply by:	
OBL species	20	x 1 =	20
FACW species	20	x 2 =	40
FAC species	60	x 3 =	180
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	100 (A)		240 (B)

Prevalence Index = B/A = 2.40

Hydrophytic Vegetation Indicators:
X Dominance Test is >50%
X Prevalence Index is ≤ 3.0[1]
X Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes

Remarks: Cattails predominant in the middle of the wetland area.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

SOIL Sampling Point 1g

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-14	7.5YR 4/3	70	5YR 4/6	30	C	M	Clay Loam	

[1] Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

___ Histosol (A1)
___ Histic Epipedon (A2)
___ Black Histic (A3)
___ Hydrogen Sulfide (A4)
___ Stratified Layers (A5) (**LRR C**)
___ 1 cm Muck (A9) (**LRR D**)
___ Depleted Below Dark Surface (A11)
___ Thick Dark Surface (A12)
___ Sandy Mucky Mineral (S1)
___ Sandy Gleyed Matrix (S4)
___ Sandy Redox (S5)
___ Stripped Matrix (S6)
___ Loamy Mucky Mineral (F1)
___ Loamy Gleyed Matrix (F2)
___ Depleted Matrix (F3)
___ Redox Dark Surface (F6)
___ Depleted Dark Surface (F7)
___ Redox Depressions (F8)
___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) (**LRR C**)
___ 2 cm Muck (A10) (**LRR B**)
___ Reduced Vertic (F18)
X Red Parent Material (TF2)
___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
Type:
Depth (inches): 0

Hydric Soil Present? Yes

Remarks: Falfa clay loam, 3-8% is partially hydric. Red parent material predominant in northeastern study area (fallow agricultural field). Redoxymorphic features evident up to soil surface.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

X Surface Water (A1)
___ High Water Table (A2)
X Saturation (A3)
___ Water Marks (B1) (**Nonriverine**)
___ Sediment Deposits (B2) (**Nonriverine**)
___ Drift Deposits (B3) (**Nonriverine**)
___ Surface Soil Cracks (B6)
___ Inundation Visible on Aerial Imagery (B7)
___ Water-Stained Leaves (B9)
___ Salt Crust (B11)
___ Biotic Crust (B12)
___ Aquatic Invertebrates (B13)
___ Hydrogen Sulfide Odor (C1)
___ Oxidized Rhizospheres along Living Roots (C3)
___ Presence of Reduced Iron (C4)
___ Recent Iron Reduction in Tilled Soils (C6)
___ Thin Muck Surface (C7)
___ Other (Explain in Remarks)

Secondary Indicators (two or more required)

___ Water Marks (B1) (**Riverine**)
___ Sediment Deposits (B2) (**Riverine**)
___ Drift Deposits (B3) (**Riverine**)
X Drainage Patterns (B10)
___ Dry-Season Water Table (C2)
___ Crayfish Burrows (C8)
X Saturation Visible on Aerial Imagery (C9)
___ Shallow Aquitard (D3)
___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes Depth (inches): 6
Water Table Present? No Depth (inches):
Saturation Present? Yes Depth (inches): 0
(includes capillary fringe)

Wetland Hydrology Present? Yes

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Area frequently flooded from runoff by adjacent flood irrigation practices. Up to 6 inches of water was present in the middle of the wetland area. Saturation more common along the wetland boundary.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: La Plata County Airport City/County: La Plata Sampling Date: 09/25/2014
Applicant/Owner: La Plata County/City of Durango State: CO Sampling Point: 1I
Investigator(s): Ryan Unterreiner Section, Township, Range: Sec.29, T34N, R8W
Landform (hillslope, terrace, etc.): Drainageway Local relief (concave, convex, none): concave Slope (%): 1
Subregion (LRR): Interior Deserts (LRR D) Lat: 12.00000000 Long: 12.00000000 Datum: WGS84
Soil Map Unit Name: Falfa clay loam, 3-8% NWI classification: PEM
Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)
Are Vegetation __, Soil __, or Hydrology __ significantly disturbed? Are "Normal Circumstances" present? Yes
Are Vegetation __, Soil __, or Hydrology __ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	**Is the Sampled Area within a Wetland?** Yes
Remarks:	

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
Total Cover = 0			
Sapling/Shrub Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
5.			
Total Cover = 0			
Herb Stratum (Plot size: 0)			
1. Alopecurus arundinaceus	60	Yes	FAC
2. Carex bebbii	10	No	OBL
3. Carex interior	15	No	OBL
4. Typha latifolia	3	Yes	OBL
5. Echinochloa crus-galli	3	No	FACW
6.			
7.			
8.			
Total Cover = 91			
Woody Vine Stratum (Plot size: 0)			
1.			
2.			
Total Cover = 0			

% Bare Ground in Herb Stratum: 9
% Cover of Biotic Crust: 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2(A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet

Total % Cover of:		Multiply by:	
OBL species	28	x 1 =	28
FACW species	3	x 2 =	6
FAC species	60	x 3 =	180
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	91 (A)		214 (B)

Prevalence Index = B/A = 2.35

Hydrophytic Vegetation Indicators:
_X_ Dominance Test is >50%
_X_ Prevalence Index is ≤ 3.0[1]
_X_ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes

Remarks: Pit located approximately 10 feet below abandoned ditch lateral with some standing water. Adjacent upland grasses include crested wheatgrass.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

SOIL Sampling Point 1i

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-12	7.5YR 4/2	80	7.5YR 6/8	20	C	M	Clay Loam	

[1] Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

___ Histosol (A1)
___ Histic Epipedon (A2)
___ Black Histic (A3)
___ Hydrogen Sulfide (A4)
___ Stratified Layers (A5) (**LRR C**)
___ 1 cm Muck (A9) (**LRR D**)
___ Depleted Below Dark Surface (A11)
___ Thick Dark Surface (A12)
___ Sandy Mucky Mineral (S1)
___ Sandy Gleyed Matrix (S4)
___ Sandy Redox (S5)
___ Stripped Matrix (S6)
___ Loamy Mucky Mineral (F1)
___ Loamy Gleyed Matrix (F2)
___ Depleted Matrix (F3)
___ Redox Dark Surface (F6)
___ Depleted Dark Surface (F7)
___ Redox Depressions (F8)
___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) (**LRR C**)
___ 2 cm Muck (A10) (**LRR B**)
___ Reduced Vertic (F18)
X Red Parent Material (TF2)
___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
Type:
Depth (inches): 0

Hydric Soil Present? Yes

Remarks: Falfa clay loam, 3-8% is partially hydric

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

___ Surface Water (A1)
___ High Water Table (A2)
X Saturation (A3)
___ Water Marks (B1) (**Nonriverine**)
___ Sediment Deposits (B2) (**Nonriverine**)
___ Drift Deposits (B3) (**Nonriverine**)
___ Surface Soil Cracks (B6)
___ Inundation Visible on Aerial Imagery (B7)
___ Water-Stained Leaves (B9)
___ Salt Crust (B11)
___ Biotic Crust (B12)
___ Aquatic Invertebrates (B13)
___ Hydrogen Sulfide Odor (C1)
X Oxidized Rhizospheres along Living Roots (C3)
___ Presence of Reduced Iron (C4)
___ Recent Iron Reduction in Tilled Soils (C6)
___ Thin Muck Surface (C7)
___ Other (Explain in Remarks)

Secondary Indicators (two or more required)

___ Water Marks (B1) (**Riverine**)
___ Sediment Deposits (B2) (**Riverine**)
___ Drift Deposits (B3) (**Riverine**)
___ Drainage Patterns (B10)
___ Dry-Season Water Table (C2)
___ Crayfish Burrows (C8)
___ Saturation Visible on Aerial Imagery (C9)
___ Shallow Aquitard (D3)
___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? No Depth (inches):
Water Table Present? No Depth (inches):
Saturation Present? (includes capillary fringe) Yes Depth (inches): 10

Wetland Hydrology Present? Yes

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Nearby abandoned lateral has some standing water.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: La Plata County Airport City/County: La Plata Sampling Date: 09/25/2014
Applicant/Owner: La Plata County/City of Durango State: CO Sampling Point: 1k
Investigator(s): Ryan Unterreiner Section, Township, Range: Sec.29, T34N, R8W
Landform (hillslope, terrace, etc.): Channel Local relief (concave, convex, none): concave Slope (%): 2
Subregion (LRR): Interior Deserts (LRR D) Lat: 11.00000000 Long: 11.00000000 Datum: WGS84
Soil Map Unit Name: Falfa clay loam, 3-8% NWI classification: R2SB7x
Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)
Are Vegetation __, Soil __, or Hydrology __ significantly disturbed? Are "Normal Circumstances" present? Yes
Are Vegetation __, Soil __, or Hydrology __ naturally problematic? (if needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	**Is the Sampled Area within a Wetland?** Yes
Remarks: Uniform, linear excavated channel adjacent to CR 309a conveying irrigation return flows to the Florida River valley floor.	

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 0)			
1. Populus angustifolia	5	Yes	FACW
2.			
3.			
4.			
Total Cover = 5			
Sapling/Shrub Stratum (Plot size: 0)			
1. Salix exigua	10	Yes	FACW
2.			
3.			
4.			
5.			
Total Cover = 10			
Herb Stratum (Plot size: 0)			
1. Typha latifolia	70	Yes	OBL
2. Juncus balticus	10	No	FACW
3. symphiotrychum lanceolatum	5	No	OBL
4. Asclepias incarnata	10	Yes	OBL
5.			
6.			
7.			
8.			
Total Cover = 95			
Woody Vine Stratum (Plot size: 0)			
1.			
2.			
Total Cover = 0			
% Bare Ground in Herb Stratum: 0			
% Cover of Biotic Crust: 0			

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 4(A)
Total Number of Dominant Species Across All Strata: 4 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet

Total % Cover of:		Multiply by:	
OBL species	85	x 1 =	85
FACW species	25	x 2 =	50
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	110 (A)		135 (B)

Prevalence Index = B/A = 1.23

Hydrophytic Vegetation Indicators:
X Dominance Test is >50%
X Prevalence Index is ≤ 3.0[1]
X Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes

Remarks: Abrupt transition to upland with steep, 2:1 sideslopes.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

SOIL Sampling Point 1k

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks

[1] Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

___ Histosol (A1)	___ Sandy Redox (S5)	___ 1 cm Muck (A9) (**LRR C**)
___ Histic Epipedon (A2)	___ Stripped Matrix (S6)	___ 2 cm Muck (A10) (**LRR B**)
___ Black Histic (A3)	___ Loamy Mucky Mineral (F1)	___ Reduced Vertic (F18)
___ Hydrogen Sulfide (A4)	___ Loamy Gleyed Matrix (F2)	___ Red Parent Material (TF2)
___ Stratified Layers (A5) (**LRR C**)	___ Depleted Matrix (F3)	X Other (Explain in Remarks)
___ 1 cm Muck (A9) (**LRR D**)	___ Redox Dark Surface (F6)	
___ Depleted Below Dark Surface (A11)	___ Depleted Dark Surface (F7)	
___ Thick Dark Surface (A12)	___ Redox Depressions (F8)	[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
___ Sandy Mucky Mineral (S1)	___ Vernal Pools (F9)	
___ Sandy Gleyed Matrix (S4)		

Indicators for Problematic Hydric Soils[3]:

Restrictive Layer (if present):
Type:
Depth (inches): 0

Hydric Soil Present? Yes

Remarks: No soil pit, riverine wetland. Hydric soil assumed, or developing.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (two or more required)
X Surface Water (A1)	___ Salt Crust (B11)	___ Water Marks (B1) (**Riverine**)
___ High Water Table (A2)	___ Biotic Crust (B12)	___ Sediment Deposits (B2) (**Riverine**)
X Saturation (A3)	___ Aquatic Invertebrates (B13)	___ Drift Deposits (B3) (**Riverine**)
___ Water Marks (B1) (**Nonriverine**)	___ Hydrogen Sulfide Odor (C1)	X Drainage Patterns (B10)
___ Sediment Deposits (B2) (**Nonriverine**)	___ Oxidized Rhizospheres along Living Roots (C3)	___ Dry-Season Water Table (C2)
___ Drift Deposits (B3) (**Nonriverine**)	___ Presence of Reduced Iron (C4)	___ Crayfish Burrows (C8)
___ Surface Soil Cracks (B6)	___ Recent Iron Reduction in Tilled Soils (C6)	___ Saturation Visible on Aerial Imagery (C9)
___ Inundation Visible on Aerial Imagery (B7)	___ Thin Muck Surface (C7)	___ Shallow Aquitard (D3)
___ Water-Stained Leaves (B9)	___ Other (Explain in Remarks)	___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes	Depth (inches): 2
Water Table Present?	No	Depth (inches):
Saturation Present? (includes capillary fringe)	Yes	Depth (inches): 0

Wetland Hydrology Present? Yes

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Flow may be perennial, but at a minumum seasonal due to irrigation return flows.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: La Plata County Airport City/County: La Plata Sampling Date: 09/25/2014
Applicant/Owner: La Plata County/City of Durango State: CO Sampling Point: 1m
Investigator(s): Ryan Unterreiner Section, Township, Range: Sec.30, T34N, R8W
Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): concave Slope (%): 1
Subregion (LRR): Interior Deserts (LRR D) Lat: 10.00000000 Long: 10.00000000 Datum: WGS84
Soil Map Unit Name: Falfa clay loam, 3-8% NWI classification: PEM
Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)
Are Vegetation __, Soil __, or Hydrology __ significantly disturbed? Are "Normal Circumstances" present? Yes
Are Vegetation __, Soil __, or Hydrology __ naturally problematic? (if needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	**Is the Sampled Area within a Wetland?** Yes
Remarks: This is a man-made, stormwater detention basin with a controlled outlet. Area recieves stormwater runoff from airport facilities, including parking areas, runways, commercial and private aviation facilities. Abrupt transition to upland with steep sideslopes.	

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
Total Cover = 0			
Sapling/Shrub Stratum (Plot size: 0)			
1. Salix exigua	10	Yes	FACW
2.			
3.			
4.			
5.			
Total Cover = 10			
Herb Stratum (Plot size: 0)			
1. Typha latifolia	70	Yes	OBL
2. Agrostis gigantea	15	No	FACW
3. Glyceria striata	10	No	OBL
4. Juncus balticus	5	No	FACW
5.			
6.			
7.			
8.			
Total Cover = 100			
Woody Vine Stratum (Plot size: 0)			
1.			
2.			
Total Cover = 0			
% Bare Ground in Herb Stratum: 0			
% Cover of Biotic Crust: 0			

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2(A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet

Total % Cover of:		Multiply by:	
OBL species	80	x 1 =	80
FACW species	30	x 2 =	60
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	110 (A)		140 (B)

Prevalence Index = B/A = 1.27

Hydrophytic Vegetation Indicators:
X Dominance Test is >50%
X Prevalence Index is ≤ 3.0[1]
X Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes

Remarks: Abrupt transition to upland species, including smooth brome and rubber rabbitgrass.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

SOIL Sampling Point 1m

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
12	7.5YR4/3	80	5YR4/6	20	C	M	Clay Loam	

[1] Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2] Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

___ Histosol (A1)
___ Histic Epipedon (A2)
___ Black Histic (A3)
___ Hydrogen Sulfide (A4)
___ Stratified Layers (A5) (**LRR C**)
___ 1 cm Muck (A9) (**LRR D**)
___ Depleted Below Dark Surface (A11)
___ Thick Dark Surface (A12)
___ Sandy Mucky Mineral (S1)
___ Sandy Gleyed Matrix (S4)

___ Sandy Redox (S5)
___ Stripped Matrix (S6)
X Loamy Mucky Mineral (F1)
___ Loamy Gleyed Matrix (F2)
___ Depleted Matrix (F3)
___ Redox Dark Surface (F6)
___ Depleted Dark Surface (F7)
___ Redox Depressions (F8)
___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) (**LRR C**)
___ 2 cm Muck (A10) (**LRR B**)
___ Reduced Vertic (F18)
X Red Parent Material (TF2)
___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
Type:
Depth (inches): 0

Hydric Soil Present? Yes

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

X Surface Water (A1)
___ High Water Table (A2)
X Saturation (A3)
___ Water Marks (B1) (**Nonriverine**)
___ Sediment Deposits (B2) (**Nonriverine**)
___ Drift Deposits (B3) (**Nonriverine**)
___ Surface Soil Cracks (B6)
___ Inundation Visible on Aerial Imagery (B7)
___ Water-Stained Leaves (B9)

___ Salt Crust (B11)
___ Biotic Crust (B12)
___ Aquatic Invertebrates (B13)
___ Hydrogen Sulfide Odor (C1)
___ Oxidized Rhizospheres along Living Roots (C3)
___ Presence of Reduced Iron (C4)
___ Recent Iron Reduction in Tilled Soils (C6)
___ Thin Muck Surface (C7)
___ Other (Explain in Remarks)

Secondary Indicators (two or more required)

___ Water Marks (B1) (**Riverine**)
___ Sediment Deposits (B2) (**Riverine**)
___ Drift Deposits (B3) (**Riverine**)
___ Drainage Patterns (B10)
___ Dry-Season Water Table (C2)
___ Crayfish Burrows (C8)
___ Saturation Visible on Aerial Imagery (C9)
___ Shallow Aquitard (D3)
___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes Depth (inches): 1
Water Table Present? No Depth (inches):
Saturation Present? (includes capillary fringe) Yes Depth (inches): 0

Wetland Hydrology Present? Yes

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Area frequently flooded.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: La Plata County Airport City/County: La Plata Sampling Date: 08/27/2014
Applicant/Owner: La Plata County/City of Durango State: CO Sampling Point: 2f
Investigator(s): Ryan Unterreiner Section, Township, Range: Sec.29, T34N, R8W
Landform (hillslope, terrace, etc.): Drainageway Local relief (concave, convex, none): concave Slope (%): 1
Subregion (LRR): Interior Deserts (LRR D) Lat: 2.00000000 Long: 2.00000000 Datum: WGS84
Soil Map Unit Name: Falfa Clay Loam, 3-8% NWI classification: PEM
Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)
Are Vegetation __, Soil __, or Hydrology __ significantly disturbed? Are "Normal Circumstances" present? Yes
Are Vegetation __, Soil __, or Hydrology __ naturally problematic? (if needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	**Is the Sampled Area within a Wetland?** Yes
Remarks: Slightly unusual depressional area with a less defined wetland boundary, as compared to elsewhere along the drainage.	

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
Total Cover = 0			
Sapling/Shrub Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
5.			
Total Cover = 0			
Herb Stratum (Plot size: 0)			
1. Calamagrostis canadensis	80	Yes	FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
Total Cover = 80			
Woody Vine Stratum (Plot size: 0)			
1.			
2.			
Total Cover = 0			

% Bare Ground in Herb Stratum: 20
% Cover of Biotic Crust: 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1(A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	80	x 2 =	160
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	80 (A)		160 (B)

Prevalence Index = B/A = 2.00

Hydrophytic Vegetation Indicators:
X Dominance Test is >50%
X Prevalence Index is ≤ 3.0[1]
X Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes

Remarks: Monoculture of bluejoint just away from the typical, narrow wetland band along the creek. Depressional area likely gets periodic flooding.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

SOIL Sampling Point 2f

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR 5/2	80	5YR 4/6	20	C	PL	Silt Loam	

[1] Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

___ Histosol (A1)
___ Histic Epipedon (A2)
___ Black Histic (A3)
___ Hydrogen Sulfide (A4)
___ Stratified Layers (A5) (**LRR C**)
___ 1 cm Muck (A9) (**LRR D**)
___ Depleted Below Dark Surface (A11)
___ Thick Dark Surface (A12)
___ Sandy Mucky Mineral (S1)
___ Sandy Gleyed Matrix (S4)
___ Sandy Redox (S5)
___ Stripped Matrix (S6)
___ Loamy Mucky Mineral (F1)
___ Loamy Gleyed Matrix (F2)
X Depleted Matrix (F3)
___ Redox Dark Surface (F6)
___ Depleted Dark Surface (F7)
___ Redox Depressions (F8)
___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) (**LRR C**)
___ 2 cm Muck (A10) (**LRR B**)
___ Reduced Vertic (F18)
___ Red Parent Material (TF2)
___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
Type:
Depth (inches): 0

Hydric Soil Present? Yes

Remarks: Falfa clay loam is partially hydric.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

___ Surface Water (A1)
___ High Water Table (A2)
X Saturation (A3)
___ Water Marks (B1) (**Nonriverine**)
___ Sediment Deposits (B2) (**Nonriverine**)
___ Drift Deposits (B3) (**Nonriverine**)
___ Surface Soil Cracks (B6)
___ Inundation Visible on Aerial Imagery (B7)
___ Water-Stained Leaves (B9)
___ Salt Crust (B11)
___ Biotic Crust (B12)
___ Aquatic Invertebrates (B13)
___ Hydrogen Sulfide Odor (C1)
___ Oxidized Rhizospheres along Living Roots (C3)
___ Presence of Reduced Iron (C4)
___ Recent Iron Reduction in Tilled Soils (C6)
___ Thin Muck Surface (C7)
___ Other (Explain in Remarks)

Secondary Indicators (two or more required)

___ Water Marks (B1) (**Riverine**)
___ Sediment Deposits (B2) (**Riverine**)
___ Drift Deposits (B3) (**Riverine**)
___ Drainage Patterns (B10)
___ Dry-Season Water Table (C2)
___ Crayfish Burrows (C8)
___ Saturation Visible on Aerial Imagery (C9)
___ Shallow Aquitard (D3)
___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? No Depth (inches):
Water Table Present? No Depth (inches):
Saturation Present? Yes Depth (inches): 6
(includes capillary fringe)

Wetland Hydrology Present? Yes

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Depressional area below but away from streambed likely gets peridocially flooded.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: La Plata County Airport City/County: La Plata Sampling Date: 08/27/2014
Applicant/Owner: La Plata County/City of Durango State: CO Sampling Point: 3f
Investigator(s): Ryan Unterreiner Section, Township, Range: Sec.29, T34N, R8W
Landform (hillslope, terrace, etc.): Drainageway Local relief (concave, convex, none): concave Slope (%): 0
Subregion (LRR): Interior Deserts (LRR D) Lat: 1.00000000 Long: 1.00000000 Datum: WGS84
Soil Map Unit Name: Falfa Clay Loam, 3-8% NWI classification: PEM
Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)
Are Vegetation X, Soil __, or Hydrology __ significantly disturbed? Are "Normal Circumstances" present? No
Are Vegetation X, Soil __, or Hydrology __ naturally problematic? (if needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes Hydric Soil Present? No Wetland Hydrology Present? No	**Is the Sampled Area within a Wetland?** No

Remarks: Vegetation is disturbed simply due to the presence of Canada thistle and evidence of dead cattails. Perhaps when the upgradient pasture was actively managed and irrigated, there was more irrigation runoff that cuased this depressional area to flood more regularly. Lack of hydric soil or hydrology removed this area from wetland consideration.

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
Total Cover = 0			
Sapling/Shrub Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
5.			
Total Cover = 0			
Herb Stratum (Plot size: 0)			
1. Cirsium arvense	70	Yes	FACU
2. Poa palustris	10	No	FAC
3.			
4.			
5.			
6.			
7.			
8.			
Total Cover = 80			
Woody Vine Stratum (Plot size: 0)			
1.			
2.			
Total Cover = 0			

% Bare Ground in Herb Stratum: 20
% Cover of Biotic Crust: 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0(A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	10	x 3 =	30
FACU species	70	x 4 =	280
UPL species	0	x 5 =	0
Column Totals:	80 (A)		310 (B)

Prevalence Index = B/A = 3.88

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤ 3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes

Remarks: Dead cattails in this low-lying, depressional area adjacent to the channel indicates this a potential relic wetland. Canada thistle may be more "facultative" than "facultative upland," depsite its listed indicator status in the Arid West Supplement. In the nearby Western Mountains Supplement, the wetland indicator status is "facultative." The growth habit along this drainage would suggest this to be true here.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

SOIL Sampling Point 3f

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-14	10YR 4/3	85	7.5YR 5/8	15	C	M	Loam	

[1] Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

___ Histosol (A1)
___ Histic Epipedon (A2)
___ Black Histic (A3)
___ Hydrogen Sulfide (A4)
___ Stratified Layers (A5) (**LRR C**)
___ 1 cm Muck (A9) (**LRR D**)
___ Depleted Below Dark Surface (A11)
___ Thick Dark Surface (A12)
___ Sandy Mucky Mineral (S1)
___ Sandy Gleyed Matrix (S4)
___ Sandy Redox (S5)
___ Stripped Matrix (S6)
___ Loamy Mucky Mineral (F1)
___ Loamy Gleyed Matrix (F2)
___ Depleted Matrix (F3)
___ Redox Dark Surface (F6)
___ Depleted Dark Surface (F7)
___ Redox Depressions (F8)
___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

___ 1 cm Muck (A9) (**LRR C**)
___ 2 cm Muck (A10) (**LRR B**)
___ Reduced Vertic (F18)
___ Red Parent Material (TF2)
___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
Type:
Depth (inches): 0

Hydric Soil Present? No

Remarks: Falfa clay loam, 3-8% is partially hydric.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

___ Surface Water (A1)
___ High Water Table (A2)
___ Saturation (A3)
___ Water Marks (B1) (**Nonriverine**)
___ Sediment Deposits (B2) (**Nonriverine**)
___ Drift Deposits (B3) (**Nonriverine**)
___ Surface Soil Cracks (B6)
___ Inundation Visible on Aerial Imagery (B7)
___ Water-Stained Leaves (B9)
___ Salt Crust (B11)
___ Biotic Crust (B12)
___ Aquatic Invertebrates (B13)
___ Hydrogen Sulfide Odor (C1)
___ Oxidized Rhizospheres along Living Roots (C3)
___ Presence of Reduced Iron (C4)
___ Recent Iron Reduction in Tilled Soils (C6)
___ Thin Muck Surface (C7)
___ Other (Explain in Remarks)

Secondary Indicators (two or more required)

___ Water Marks (B1) (**Riverine**)
___ Sediment Deposits (B2) (**Riverine**)
___ Drift Deposits (B3) (**Riverine**)
___ Drainage Patterns (B10)
___ Dry-Season Water Table (C2)
___ Crayfish Burrows (C8)
___ Saturation Visible on Aerial Imagery (C9)
___ Shallow Aquitard (D3)
___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? No Depth (inches):
Water Table Present? No Depth (inches):
Saturation Present? No Depth (inches):
(includes capillary fringe)

Wetland Hydrology Present? No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Low-lying area adjacent to the drainage...may recieve periodic flooding.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: La Plata County Airport City/County: La Plata Sampling Date: 08/27/2014
Applicant/Owner: La Plata County/City of Durango State: CO Sampling Point: 4f
Investigator(s): Ryan Unterreiner Section, Township, Range:
Landform (hillslope, terrace, etc.): Drainageway Local relief (concave, convex, none): concave Slope (%): 1
Subregion (LRR): Interior Deserts (LRR D) Lat: 4.00000000 Long: 4.00000000 Datum: WGS84
Soil Map Unit Name: _ NWI classification: pem
Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)
Are Vegetation X, Soil __, or Hydrology __ significantly disturbed? Are "Normal Circumstances" present? Yes
Are Vegetation X, Soil __, or Hydrology __ naturally problematic? (if needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	**Is the Sampled Area within a Wetland?** Yes
Remarks:	

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
Total Cover = 0			
Sapling/Shrub Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
5.			
Total Cover = 0			
Herb Stratum (Plot size: 0)			
1. Cirsium arvense	90	Yes	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
Total Cover = 90			
Woody Vine Stratum (Plot size: 0)			
1.			
2.			
Total Cover = 0			

% Bare Ground in Herb Stratum: 10
% Cover of Biotic Crust: 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0(A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	90	x 4 =	360
UPL species	0	x 5 =	0
Column Totals:	90 (A)		360 (B)

Prevalence Index = B/A = 4.00

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤ 3.0[1]
_X_ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes

Remarks: Dead cattails in this low-lying, depressional area adjacent to the channel indicates this a potential relic wetland. Canada thistle may be more "facultative" than "facultative upland," depsite its listed indicator status in the Arid West Supplement. In the nearby Western Mountains Supplement, the wetland indicator status is "facultative." The growth habit along this drainage would suggest this to be true here. Therefore, vegetation is assumed to be hydric for this reason.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

SOIL Sampling Point 4f

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR 4/2	80	7.5YR 5/8	20	C	M	Loam	

[1] Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

___ Histosol (A1)	___ Sandy Redox (S5)	**Indicators for Problematic Hydric Soils[3]:**
___ Histic Epipedon (A2)	___ Stripped Matrix (S6)	___ 1 cm Muck (A9) (**LRR C**)
___ Black Histic (A3)	___ Loamy Mucky Mineral (F1)	___ 2 cm Muck (A10) (**LRR B**)
___ Hydrogen Sulfide (A4)	___ Loamy Gleyed Matrix (F2)	___ Reduced Vertic (F18)
___ Stratified Layers (A5) (**LRR C**)	X Depleted Matrix (F3)	___ Red Parent Material (TF2)
___ 1 cm Muck (A9) (**LRR D**)	___ Redox Dark Surface (F6)	___ Other (Explain in Remarks)
___ Depleted Below Dark Surface (A11)	___ Depleted Dark Surface (F7)	
___ Thick Dark Surface (A12)	___ Redox Depressions (F8)	[3]Indicators of hydrophytic vegetation and
___ Sandy Mucky Mineral (S1)	___ Vernal Pools (F9)	wetland hydrology must be present, unless
___ Sandy Gleyed Matrix (S4)		disturbed or problematic.

Restrictive Layer (if present):
Type:
Depth (inches): 0

Hydric Soil Present? Yes

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (two or more required)
___ Surface Water (A1)	___ Salt Crust (B11)	___ Water Marks (B1) (**Riverine**)
___ High Water Table (A2)	___ Biotic Crust (B12)	___ Sediment Deposits (B2) (**Riverine**)
___ Saturation (A3)	___ Aquatic Invertebrates (B13)	___ Drift Deposits (B3) (**Riverine**)
___ Water Marks (B1) (**Nonriverine**)	___ Hydrogen Sulfide Odor (C1)	X Drainage Patterns (B10)
___ Sediment Deposits (B2) (**Nonriverine**)	X Oxidized Rhizospheres along Living Roots (C3)	___ Dry-Season Water Table (C2)
___ Drift Deposits (B3) (**Nonriverine**)	___ Presence of Reduced Iron (C4)	___ Crayfish Burrows (C8)
___ Surface Soil Cracks (B6)	___ Recent Iron Reduction in Tilled Soils (C6)	X Saturation Visible on Aerial Imagery (C9)
___ Inundation Visible on Aerial Imagery (B7)	___ Thin Muck Surface (C7)	___ Shallow Aquitard (D3)
___ Water-Stained Leaves (B9)	___ Other (Explain in Remarks)	___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	No	Depth (inches):
Water Table Present?	No	Depth (inches):
Saturation Present? (includes capillary fringe)	No	Depth (inches):

Wetland Hydrology Present? Yes

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: La Plata County Airport City/County: La Plata Sampling Date: 08/27/2014
Applicant/Owner: La Plata County/City of Durango State: CO Sampling Point: 5f
Investigator(s): Ryan Unterreiner Section, Township, Range: Sec.29, T34N, R8W
Landform (hillslope, terrace, etc.): Stream terrace Local relief (concave, convex, none): convex Slope (%): 3
Subregion (LRR): Interior Deserts (LRR D) Lat: 5.00000000 Long: 5.00000000 Datum: WGS84
Soil Map Unit Name: Falfa clay loam, 3-8% NWI classification: PEM
Are climatic/hydrologic conditions on the site typical for this time of year? Yes (if no, explain in Remarks.)
Are Vegetation __, Soil __, or Hydrology __ significantly disturbed? Are "Normal Circumstances" present? Yes
Are Vegetation __, Soil __, or Hydrology __ naturally problematic? (if needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	**Is the Sampled Area within a Wetland?** Yes
Remarks: A high terrace/wet meadow adjacent to the drainage.	

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
Total Cover = 0			
Sapling/Shrub Stratum (Plot size: 0)			
1.			
2.			
3.			
4.			
5.			
Total Cover = 0			
Herb Stratum (Plot size: 0)			
1. Juncus balticus	40	Yes	FACW
2. Panicum virgatum	30	Yes	FACW
3. Asclepias speciosa	3	No	FAC
4. Epilobium ciliatum	10	No	FACW
5. Poa palustris	5	No	FAC
6.			
7.			
8.			
Total Cover = 88			
Woody Vine Stratum (Plot size: 0)			
1.			
2.			
Total Cover = 0			
% Bare Ground in Herb Stratum: 12			
% Cover of Biotic Crust: 0			

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2(A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	80	x 2 =	160
FAC species	8	x 3 =	24
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	88 (A)		184 (B)

Prevalence Index = B/A = 2.09

Hydrophytic Vegetation Indicators:
X Dominance Test is >50%
X Prevalence Index is ≤ 3.0[1]
X Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes

Remarks:

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

SOIL Sampling Point 5f

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-14	10YR 3/2	95	7.5YR 4/6	5	C	PL	Loam	

[1] Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

___ Histosol (A1)	___ Sandy Redox (S5)	___ 1 cm Muck (A9) (LRR C)
___ Histic Epipedon (A2)	___ Stripped Matrix (S6)	___ 2 cm Muck (A10) (LRR B)
___ Black Histic (A3)	___ Loamy Mucky Mineral (F1)	___ Reduced Vertic (F18)
___ Hydrogen Sulfide (A4)	___ Loamy Gleyed Matrix (F2)	___ Red Parent Material (TF2)
___ Stratified Layers (A5) (LRR C)	X Depleted Matrix (F3)	___ Other (Explain in Remarks)
___ 1 cm Muck (A9) (LRR D)	___ Redox Dark Surface (F6)	
___ Depleted Below Dark Surface (A11)	___ Depleted Dark Surface (F7)	
___ Thick Dark Surface (A12)	___ Redox Depressions (F8)	[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
___ Sandy Mucky Mineral (S1)	___ Vernal Pools (F9)	
___ Sandy Gleyed Matrix (S4)		

Indicators for Problematic Hydric Soils[3]:

Restrictive Layer (if present):
Type:
Depth (inches): 0

Hydric Soil Present? Yes

Remarks: Falfa clay loam, 3-8% is partially hydric

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (two or more required)
___ Surface Water (A1)	___ Salt Crust (B11)	___ Water Marks (B1) (Riverine)
___ High Water Table (A2)	___ Biotic Crust (B12)	___ Sediment Deposits (B2) (Riverine)
___ Saturation (A3)	___ Aquatic Invertebrates (B13)	___ Drift Deposits (B3) (Riverine)
___ Water Marks (B1) (Nonriverine)	___ Hydrogen Sulfide Odor (C1)	___ Drainage Patterns (B10)
___ Sediment Deposits (B2) (Nonriverine)	X Oxidized Rhizospheres along Living Roots (C3)	___ Dry-Season Water Table (C2)
___ Drift Deposits (B3) (Nonriverine)	___ Presence of Reduced Iron (C4)	___ Crayfish Burrows (C8)
___ Surface Soil Cracks (B6)	___ Recent Iron Reduction in Tilled Soils (C6)	___ Saturation Visible on Aerial Imagery (C9)
___ Inundation Visible on Aerial Imagery (B7)	___ Thin Muck Surface (C7)	___ Shallow Aquitard (D3)
___ Water-Stained Leaves (B9)	___ Other (Explain in Remarks)	___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	No	Depth (inches):
Water Table Present?	No	Depth (inches):
Saturation Present? (includes capillary fringe)	No	Depth (inches):

Wetland Hydrology Present? Yes

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Evidence of a high water table.

Wetlands data compiled using Electronic Data Solutions' Everglade™ wetland delineation software. Arid West Region

Appendix D: Photographs

Photograph 1. Looking north at Wetland M, a stormwater detention basin.

Photograph 2. Looking northwest at Wetland J, a stormwater detention basin.

Photograph 3. View looking west at Wetland G.

Photograph 4. View looking north at Wetland G.

Photograph 5. View looking southeast from airport storm drain into Wetland F.

Photograph 6. View looking northeast at Wetland F

Photograph 7. View looking northeast along Wetland F boundary, dominated by Canada thistle.

Photograph 8. View looking north across excavated pond at the Wetland I boundary.

Photograph 9. Typical ditch/lateral in northeast agricultural field.

Photograph 10. Typical irrigated wetland habitat, northeast agricultural field.

Photograph 11. Typical seep wetland forming below the rim in a natural drainage.

Photograph 12. Looking upstream at Florida River, typical cross section.

Photograph 13. Looking upstream at the bench wetland east of the airport.

Photograph 14. Looking upstream at the CR 309a roadside drainage conveying irrigation return flows to the Florida River valley floor.

APPENDIX I

AIR QUALITY and GHG APPENDIX
Construction Emissions
ACEIT Inputs and Outputs

Project Assumptions

Weather for scenarios: https://weatherspark.com/averages/30086/Durango-Colorado-United-States

Over the course of a year, the temperature typically varies from 12°F to 87°F and is rarely below -1°F or above 92°F.

The *warm season* lasts from May 31 to September 9 with an average daily high temperature above 77°F. The hottest day of the year is July 11, with an average high of 87°F and low of 54°F.

The *cold season* lasts from November 22 to March 5 with an average daily high temperature below 47°F. The coldest day of the year is January 12, with an average low of 12°F and high of 37°F.

Winter 6 months Jan to March & Oct to Dec [Avg Daily 10<T<=30 F]
Max & Min temp changes between 10 -20 F

Summer 6 months April to Sept [Avg Daily 50<T<=80 F]
Max & Min temp changes between 10 -20 F

ACEIT Inputs

Alternative 1 - Renovate/Expand Existing Terminal						
ACEIT Scenario ID	**Year**	**Number of Months**	**Season**	**Project**	**Cost ($ Million)**	**Area (sqft)**
1	2019	6	Winter	Parking Lot	2.65	235,200
2	2019	6	Summer	Parking Lot	2.65	235,200
3	2020	6	Winter	Access Road	0.75	72,000
4	2020	6	Summer	Access Road	0.75	72,000
				Terminal Building	27.2	100,000
				Terminal Apron	3.06	54,000
5	2020	4	Winter	Terminal Building	18.2	100,000
				Terminal Apron	2.0	36,000

Alternative 2 - Construct New Terminal Adjacent to Existing Terminal						
ACEIT Scenario ID	**Year**	**Number of Months**	**Season**	**Project**	**Cost ($ Million)**	**Area (sqft)**
1	2019	6	Winter	Terminal Building	10.4	100,000
				Parking Lot	2.8	237,000
				Terminal Apron	1.7	202,500
2	2019	6	Summer	Terminal Building	10.4	100,000
				Parking Lot	2.8	237,000
				Terminal Apron	1.7	202,500
3	2020	6	Winter	Access Road	0.8	36,000
				Terminal Building	10.4	100,000

				Terminal Apron	1.7	202,500
4	2020	6	Summer	Access Road	0.8	36,000
				Terminal Building	10.4	100,000
				Terminal Apron	1.7	202,500

Alternative 3 - Construct New Terminal on Eastside of Runway						
ACEIT Scenario ID	**Year**	**Number of Months**	**Season**	**Project**	**Cost ($ Million)**	**Area (sqft)**
1	2019	6	Summer	Terminal Building	12.1	100,000
				Taxiways	6.2	129,975
				Terminal Apron	2.4	61,500
2	2019	6	Winter	Terminal Building	12.1	100,000
				Terminal Apron	2.4	61,500
3	2020	6	Summer	Access Road	0.75	51,840
				Terminal Building	12.1	100,000
				Parking Lot	3.5	567,000
				Terminal Apron	2.4	61,500
4	2020	4	Winter	Access Road	0.75	34,560
				Terminal Building	8	100,000
				Parking Lot	2.3	378,000
				Terminal Apron	1.6	40,875
5	2020	5	Winter	Taxiways	5.1	106,275

Construction Emission Results

Alternative 1 - Renovate/Expand Existing Terminal										
Year	**Source**	**Short Tons**						**Metric Tons**		
		CO	**NO_x**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**	**VOC**	**CO_2**	**CH_4**	**N_2O**
2019	NonRoad	1.1	2.0	<0.1	0.1	0.1	0.4	1,140	--	--
	OnRoad	5.1	0.7	<0.1	<0.1	<0.1	0.2	487	0.1	<0.1
	Fugitive	1.1	0.1	<0.1	0.7	--	17.5	--	--	--
	TOTAL	**7.4**	**2.7**	**<0.1**	**0.8**	**0.1**	**18.1**	**1,627**	**0.1**	**<0.1**
2020	NonRoad	4.3	9.4	<0.1	0.5	0.5	2.0	5,975	--	--
	OnRoad	19.2	1.2	<0.1	0.1	<0.1	0.7	1,302	0.2	<0.1
	Fugitive	0.6	<0.1	<0.1	0.8	--	8.7	--	--	--
	TOTAL	**24.1**	**10.6**	**0.1**	**1.4**	**0.5**	**11.4**	**7,277**	**0.2**	**<0.1**

Alternative 2 - Construct New Terminal Adjacent to Existing Terminal										
Year	**Source**	**Short Tons**						**Metric Tons**		
		CO	**NO_x**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**	**VOC**	**CO_2**	**CH_4**	**N_2O**
2019	NonRoad	5.4	11.6	<0.1	0.7	0.6	2.2	6,433	--	--
	OnRoad	17.2	1.8	<0.1	0.1	0.1	0.6	1,372	0.3	<0.1
	Fugitive	2.1	0.1	<0.1	1.8	--	32.7	--	--	--
	TOTAL	**24.8**	**13.5**	**0.1**	**2.5**	**0.7**	**35.5**	**7,805**	**0.3**	**<0.1**
2020	NonRoad	4.7	10.1	<0.1	0.5	0.5	2.1	6,455	--	--
	OnRoad	17.2	1.3	<0.1	0.1	0.1	0.6	1,165	0.2	<0.1
	Fugitive	1.2	0.1	<0.1	1.3	--	17.7	--	--	--
	TOTAL	**23.0**	**11.4**	**0.1**	**1.9**	**0.6**	**20.5**	**7,619**	**0.2**	**<0.1**

Alternative 3 - Construct New Terminal on Eastside of Runway										
Year	**Source**	**Short Tons**						**Metric Tons**		
		CO	**NO_x**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**	**VOC**	**CO_2**	**CH_4**	**N_2O**
2019	NonRoad	4.1	9.3	<0.1	0.5	0.5	1.7	5,162	--	--
	OnRoad	14.2	1.0	<0.1	<0.1	<0.1	0.5	970	0.2	<0.1
	Fugitive	0.6	<0.1	<0.1	0.8	--	9.4	--	--	--
	TOTAL	**18.9**	**10.4**	**0.1**	**1.4**	**0.5**	**11.7**	**6,132**	**0.2**	<0.1
2020	NonRoad	6.7	13.7	<0.1	0.8	0.7	3.0	8,790	--	--
	OnRoad	19.3	2.1	<0.1	0.1	0.1	0.7	1,730	0.3	0.1
	Fugitive	3.0	0.2	<0.1	2.7	--	46.1	--	--	--
	TOTAL	**29.0**	**16.0**	**0.1**	**3.5**	**0.8**	**49.8**	**10,520**	**0.3**	**0.1**

ALTERNATIVE 1 - AQ & GHG Construction Emissions

Airport Construction Emissions Inventory Tool (ACEIT)
Version 1.0
Run Date & Time: 11/5/2018 3:35:40 PM

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STUDY

Study Name

Alt 1b Renovate/Expand

Study Description

Alternative Parking Lc Loop Rd & Terminal Apron

==========
EMISSIONS INVENTORY - SUMMARY

Total Emissions by Year
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Year	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
2019	7.357641	2.748893	0.026214	0.843169	0.139585	18.11204	1626.724	0.088639	0.015494
2020	24.11941	10.64959	0.062179	1.388301	0.523156	11.4114	7277.063	0.229262	0.024352

Total Emissions by Source Categories
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases Emission: Metric Ton

Year	Emission S	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
2019	NonRoad	1.12063	1.996224	0.006506	0.122619	0.11281	0.438372	1139.633	--	--
2019	OnRoad	5.09881	0.681569	0.006608	0.0281	0.026775	0.187868	487.0914	0.088639	0.015494
2019	Fugitive	1.1382	0.0711	0.0131	0.69245	--	17.4858	--	--	--
2019	TOTAL	7.357641	2.748893	0.026214	0.843169	0.139585	18.11204	1626.724	0.088639	0.015494
2020	NonRoad	4.310507	9.412157	0.033067	0.515035	0.473833	1.968373	5975.116	--	--
2020	OnRoad	19.24276	1.202031	0.022608	0.052765	0.049323	0.744732	1301.947	0.229262	0.024352
2020	Fugitive	0.56615	0.0354	0.006505	0.8205	--	8.698294	--	--	--
2020	TOTAL	24.11941	10.64959	0.062179	1.388301	0.523156	11.4114	7277.063	0.229262	0.024352

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EMISSIONS INVENTORY - DETAILS:

Non-Road Sources
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Scenario Id	Year	Project	Constructi	Equipment	Fuel	HP	Averag	Load Factc	Hours of A	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	
1	2019	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	32.634	0.00189	0.004369	1.06E-05	0.000426	0.000392	0.000642	1.80714		
1	2019	Parking Lo	Asphalt Pl	Dump Tru	Diesel	600	0.59	117.5338	0.011147	0.033323	0.000122	0.001367	0.001257	0.00657	22.31794		
1	2019	Parking Lo	Asphalt Pl	Other Gen	Diesel	175	0.43	65.268	0.002365	0.008657	1.60E-05	0.000581	0.000534	0.001022	2.605446		
1	2019	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	600	0.59	32.634	0.003095	0.009252	3.40E-05	0.000379	0.000349	0.001851	6.196715		
1	2019	Parking Lo	Asphalt Pl	Roller	Diesel	100	0.59	32.634	0.003217	0.003242	6.84E-06	0.000405	0.000373	0.000416	1.146762		
1	2019	Parking Lo	Asphalt Pl	Skid Steer	Diesel	75	0.21	32.634	0.002608	0.002734	2.41E-06	0.000385	0.000355	0.000567	0.356322		
1	2019	Parking Lo	Asphalt Pl	Surfacing E	Diesel	25	0.59	41.77152	0.001621	0.003028	2.72E-06	0.00024	0.000221	0.000322	0.366428		
1	2019	Parking Lo	Clearing ar	Chain Saw	Diesel	11	0.7	68.4	0.170417	0.000768	8.14E-05	0.005659	0.005207	0.039591	0.361301	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
1	2019	Parking Lo	Clearing ar	Chipper/Sh	Diesel	100	0.43	68.4	0.00588	0.010503	1.14E-05	0.001031	0.000949	0.001217	1.733075		
1	2019	Parking Lo	Clearing ar	Pickup Tru	Diesel	600	0.59	91.2	0.00865	0.025857	9.49E-05	0.00106	0.000976	0.005106	17.31753		
1	2019	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	24	0.002276	0.006804	2.50E-05	0.000279	0.000257	0.001371	4.557246		
1	2019	Parking Lo	Curbing	Curb/Gutt	Diesel	175	0.59	24	0.00139	0.003213	7.83E-06	0.000313	0.000288	0.00048	1.329023		
1	2019	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	24	0.00087	0.003183	5.87E-06	0.000214	0.000196	0.000395	0.958061		
1	2019	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	24	0.002276	0.006804	2.50E-05	0.000279	0.000257	0.001371	4.557246		
1	2019	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	38.72	0.001902	0.00443	1.24E-05	0.000413	0.00038	0.000721	2.144248		
1	2019	Parking Lo	Drainage -	Dump Tru	Diesel	600	0.59	38.72	0.003672	0.010978	4.03E-05	0.00045	0.000414	0.002189	7.352357		
1	2019	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	38.72	0.001481	0.003615	1.20E-05	0.000295	0.000271	0.000682	2.144339		
1	2019	Parking Lo	Drainage -	Loader	Diesel	175	0.59	38.72	0.002452	0.005721	1.28E-05	0.000562	0.000517	0.000783	2.144094		
1	2019	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	38.72	0.001403	0.005136	9.47E-06	0.000344	0.000317	0.000619	1.545671		
1	2019	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	38.72	0.003672	0.010978	4.03E-05	0.00045	0.000414	0.002189	7.352357		
1	2019	Parking Lo	Drainage -	Roller	Diesel	100	0.59	38.72	0.003817	0.003847	8.12E-06	0.00048	0.000442	0.00049	1.360624		
1	2019	Parking Lo	Drainage -	Dump Tru	Diesel	600	0.59	64.53333	0.006121	0.018296	6.71E-05	0.00075	0.00069	0.003624	12.25393		
1	2019	Parking Lo	Drainage -	Loader	Diesel	175	0.59	64.53333	0.004087	0.009535	2.13E-05	0.000936	0.000861	0.001285	3.573489		
1	2019	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	64.53333	0.002338	0.00856	1.58E-05	0.000574	0.000528	0.001011	2.576119		
1	2019	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	64.53333	0.006121	0.018296	6.71E-05	0.00075	0.00069	0.003624	12.25393		
1	2019	Parking Lo	Drainage -	Tractors/L	Diesel	100	0.21	64.53333	0.006369	0.005004	6.12E-06	0.000894	0.000823	0.001093	0.940445		
1	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	145.04	0.007124	0.016593	4.63E-05	0.001546	0.001422	0.002633	8.032069		
1	2019	Parking Lo	Excavation	Dump Tru	Diesel	600	0.59	145.04	0.013756	0.041121	0.000151	0.001687	0.001552	0.008099	27.54096		
1	2019	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	145.04	0.013756	0.041121	0.000151	0.001687	0.001552	0.008099	27.54096		
1	2019	Parking Lo	Excavation	Roller	Diesel	100	0.59	66.94154	0.006599	0.006651	1.40E-05	0.000831	0.000764	0.00083	2.352332		
1	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	108.78	0.005343	0.012445	3.47E-05	0.001159	0.001067	0.001981	6.024052		
1	2019	Parking Lo	Excavation	Dump Tru	Diesel	600	0.59	290.08	0.027512	0.082243	0.000302	0.003373	0.003103	0.01616	55.08191		
1	2019	Parking Lo	Excavation	Excavator	Diesel	175	0.59	87.024	0.003329	0.008126	2.71E-05	0.000662	0.000609	0.001509	4.819446		
1	2019	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	87.024	0.008254	0.024673	9.05E-05	0.001012	0.000931	0.004874	16.52457		
1	2019	Parking Lo	Excavation	Roller	Diesel	100	0.59	87.024	0.008578	0.008646	1.83E-05	0.00108	0.000993	0.001072	3.058031		
1	2019	Parking Lo	Excavation	Scraper	Diesel	600	0.59	108.78	0.026536	0.065244	0.000125	0.003989	0.00367	0.006789	20.65395		
1	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	40.95247	0.002011	0.004685	1.31E-05	0.000436	0.000402	0.000761	2.267878		
1	2019	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	13.33333	0.001265	0.00378	1.39E-05	0.000155	0.000143	0.000778	2.531803		
1	2019	Parking Lo	Fencing	Dump Tru	Diesel	600	0.59	53.33333	0.005058	0.015121	5.55E-05	0.00062	0.000571	0.003002	10.12721		
1	2019	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	53.33333	0.001933	0.007074	1.30E-05	0.000474	0.000436	0.000841	2.129024		
1	2019	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	53.33333	0.005058	0.015121	5.55E-05	0.00062	0.000571	0.003002	10.12721		
1	2019	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	53.33333	0.004262	0.004468	3.93E-06	0.00063	0.000579	0.000893	0.582332		
1	2019	Parking Lo	Fencing	Tractors/L	Diesel	100	0.21	53.33333	0.005264	0.004135	5.06E-06	0.000739	0.00068	0.000918	0.777227		
1	2019	Parking Lo	Grading	Dozer	Diesel	175	0.59	27.6679	0.001359	0.003165	8.84E-06	0.000295	0.000271	0.000522	1.532201		
1	2019	Parking Lo	Grading	Grader	Diesel	300	0.59	27.6679	0.001495	0.004749	1.47E-05	0.000243	0.000224	0.000837	2.626746		
1	2019	Parking Lo	Grading	Roller	Diesel	100	0.59	27.6679	0.002727	0.002749	5.80E-06	0.000343	0.000316	0.000356	0.972253		
1	2019	Parking Lo	Hydroseed	Hydroseed	Diesel	600	0.59	24.926	0.002364	0.007067	2.59E-05	0.00029	0.000267	0.001423	4.73308		
1	2019	Parking Lo	Hydroseed	Off-Road T	Diesel	600	0.59	24.926	0.002364	0.007067	2.59E-05	0.00029	0.000267	0.001423	4.73308		
1	2019	Parking Lo	Markings	Flatbed Tr	Diesel	600	0.59	6.381714	0.000605	0.001809	6.64E-06	7.42E-05	6.83E-05	0.000392	1.211793		
1	2019	Parking Lo	Markings	Other Gen	Diesel	175	0.43	6.381714	0.000231	0.000847	1.56E-06	5.68E-05	5.22E-05	0.000128	0.254753		
1	2019	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	6.381714	0.000605	0.001809	6.64E-06	7.42E-05	6.83E-05	0.000392	1.211793		
1	2019	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002705	9.114492		
1	2019	Parking Lo	Sidewalks	Dump Tru	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002705	9.114492		
1	2019	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002705	9.114492		
1	2019	Parking Lo	Sidewalks	Tractors/L	Diesel	100	0.21	48	0.004738	0.003722	4.55E-06	0.000665	0.000612	0.000834	0.699504		
1	2019	Parking Lo	Sidewalks	Vibratory (	Diesel	6	0.43	48	0.000608	0.000611	5.42E-07	5.46E-05	5.02E-05	8.52E-05	0.072879		
1	2019	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	22.8	0.000826	0.003024	5.58E-06	0.000203	0.000187	0.000377	0.910158		
1	2019	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	45.6	0.004325	0.012928	4.74E-05	0.00053	0.000488	0.002572	8.658767		
1	2019	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	22.8	0.00053	0.000553	4.72E-07	5.14E-05	4.73E-05	7.97E-05	0.063455		
1	2019	Parking Lo	Soil Erosio	Tractors/L	Diesel	100	0.21	22.8	0.00225	0.001768	2.16E-06	0.000316	0.000291	0.00044	0.332265		
1	2019	Parking Lo	Street Ligh	Dump Tru	Diesel	600	0.59	15.73333	0.001492	0.004461	1.64E-05	0.000183	0.000168	0.000912	2.987528		
1	2019	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	15.73333	0.000997	0.002325	5.20E-06	0.000228	0.00021	0.000336	0.871223		
1	2019	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	15.73333	0.00057	0.002087	3.85E-06	0.00014	0.000129	0.00027	0.628062		
1	2019	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	15.73333	0.001492	0.004461	1.64E-05	0.000183	0.000168	0.000912	2.987528		
1	2019	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	15.73333	0.001257	0.001318	1.16E-06	0.000186	0.000171	0.000301	0.171788		
1	2019	Parking Lo	Street Ligh	Tractors/L	Diesel	100	0.21	15.73333	0.001553	0.00122	1.49E-06	0.000218	0.000201	0.00033	0.229282		
1	2019	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	54.96253	0.002699	0.006288	1.76E-05	0.000586	0.000539	0.001013	3.043732		
1	2019	Parking Lo	Subbase P	Dump Tru	Diesel	600	0.59	386.7733	0.036683	0.109657	0.000402	0.004497	0.004138	0.021535	73.44255		
1	2019	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	54.96253	0.005213	0.015583	5.72E-05	0.000639	0.000588	0.003092	10.43657		
1	2019	Parking Lo	Subbase P	Roller	Diesel	100	0.59	53.55323	0.005279	0.005321	1.12E-05	0.000664	0.000611	0.000669	1.881865		
1	2019	Parking Lo	Topsoil Pla	Dozer	Diesel	175	0.59	61.484	0.00302	0.007034	1.96E-05	0.000655	0.000603	0.00113	3.40488		
1	2019	Parking Lo	Topsoil Pla	Dump Tru	Diesel	600	0.59	61.484	0.005831	0.017432	6.40E-05	0.000715	0.000658	0.003455	11.6749		
1	2019	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	600	0.59	61.484	0.005831	0.017432	6.40E-05	0.000715	0.000658	0.003455	11.6749		
1	2019	Parking Lo	Tree Planti	Flatbed Tr	Diesel	600	0.59	0	0	0	0	0	0	3.72E-05	0		
1	2019	Parking Lo	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	3.06E-05	0		
1	2019	Parking Lo	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	3.72E-05	0		
1	2019	Parking Lo	Tree Planti	Tractors/L	Diesel	100	0.21	0	0	0	0	0	0	8.40E-05	0		
2	2019	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	32.634	0.00189	0.004369	1.06E-05	0.000426	0.000392	0.000655	1.80714		
2	2019	Parking Lo	Asphalt Pl	Dump Tru	Diesel	600	0.59	117.5338	0.011147	0.033323	0.000122	0.001367	0.001257	0.006587	22.31794		
2	2019	Parking Lo	Asphalt Pl	Other Gen	Diesel	175	0.43	65.268	0.002365	0.008657	1.60E-05	0.000581	0.000534	0.001037	2.605446		
2	2019	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	600	0.59	32.634	0.003095	0.009252	3.40E-05	0.000379	0.000349	0.001868	6.196714		
2	2019	Parking Lo	Asphalt Pl	Roller	Diesel	100	0.59	32.634	0.003217	0.003242	6.84E-06	0.000405	0.000373	0.000426	1.146762		
2	2019	Parking Lo	Asphalt Pl	Skid Steer	Diesel	75	0.21	32.634	0.002608	0.002734	2.41E-06	0.000385	0.000355	0.000591	0.356322		
2	2019	Parking Lo	Asphalt Pl	Surfacing E	Diesel	25	0.59	41.77152	0.001621	0.003028	2.72E-06	0.00024	0.000221	0.000322	0.366428		
2	2019	Parking Lo	Clearing ar	Chain Saw	Diesel	11	0.7	68.4	0.170417	0.000768	8.14E-05	0.005659	0.005207	0.039671	0.361301	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
2	2019	Parking Lo	Clearing ar	Chipper/Sh	Diesel	100	0.43	68.4	0.00588	0.010503	1.14E-05	0.001031	0.000949	0.00129	1.733075		
2	2019	Parking Lo	Clearing ar	Pickup Tru	Diesel	600	0.59	91.2	0.00865	0.025857	9.49E-05	0.00106	0.000976	0.005123	17.31753		
2	2019	Parking Lo	Concrete F	Air Compr	Diesel	100	0.43	87.024	0.005118	0.008413	1.37E-05	0.000749	0.000689	0.000955	2.206643		
2	2019	Parking Lo	Concrete F	Concrete S	Diesel	40	0.59	87.024	0.001359	0.007693	7.08E-06	0.000194	0.000179	0.000398	1.223274		

2	2019	Parking Lo	Concrete F	Concrete T	Diesel	600	0.59	362.6	0.03439	0.102804	0.000377	0.004216	0.003879	0.020208	68.85238			
2	2019	Parking Lo	Concrete F	Other Gen	Diesel	175	0.43	174.048	0.006307	0.023087	4.26E-05	0.001548	0.001424	0.00269	6.947856			
2	2019	Parking Lo	Concrete F	Pickup Tru	Diesel	600	0.59	261.072	0.024761	0.074019	0.000272	0.003036	0.002793	0.014565	49.57372			
2	2019	Parking Lo	Concrete F	Rubber Tir	Diesel	175	0.59	87.024	0.005512	0.012858	2.88E-05	0.001262	0.001161	0.001736	4.818895			
2	2019	Parking Lo	Concrete F	Slip Form I	Diesel	175	0.59	87.024	0.005041	0.01165	2.84E-05	0.001136	0.001045	0.001679	4.819039			
2	2019	Parking Lo	Concrete F	Surfacing E	Diesel	25	0.59	87.024	0.003378	0.006309	5.67E-06	0.0005	0.00046	0.000669	0.763392			
2	2019	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	24	0.002276	0.006804	2.50E-05	0.000279	0.000257	0.001388	4.557245			
2	2019	Parking Lo	Curbing	Curb/Gutt	Diesel	175	0.59	24	0.00139	0.003213	7.83E-06	0.000313	0.000288	0.000492	1.329023			
2	2019	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	24	0.00087	0.003183	5.87E-06	0.000214	0.000196	0.000409	0.958061			
2	2019	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	24	0.002276	0.006804	2.50E-05	0.000279	0.000257	0.001388	4.557245			
2	2019	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	38.72	0.001902	0.00443	1.24E-05	0.000413	0.00038	0.000731	2.144248			
2	2019	Parking Lo	Drainage -	Dump Tru	Diesel	600	0.59	38.72	0.003672	0.010978	4.03E-05	0.00045	0.000414	0.002206	7.352356			
2	2019	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	38.72	0.001481	0.003615	1.20E-05	0.000295	0.000271	0.00069	2.144339			
2	2019	Parking Lo	Drainage -	Loader	Diesel	175	0.59	38.72	0.002452	0.005721	1.28E-05	0.000562	0.000517	0.000796	2.144094			
2	2019	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	38.72	0.001403	0.005136	9.47E-06	0.000344	0.000317	0.000633	1.545671			
2	2019	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	38.72	0.003672	0.010978	4.03E-05	0.00045	0.000414	0.002206	7.352356			
2	2019	Parking Lo	Drainage -	Roller	Diesel	100	0.59	38.72	0.003817	0.003847	8.12E-06	0.00048	0.000442	0.0005	1.360624			
2	2019	Parking Lo	Drainage -	Dump Tru	Diesel	600	0.59	64.53333	0.006121	0.018296	6.71E-05	0.00075	0.00069	0.003641	12.25393			
2	2019	Parking Lo	Drainage -	Loader	Diesel	175	0.59	64.53333	0.004087	0.009535	2.13E-05	0.000936	0.000861	0.001298	3.573489			
2	2019	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	64.53333	0.002338	0.00856	1.58E-05	0.000574	0.000528	0.001025	2.576119			
2	2019	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	64.53333	0.006121	0.018296	6.71E-05	0.00075	0.00069	0.003641	12.25393			
2	2019	Parking Lo	Drainage -	Tractors/L	Diesel	100	0.21	64.53333	0.006369	0.005004	6.12E-06	0.000894	0.000823	0.00113	0.940445			
2	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	145.04	0.007124	0.016593	4.63E-05	0.001546	0.001422	0.002644	8.03207			
2	2019	Parking Lo	Excavation	Dump Tru	Diesel	600	0.59	145.04	0.013756	0.041121	0.000151	0.001687	0.001552	0.008115	27.54095			
2	2019	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	145.04	0.013756	0.041121	0.000151	0.001687	0.001552	0.008115	27.54095			
2	2019	Parking Lo	Excavation	Roller	Diesel	100	0.59	66.94154	0.006599	0.006651	1.40E-05	0.000831	0.000764	0.00084	2.352332			
2	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	108.78	0.005343	0.012445	3.47E-05	0.001159	0.001067	0.001992	6.024053			
2	2019	Parking Lo	Excavation	Dump Tru	Diesel	600	0.59	290.08	0.027512	0.082243	0.000302	0.003373	0.003103	0.016177	55.08191			
2	2019	Parking Lo	Excavation	Excavator	Diesel	175	0.59	87.024	0.003329	0.008126	2.71E-05	0.000662	0.000609	0.001517	4.819447			
2	2019	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	87.024	0.008254	0.024673	9.05E-05	0.001012	0.000931	0.004891	16.52457			
2	2019	Parking Lo	Excavation	Roller	Diesel	100	0.59	87.024	0.008578	0.008646	1.83E-05	0.00108	0.000993	0.001082	3.058031			
2	2019	Parking Lo	Excavation	Scraper	Diesel	600	0.59	108.78	0.026536	0.065244	0.000125	0.003989	0.00367	0.006834	20.65395			
2	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	40.95247	0.002011	0.004685	1.31E-05	0.000436	0.000402	0.000772	2.267879			
2	2019	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	13.33333	0.001265	0.00378	1.39E-05	0.000155	0.000143	0.000795	2.531803			
2	2019	Parking Lo	Fencing	Dump Tru	Diesel	600	0.59	53.33333	0.005058	0.015121	5.55E-05	0.00062	0.000571	0.003018	10.12721			
2	2019	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	53.33333	0.001933	0.007074	1.30E-05	0.000474	0.000436	0.000855	2.129024			
2	2019	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	53.33333	0.005058	0.015121	5.55E-05	0.00062	0.000571	0.003018	10.12721			
2	2019	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	53.33333	0.004262	0.004468	3.93E-06	0.00063	0.000579	0.000917	0.582332			
2	2019	Parking Lo	Fencing	Tractors/L	Diesel	100	0.21	53.33333	0.005264	0.004135	5.06E-06	0.000739	0.00068	0.000955	0.777227			
2	2019	Parking Lo	Grading	Dozer	Diesel	175	0.59	27.6679	0.001359	0.003165	8.84E-06	0.000295	0.000271	0.000533	1.532202			
2	2019	Parking Lo	Grading	Grader	Diesel	300	0.59	27.6679	0.001495	0.004749	1.47E-05	0.000243	0.000224	0.000849	2.626746			
2	2019	Parking Lo	Grading	Roller	Diesel	100	0.59	27.6679	0.002727	0.002749	5.80E-06	0.000343	0.000316	0.000366	0.972253			
2	2019	Parking Lo	Hydroseed	Hydroseed	Diesel	600	0.59	24.926	0.002364	0.007067	2.59E-05	0.00029	0.000267	0.001439	4.733079			
2	2019	Parking Lo	Hydroseed	Off-Road T	Diesel	600	0.59	24.926	0.002364	0.007067	2.59E-05	0.00029	0.000267	0.001439	4.733079			
2	2019	Parking Lo	Markings	Flatbed Tr	Diesel	600	0.59	6.381714	0.000605	0.001809	6.64E-06	7.42E-05	6.83E-05	0.000408	1.211793			
2	2019	Parking Lo	Markings	Other Gen	Diesel	175	0.43	6.381714	0.000231	0.000847	1.56E-06	5.68E-05	5.22E-05	0.000142	0.254753			
2	2019	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	6.381714	0.000605	0.001809	6.64E-06	7.42E-05	6.83E-05	0.000408	1.211793			
2	2019	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002722	9.114491			
2	2019	Parking Lo	Sidewalks	Dump Tru	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002722	9.114491			
2	2019	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002722	9.114491			
2	2019	Parking Lo	Sidewalks	Tractors/L	Diesel	100	0.21	48	0.004738	0.003722	4.55E-06	0.000665	0.000612	0.000872	0.699504			
2	2019	Parking Lo	Sidewalks	Vibratory (	Diesel	6	0.43	48	0.000608	0.000611	5.42E-07	5.46E-05	5.02E-05	8.56E-05	0.072879			
2	2019	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	22.8	0.000826	0.003024	5.58E-06	0.000203	0.000187	0.000391	0.910158			
2	2019	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	45.6	0.004325	0.012928	4.74E-05	0.00053	0.000488	0.002588	8.658766			
2	2019	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	22.8	0.00053	0.000553	4.72E-07	5.14E-05	4.73E-05	7.97E-05	0.063455			
2	2019	Parking Lo	Soil Erosio	Tractors/L	Diesel	100	0.21	22.8	0.00225	0.001768	2.16E-06	0.000316	0.000291	0.000478	0.332265			
2	2019	Parking Lo	Street Ligh	Dump Tru	Diesel	600	0.59	15.73333	0.001492	0.004461	1.64E-05	0.000183	0.000168	0.000928	2.987528			
2	2019	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	15.73333	0.000997	0.002325	5.20E-06	0.000228	0.00021	0.000349	0.871223			
2	2019	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	15.73333	0.00057	0.002087	3.85E-06	0.00014	0.000129	0.000284	0.628062			
2	2019	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	15.73333	0.001492	0.004461	1.64E-05	0.000183	0.000168	0.000928	2.987528			
2	2019	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	15.73333	0.001257	0.001318	1.16E-06	0.000186	0.000171	0.000325	0.171788			
2	2019	Parking Lo	Street Ligh	Tractors/L	Diesel	100	0.21	15.73333	0.001553	0.00122	1.49E-06	0.000218	0.000201	0.000367	0.229282			
2	2019	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	54.96253	0.002699	0.006288	1.76E-05	0.000586	0.000539	0.001024	3.043732			
2	2019	Parking Lo	Subbase P	Dump Tru	Diesel	600	0.59	386.7733	0.036683	0.109657	0.000402	0.004497	0.004138	0.021551	73.44254			
2	2019	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	54.96253	0.005213	0.015583	5.72E-05	0.000639	0.000588	0.003109	10.43657			
2	2019	Parking Lo	Subbase P	Roller	Diesel	100	0.59	53.55323	0.005279	0.005321	1.12E-05	0.000664	0.000611	0.000679	1.881865			
2	2019	Parking Lo	Topsoil Pla	Dozer	Diesel	175	0.59	61.484	0.00302	0.007034	1.96E-05	0.000655	0.000603	0.001141	3.40488			
2	2019	Parking Lo	Topsoil Pla	Dump Tru	Diesel	600	0.59	61.484	0.005831	0.017432	6.40E-05	0.000715	0.000658	0.003471	11.6749			
2	2019	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	600	0.59	61.484	0.005831	0.017432	6.40E-05	0.000715	0.000658	0.003471	11.6749			
2	2019	Parking Lo	Tree Planti	Flatbed Tr	Diesel	600	0.59	0	0	0	0	0	0	5.37E-05	0			
2	2019	Parking Lo	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	4.47E-05	0			
2	2019	Parking Lo	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	5.37E-05	0			
2	2019	Parking Lo	Tree Planti	Tractors/L	Diesel	100	0.21	0	0	0	0	0	0	0.000121	0			
3	2020	Access Ro	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	9.99	0.000497	0.001141	3.20E-06	0.000107	9.86E-05	0.000204	0.553223			
3	2020	Access Ro	Asphalt Pl	Dump Tru	Diesel	600	0.59	35.97974	0.003085	0.008822	3.72E-05	0.000356	0.000327	0.002018	6.832052			
3	2020	Access Ro	Asphalt Pl	Other Gen	Diesel	175	0.43	19.98	0.000636	0.002322	4.79E-06	0.000153	0.000141	0.000317	0.79762			
3	2020	Access Ro	Asphalt Pl	Pickup Tru	Diesel	600	0.59	9.99	0.000857	0.002449	1.03E-05	9.88E-05	9.09E-05	0.000581	1.896962			
3	2020	Access Ro	Asphalt Pl	Roller	Diesel	100	0.59	9.99	0.000847	0.000849	2.05E-06	0.000102	9.36E-05	0.000133	0.351066			
3	2020	Access Ro	Asphalt Pl	Skid Steer	Diesel	75	0.21	9.99	0.000747	0.000811	7.28E-07	0.000109	0.0001	0.000194	0.109111			
3	2020	Access Ro	Asphalt Pl	Surfacing E	Diesel	25	0.59	12.7872	0.000495	0.000927	8.34E-07	7.34E-05	6.75E-05	9.86E-05	0.112172			
3	2020	Access Ro	Clearing ar	Chain Saw	Diesel	11	0.7	28.8	0.071755	0.000323	3.43E-05	0.002383	0.002192	0.018789	0.152127	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***		
3	2020	Access Ro	Clearing ar	Chipper/SI	Diesel	100	0.43	28.8	0.002317	0.004114	4.73E-06	0.000401	0.000369	0.000487	0.729801			
3	2020	Access Ro	Clearing ar	Pickup Tru	Diesel	600	0.59	38.4	0.003292	0.009415	3.97E-05	0.00038	0.000349	0.002152	7.291625			
3	2020	Access Ro	Concrete F	Air Compr	Diesel	100	0.43	26.64	0.001395	0.002266	4.10E-06	0.0002	0.000184	0.000292	0.675553			
3	2020	Access Ro	Concrete F	Concrete S	Diesel	40	0.59	26.64	0.000362	0.002296	2.13E-06	4.96E-05	4.56E-05	0.000116	0.374487			
3	2020	Access Ro	Concrete F	Concrete T	Diesel	600	0.59	111	0.009517	0.027216	0.000115	0.001097	0.00101	0.006165	21.07735			
3	2020	Access Ro	Concrete F	Other Gen	Diesel	175	0.43	53.28	0.001696	0.006191	1.28E-05	0.000408	0.000376	0.000802	2.126986			
3	2020	Access Ro	Concrete F	Pickup Tru	Diesel	600	0.59	79.92	0.006852	0.019595	8.26E-05	0.00079	0.000727	0.004447	15.17569			
3	2020	Access Ro	Concrete F	Rubber Tir	Diesel	175	0.59	26.64	0.00145	0.003385	8.62E-06	0.00032	0.000294	0.000524	1.475223			
3	2020	Access Ro	Concrete F	Slip Form I	Diesel	175	0.59	26.64	0.001325	0.003044	8.52E-06	0.000286	0.000263	0.000508	1.475261			
3	2020	Access Ro	Concrete F	Surfacing E	Diesel	25	0.59	26.64	0.001031	0.001932	1.74E-06	0.000153	0.000141	0.000205	0.233692			
3	2020	Access Ro	Curbing	Concrete T	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006663	22.78633			
3	2020	Access Ro	Curbing	Curb/Gutt	Diesel	175	0.59	120	0.005967	0.013711	3.84E-05	0.001288	0.001185	0.002209	6.645319			
3	2020	Access Ro	Curbing	Other Gen	Diesel	175	0.43	120	0.003819	0.013944	2.87E-05	0.000919	0.000846	0.001774	4.790509			
3	2020	Access Ro	Curbing	Pickup Tru	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006663	22.78633			
3	2020	Access Ro	Drainage -	Dozer	Diesel	175	0.59	96.32	0.004065	0.009377	3.03E-05	0.000836	0.000769	0.001706	5.334164			
3	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	96.32	0.008259	0.023617	9.95E-05	0.000952	0.000876	0.005354	18.28983			
3	2020	Access Ro	Drainage -	Excavator	Diesel	175	0.59	96.32	0.003204	0.007687	2.96E-05	0.000593	0.000546	0.001636	5.334344			
3	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	96.32	0.005242	0.01224	3.12E-05	0.001156	0.001063	0.00183	5.333839			
3	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	96.32	0.003066	0.011192	2.31E-05	0.000738	0.000679	0.001429	3.845182			
3	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	96.32	0.008259	0.023617	9.95E-05	0.000952	0.000876	0.005354	18.28983			
3	2020	Access Ro	Drainage -	Roller	Diesel	100	0.59	96.32	0.008167	0.008184	1.98E-05	0.000981	0.000902	0.001124	3.384849			
3	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	53.51111	0.004588	0.01312	5.53E-05	0.000529	0.000487	0.002987	10.16101			
3	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	53.51111	0.002912	0.0068	1.73E-05	0.000642	0.000591	0.001027	2.963244			
3	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	53.51111	0.001703	0.006218	1.28E-05	0.00041	0.000377	0.000805	2.136212			
3	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	53.51111	0.004588	0.01312	5.53E-05	0.000529	0.000487	0.002987	10.16101			
3	2020	Access Ro	Drainage -	Tractors/L	Diesel	100	0.21	53.51111	0.004918	0.003807	5.00E-06	0.000679	0.000624	0.000843	0.780008			
3	2020	Access Ro	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.123467	0.353072	0.001488	0.014237	0.013098	0.079637	273.4359			
3	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	44.4	0.001874	0.004323	1.39E-05	0.000385	0.000355	0.000797	2.458855			
3	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	44.4	0.003807	0.010886	4.59E-05	0.000439	0.000404	0.002483	8.430942			
3	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	44.4	0.003807	0.010886	4.59E-05	0.000439	0.000404	0.002483	8.430942			
3	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	20.49231	0.001737	0.001741	4.21E-06	0.000209	0.000192	0.000253	0.720135			
3	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	33.3	0.001405	0.003242	1.05E-05	0.000289	0.000266	0.000602	1.844141			
3	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	88.8	0.007614	0.021773	9.18E-05	0.000878	0.000808	0.004938	16.86188			
3	2020	Access Ro	Excavation	Excavator	Diesel	175	0.59	26.64	0.000886	0.002126	8.19E-06	0.000164	0.000151	0.000463	1.475363			
3	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	26.64	0.002284	0.006532	2.75E-05	0.000263	0.000242	0.001501	5.058565			
3	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	26.64	0.002259	0.002264	5.47E-06	0.000271	0.00025	0.000324	0.936175			
3	2020	Access Ro	Excavation	Scraper	Diesel	600	0.59	33.3	0.007083	0.017597	3.75E-05	0.001046	0.000962	0.002088	6.322754			
3	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	12.53647	0.000529	0.00122	3.94E-06	0.000109	0.0001	0.000239	0.694265			
3	2020	Access Ro	Fencing	Concrete T	Diesel	600	0.59	33.33333	0.002858	0.008173	3.44E-05	0.00033	0.000303	0.001871	6.329536			
3	2020	Access Ro	Fencing	Dump Tru	Diesel	600	0.59	133.3333	0.011432	0.032692	0.000138	0.001318	0.001213	0.0074	25.31814			
3	2020	Access Ro	Fencing	Other Gen	Diesel	175	0.43	133.3333	0.004244	0.015493	3.19E-05	0.001022	0.00094	0.001968	5.322788			
3	2020	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	133.3333	0.011432	0.032692	0.000138	0.001318	0.001213	0.0074	25.31814			
3	2020	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	133.3333	0.009963	0.010819	9.71E-06	0.001455	0.001339	0.001987	1.45627			
3	2020	Access Ro	Fencing	Tractors/L	Diesel	100	0.21	133.3333	0.012254	0.009487	1.25E-05	0.001691	0.001556	0.001988	1.94354			
3	2020	Access Ro	Grading	Dozer	Diesel	175	0.59	11.3597	0.000479	0.001106	3.57E-06	9.86E-05	9.07E-05	0.000218	0.629096			
3	2020	Access Ro	Grading	Grader	Diesel	300	0.59	11.3597	0.000539	0.001672	5.98E-06	8.33E-05	7.67E-05	0.000348	1.078487			
3	2020	Access Ro	Grading	Roller	Diesel	100	0.59	11.3597	0.000963	0.000965	2.33E-06	0.000116	0.000106	0.000148	0.399199			
3	2020	Access Ro	Hydroseed	Hydroseed	Diesel	600	0.59	10.234	0.000877	0.002509	1.06E-05	0.000101	9.31E-05	0.000594	1.943294			
3	2020	Access Ro	Hydroseed	Off-Road T	Diesel	600	0.59	10.234	0.000877	0.002509	1.06E-05	0.000101	9.31E-05	0.000594	1.943294			
3	2020	Access Ro	Markings	Flatbed Tr	Diesel	600	0.59	164.5714	0.014111	0.040351	0.00017	0.001627	0.001497	0.009127	31.24982			
3	2020	Access Ro	Markings	Other Gen	Diesel	175	0.43	164.5714	0.005238	0.019123	3.94E-05	0.001261	0.00116	0.002424	6.569841			
3	2020	Access Ro	Markings	Pickup Tru	Diesel	600	0.59	164.5714	0.014111	0.040351	0.00017	0.001627	0.001497	0.009127	31.24982			
3	2020	Access Ro	Sidewalks	Concrete T	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013297	45.57266			
3	2020	Access Ro	Sidewalks	Dump Tru	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013297	45.57266			
3	2020	Access Ro	Sidewalks	Pickup Tru	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013297	45.57266			
3	2020	Access Ro	Sidewalks	Tractors/L	Diesel	100	0.21	240	0.022058	0.017077	2.24E-05	0.003044	0.002801	0.003518	3.498373			
3	2020	Access Ro	Sidewalks	Vibratory (	Diesel	6	0.43	240	0.00304	0.003033	2.71E-06	0.000266	0.000245	0.000418	0.364408			
3	2020	Access Ro	Soil Erosio	Other Gen	Diesel	175	0.43	9.6	0.000306	0.001116	2.30E-06	7.36E-05	6.77E-05	0.000166	0.383241			
3	2020	Access Ro	Soil Erosio	Pickup Tru	Diesel	600	0.59	19.2	0.001646	0.004708	1.98E-05	0.00019	0.000175	0.00109	3.645813			
3	2020	Access Ro	Soil Erosio	Pumps	Diesel	11	0.43	9.6	0.000223	0.00023	1.99E-07	2.09E-05	1.92E-05	3.40E-05	0.026719			
3	2020	Access Ro	Soil Erosio	Tractors/L	Diesel	100	0.21	9.6	0.000882	0.000683	8.98E-07	0.000122	0.000112	0.000213	0.139935			

3	2020	Access Ro	Street Ligh	Dump Tru	Diesel	600	0.59	80	0.006859	0.019615	8.27E-05	0.000791	0.000728	0.004451	15.19089	
3	2020	Access Ro	Street Ligh	Loader	Diesel	175	0.59	80	0.004354	0.010166	2.59E-05	0.00096	0.000883	0.001524	4.430099	
3	2020	Access Ro	Street Ligh	Other Gen	Diesel	175	0.43	80	0.002546	0.009296	1.92E-05	0.000613	0.000564	0.001191	3.193673	
3	2020	Access Ro	Street Ligh	Pickup Tru	Diesel	600	0.59	80	0.006859	0.019615	8.27E-05	0.000791	0.000728	0.004451	15.19089	
3	2020	Access Ro	Street Ligh	Skid Steer	Diesel	75	0.21	80	0.005978	0.006492	5.83E-06	0.000873	0.000803	0.001212	0.873762	
3	2020	Access Ro	Street Ligh	Tractors/L	Diesel	100	0.21	80	0.007353	0.005692	7.48E-06	0.001015	0.000934	0.001223	1.166124	
3	2020	Access Ro	Subbase P	Dozer	Diesel	175	0.59	16.82526	0.00071	0.001638	5.29E-06	0.000146	0.000134	0.000314	0.931776	
3	2020	Access Ro	Subbase P	Dump Tru	Diesel	600	0.59	118.4	0.010152	0.02903	0.000122	0.001171	0.001077	0.006574	22.48251	
3	2020	Access Ro	Subbase P	Pickup Tru	Diesel	600	0.59	16.82526	0.001443	0.004125	1.74E-05	0.000166	0.000153	0.000959	3.194883	
3	2020	Access Ro	Subbase P	Roller	Diesel	100	0.59	16.39385	0.00139	0.001393	3.37E-06	0.000167	0.000154	0.000206	0.576108	
3	2020	Access Ro	Topsoil Pla	Dozer	Diesel	175	0.59	25.244	0.001065	0.002458	7.93E-06	0.000219	0.000202	0.000461	1.398003	
3	2020	Access Ro	Topsoil Pla	Dump Tru	Diesel	600	0.59	25.244	0.002164	0.00619	2.61E-05	0.00025	0.00023	0.001424	4.793484	
3	2020	Access Ro	Topsoil Pla	Pickup Tru	Diesel	600	0.59	25.244	0.002164	0.00619	2.61E-05	0.00025	0.00023	0.001424	4.793484	
3	2020	Access Ro	Tree Planti	Flatbed Tr	Diesel	600	0.59	0	0	0	0	0	0	2.86E-05	0	
3	2020	Access Ro	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	2.56E-05	0	
3	2020	Access Ro	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	2.86E-05	0	
3	2020	Access Ro	Tree Planti	Tractors/L	Diesel	100	0.21	0	0	0	0	0	0	7.55E-05	0	
4	2020	Access Ro	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	9.99	0.000497	0.001141	3.20E-06	0.000107	9.86E-05	0.000214	0.553223	
4	2020	Access Ro	Asphalt Pl	Dump Tru	Diesel	600	0.59	35.97974	0.003085	0.008822	3.72E-05	0.000356	0.000327	0.00203	6.832051	
4	2020	Access Ro	Asphalt Pl	Other Gen	Diesel	175	0.43	19.98	0.000636	0.002322	4.79E-06	0.000153	0.000141	0.000329	0.79762	
4	2020	Access Ro	Asphalt Pl	Pickup Tru	Diesel	600	0.59	9.99	0.000857	0.002449	1.03E-05	9.88E-05	9.09E-05	0.000594	1.896962	
4	2020	Access Ro	Asphalt Pl	Roller	Diesel	100	0.59	9.99	0.000847	0.000849	2.05E-06	0.000102	9.36E-05	0.000141	0.351066	
4	2020	Access Ro	Asphalt Pl	Skid Steer	Diesel	75	0.21	9.99	0.000747	0.000811	7.28E-07	0.000109	0.0001	0.000216	0.109111	
4	2020	Access Ro	Asphalt Pl	Surfacing E	Diesel	25	0.59	12.7872	0.000495	0.000927	8.34E-07	7.34E-05	6.75E-05	9.88E-05	0.112172	
4	2020	Access Ro	Clearing ar	Chain Saw	Diesel	11	0.7	28.8	0.071755	0.000323	3.43E-05	0.002383	0.002192	0.018869	0.152127	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	2020	Access Ro	Clearing ar	Chipper/St	Diesel	100	0.43	28.8	0.002317	0.004114	4.73E-06	0.000401	0.000369	0.000553	0.729801	
4	2020	Access Ro	Clearing ar	Pickup Tru	Diesel	600	0.59	38.4	0.003292	0.009415	3.97E-05	0.00038	0.000349	0.002164	7.291624	
4	2020	Access Ro	Concrete F	Air Compr	Diesel	100	0.43	26.64	0.001395	0.002266	4.10E-06	0.0002	0.000184	0.000292	0.675553	
4	2020	Access Ro	Concrete F	Concrete S	Diesel	40	0.59	26.64	0.000362	0.002296	2.13E-06	4.96E-05	4.56E-05	0.000117	0.374487	
4	2020	Access Ro	Concrete F	Concrete T	Diesel	600	0.59	111	0.009517	0.027216	0.000115	0.001097	0.00101	0.006178	21.07735	
4	2020	Access Ro	Concrete F	Other Gen	Diesel	175	0.43	53.28	0.001696	0.006191	1.28E-05	0.000408	0.000376	0.000814	2.126986	
4	2020	Access Ro	Concrete F	Pickup Tru	Diesel	600	0.59	79.92	0.006852	0.019595	8.26E-05	0.00079	0.000727	0.00446	15.17569	
4	2020	Access Ro	Concrete F	Rubber Tir	Diesel	175	0.59	26.64	0.00145	0.003385	8.62E-06	0.00032	0.000294	0.000535	1.475223	
4	2020	Access Ro	Concrete F	Slip Form I	Diesel	175	0.59	26.64	0.001325	0.003044	8.52E-06	0.000286	0.000263	0.000518	1.475261	
4	2020	Access Ro	Concrete F	Surfacing E	Diesel	25	0.59	26.64	0.001031	0.001932	1.74E-06	0.000153	0.000141	0.000205	0.233692	
4	2020	Access Ro	Curbing	Concrete T	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006675	22.78633	
4	2020	Access Ro	Curbing	Curb/Gutt	Diesel	175	0.59	120	0.005967	0.013711	3.84E-05	0.001288	0.001185	0.002219	6.645319	
4	2020	Access Ro	Curbing	Other Gen	Diesel	175	0.43	120	0.003819	0.013944	2.87E-05	0.000919	0.000846	0.001786	4.790509	
4	2020	Access Ro	Curbing	Pickup Tru	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006675	22.78633	
4	2020	Access Ro	Drainage -	Dozer	Diesel	175	0.59	96.32	0.004065	0.009377	3.03E-05	0.000836	0.000769	0.001714	5.334165	
4	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	96.32	0.008259	0.023617	9.95E-05	0.000952	0.000876	0.005366	18.28982	
4	2020	Access Ro	Drainage -	Excavator	Diesel	175	0.59	96.32	0.003204	0.007687	2.96E-05	0.000593	0.000546	0.001642	5.334344	
4	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	96.32	0.005242	0.01224	3.12E-05	0.001156	0.001063	0.001841	5.333839	
4	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	96.32	0.003066	0.011192	2.31E-05	0.000738	0.000679	0.001441	3.845182	
4	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	96.32	0.008259	0.023617	9.95E-05	0.000952	0.000876	0.005366	18.28982	
4	2020	Access Ro	Drainage -	Roller	Diesel	100	0.59	96.32	0.008167	0.008184	1.98E-05	0.000981	0.000902	0.001132	3.384849	
4	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	53.51111	0.004588	0.01312	5.53E-05	0.000529	0.000487	0.003	10.16101	
4	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	53.51111	0.002912	0.0068	1.73E-05	0.000642	0.000591	0.001038	2.963244	
4	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	53.51111	0.001703	0.006218	1.28E-05	0.00041	0.000377	0.000817	2.136212	
4	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	53.51111	0.004588	0.01312	5.53E-05	0.000529	0.000487	0.003	10.16101	
4	2020	Access Ro	Drainage -	Tractors/L	Diesel	100	0.21	53.51111	0.004918	0.003807	5.00E-06	0.000679	0.000624	0.000877	0.780008	
4	2020	Access Ro	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.123467	0.353072	0.001488	0.014237	0.013098	0.07965	273.4359	
4	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	44.4	0.001874	0.004323	1.39E-05	0.000385	0.000355	0.000805	2.458855	
4	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	44.4	0.003807	0.010886	4.59E-05	0.000439	0.000404	0.002496	8.430941	
4	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	44.4	0.003807	0.010886	4.59E-05	0.000439	0.000404	0.002496	8.430941	
4	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	20.49231	0.001737	0.001741	4.21E-06	0.000209	0.000192	0.000261	0.720135	
4	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	33.3	0.001405	0.003242	1.05E-05	0.000289	0.000266	0.000611	1.844141	
4	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	88.8	0.007614	0.021773	9.18E-05	0.000878	0.000808	0.004951	16.86188	
4	2020	Access Ro	Excavation	Excavator	Diesel	175	0.59	26.64	0.000886	0.002126	8.19E-06	0.000164	0.000151	0.000469	1.475363	
4	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	26.64	0.002284	0.006532	2.75E-05	0.000263	0.000242	0.001514	5.058564	
4	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	26.64	0.002259	0.002264	5.47E-06	0.000271	0.00025	0.000332	0.936175	
4	2020	Access Ro	Excavation	Scraper	Diesel	600	0.59	33.3	0.007083	0.017597	3.75E-05	0.001046	0.000962	0.002126	6.322754	
4	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	12.53647	0.000529	0.00122	3.94E-06	0.000109	0.0001	0.000247	0.694265	
4	2020	Access Ro	Fencing	Concrete T	Diesel	600	0.59	33.33333	0.002858	0.008173	3.44E-05	0.00033	0.000303	0.001884	6.329535	
4	2020	Access Ro	Fencing	Dump Tru	Diesel	600	0.59	133.3333	0.011432	0.032692	0.000138	0.001318	0.001213	0.007413	25.31814	
4	2020	Access Ro	Fencing	Other Gen	Diesel	175	0.43	133.3333	0.004244	0.015493	3.19E-05	0.001022	0.00094	0.00198	5.322788	
4	2020	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	133.3333	0.011432	0.032692	0.000138	0.001318	0.001213	0.007413	25.31814	
4	2020	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	133.3333	0.009963	0.010819	9.71E-06	0.001455	0.001339	0.002009	1.45627	
4	2020	Access Ro	Fencing	Tractors/L	Diesel	100	0.21	133.3333	0.012254	0.009487	1.25E-05	0.001691	0.001556	0.002022	1.94354	
4	2020	Access Ro	Grading	Dozer	Diesel	175	0.59	11.3597	0.000479	0.001106	3.57E-06	9.86E-05	9.07E-05	0.000226	0.629096	
4	2020	Access Ro	Grading	Grader	Diesel	300	0.59	11.3597	0.000539	0.001672	5.98E-06	8.33E-05	7.67E-05	0.000357	1.078487	
4	2020	Access Ro	Grading	Roller	Diesel	100	0.59	11.3597	0.000963	0.000965	2.33E-06	0.000116	0.000106	0.000157	0.399199	
4	2020	Access Ro	Hydroseed	Hydroseec	Diesel	600	0.59	10.234	0.000877	0.002509	1.06E-05	0.000101	9.31E-05	0.000607	1.943294	
4	2020	Access Ro	Hydroseed	Off-Road T	Diesel	600	0.59	10.234	0.000877	0.002509	1.06E-05	0.000101	9.31E-05	0.000607	1.943294	
4	2020	Access Ro	Markings	Flatbed Tr	Diesel	600	0.59	164.5714	0.014111	0.040351	0.00017	0.001627	0.001497	0.00914	31.24982	
4	2020	Access Ro	Markings	Other Gen	Diesel	175	0.43	164.5714	0.005238	0.019123	3.94E-05	0.001261	0.00116	0.002435	6.569842	
4	2020	Access Ro	Markings	Pickup Tru	Diesel	600	0.59	164.5714	0.014111	0.040351	0.00017	0.001627	0.001497	0.00914	31.24982	
4	2020	Access Ro	Sidewalks	Concrete T	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013309	45.57265	
4	2020	Access Ro	Sidewalks	Dump Tru	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013309	45.57265	
4	2020	Access Ro	Sidewalks	Pickup Tru	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013309	45.57265	
4	2020	Access Ro	Sidewalks	Tractors/L	Diesel	100	0.21	240	0.022058	0.017077	2.24E-05	0.003044	0.002801	0.003551	3.498373	
4	2020	Access Ro	Sidewalks	Vibratory (	Diesel	6	0.43	240	0.00304	0.003033	2.71E-06	0.000266	0.000245	0.000419	0.364408	
4	2020	Access Ro	Soil Erosio	Other Gen	Diesel	175	0.43	9.6	0.000306	0.001116	2.30E-06	7.36E-05	6.77E-05	0.000177	0.383241	
4	2020	Access Ro	Soil Erosio	Pickup Tru	Diesel	600	0.59	19.2	0.001646	0.004708	1.98E-05	0.00019	0.000175	0.001103	3.645812	
4	2020	Access Ro	Soil Erosio	Pumps	Diesel	11	0.43	9.6	0.000223	0.00023	1.99E-07	2.09E-05	1.92E-05	3.39E-05	0.026719	
4	2020	Access Ro	Soil Erosio	Tractors/L	Diesel	100	0.21	9.6	0.000882	0.000683	8.98E-07	0.000122	0.000112	0.000247	0.139935	
4	2020	Access Ro	Street Ligh	Dump Tru	Diesel	600	0.59	80	0.006859	0.019615	8.27E-05	0.000791	0.000728	0.004464	15.19088	
4	2020	Access Ro	Street Ligh	Loader	Diesel	175	0.59	80	0.004354	0.010166	2.59E-05	0.00096	0.000883	0.001535	4.430098	
4	2020	Access Ro	Street Ligh	Other Gen	Diesel	175	0.43	80	0.002546	0.009296	1.92E-05	0.000613	0.000564	0.001203	3.193673	
4	2020	Access Ro	Street Ligh	Pickup Tru	Diesel	600	0.59	80	0.006859	0.019615	8.27E-05	0.000791	0.000728	0.004464	15.19088	
4	2020	Access Ro	Street Ligh	Skid Steer	Diesel	75	0.21	80	0.005978	0.006492	5.83E-06	0.000873	0.000803	0.001234	0.873762	
4	2020	Access Ro	Street Ligh	Tractors/L	Diesel	100	0.21	80	0.007353	0.005692	7.48E-06	0.001015	0.000934	0.001257	1.166124	
4	2020	Access Ro	Subbase P	Dozer	Diesel	175	0.59	16.82526	0.00071	0.001638	5.29E-06	0.000146	0.000134	0.000322	0.931777	
4	2020	Access Ro	Subbase P	Dump Tru	Diesel	600	0.59	118.4	0.010152	0.02903	0.000122	0.001171	0.001077	0.006587	22.48251	
4	2020	Access Ro	Subbase P	Pickup Tru	Diesel	600	0.59	16.82526	0.001443	0.004125	1.74E-05	0.000166	0.000153	0.000972	3.194883	
4	2020	Access Ro	Subbase P	Roller	Diesel	100	0.59	16.39385	0.00139	0.001393	3.37E-06	0.000167	0.000154	0.000214	0.576108	
4	2020	Access Ro	Topsoil Pla	Dozer	Diesel	175	0.59	25.244	0.001065	0.002458	7.93E-06	0.000219	0.000202	0.00047	1.398003	
4	2020	Access Ro	Topsoil Pla	Dump Tru	Diesel	600	0.59	25.244	0.002164	0.00619	2.61E-05	0.00025	0.00023	0.001437	4.793483	
4	2020	Access Ro	Topsoil Pla	Pickup Tru	Diesel	600	0.59	25.244	0.002164	0.00619	2.61E-05	0.00025	0.00023	0.001437	4.793483	
4	2020	Access Ro	Tree Planti	Flatbed Tr	Diesel	600	0.59	0	0	0	0	0	0	4.14E-05	0	
4	2020	Access Ro	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	3.75E-05	0	
4	2020	Access Ro	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	4.14E-05	0	
4	2020	Access Ro	Tree Planti	Tractors/L	Diesel	100	0.21	0	0	0	0	0	0	0.000109	0	
4	2020	Building -	Concrete F	Backhoe	Diesel	100	0.21	480	0.044115	0.034153	4.49E-05	0.006089	0.005601	0.006994	6.996745	
4	2020	Building -	Concrete F	Concrete F	Diesel	11	0.43	180	0.004185	0.004312	3.72E-06	0.000392	0.000361	0.000603	0.500989	
4	2020	Building -	Concrete F	Concrete F	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019944	68.35898	
4	2020	Building -	Concrete F	Excavator	Diesel	175	0.59	160	0.005322	0.012769	4.92E-05	0.000986	0.000907	0.002714	8.861037	
4	2020	Building -	Concrete F	Fork Truck	Diesel	100	0.59	480	0.01448	0.01261	9.04E-05	0.000684	0.000629	0.00439	16.87111	
4	2020	Building -	Concrete F	Tool Truck	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006675	22.78633	
4	2020	Building -	Concrete F	Tractor Tr	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013309	45.57265	
4	2020	Building -	Constructi	Survey Cre	Diesel	600	0.59	10	0.000857	0.002452	1.03E-05	9.89E-05	9.10E-05	0.000594	1.89886	
4	2020	Building -	Constructi	Tractor Tr	Diesel	600	0.59	4	0.000343	0.000981	4.13E-06	3.95E-05	3.64E-05	0.000262	0.759544	
4	2020	Building -	Exterior W	Fork Truck	Diesel	100	0.59	840	0.025339	0.022068	0.000158	0.001197	0.001101	0.00768	29.52443	
4	2020	Building -	Exterior W	Generator	Diesel	40	0.43	80	0.001779	0.006134	5.20E-06	0.000342	0.000314	0.000485	0.811032	
4	2020	Building -	Exterior W	Grout Mix	Diesel	600	0.59	420	0.161174	0.376914	0.000504	0.023023	0.021181	0.031551	79.72974	
4	2020	Building -	Exterior W	Grout Wh	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008887	30.38177	
4	2020	Building -	Exterior W	Man Lift	Diesel	75	0.21	1680	0.115175	0.138655	0.000122	0.015702	0.014445	0.02294	18.35317	
4	2020	Building -	Exterior W	Tool Truck	Diesel	600	0.59	420	0.036011	0.102979	0.000434	0.004152	0.00382	0.023261	79.75214	
4	2020	Building -	Exterior W	Tractor Tr	Diesel	600	0.59	840	0.072023	0.205959	0.000868	0.008305	0.00764	0.04648	159.5043	
4	2020	Building -	Exterior W	Truck Tow	Diesel	300	0.43	80	0.002742	0.012455	3.16E-05	0.000532	0.000489	0.001845	5.475419	
4	2020	Building -	Interior Bu	Fork Truck	Diesel	100	0.59	1600	0.048265	0.042033	0.000301	0.00228	0.002098	0.014625	56.23702	
4	2020	Building -	Interior Bu	Man Lift	Diesel	75	0.21	3200	0.219382	0.264106	0.000233	0.029908	0.027515	0.043667	34.95841	
4	2020	Building -	Interior Bu	Tool Truck	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088496	303.8177	
4	2020	Building -	Interior Bu	Tractor Tr	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088496	303.8177	
4	2020	Building -	Roofing	High Lift	Diesel	100	0.59	160	0.004827	0.004203	3.01E-05	0.000228	0.00021	0.001465	5.623702	
4	2020	Building -	Roofing	Man Lift	Diesel	75	0.21	40	0.002742	0.003301	2.91E-06	0.000374	0.000344	0.000577	0.43698	
4	2020	Building -	Roofing	Material D	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003358	11.39316	
4	2020	Building -	Roofing	Tractor Tr	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.002253	7.595442	
4	2020	Building -	Roofing	Truck Tow	Diesel	300	0.43	120	0.004114	0.018682	4.74E-05	0.000797	0.000734	0.002744	8.213128	
4	2020	Building -	Security &	High Lift	Diesel	100	0.59	800	0.024133	0.021017	0.000151	0.00114	0.001049	0.007314	28.11851	
4	2020	Building -	Security &	Tool Truck	Diesel	600	0.59	800	0.068593	0.196151	0.000827	0.007909	0.007277	0.044268	151.9088	
4	2020	Building -	Structural	90 Ton Cra	Diesel	300	0.43	240	0.008227	0.037365	9.48E-05	0.001595	0.001467	0.00544	16.42626	
4	2020	Building -	Structural	Concrete F	Diesel	11	0.43	60	0.001395	0.001437	1.24E-06	0.000131	0.00012	0.000202	0.166996	
4	2020	Building -	Structural	Concrete T	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003358	11.39316	
4	2020	Building -	Structural	Fork Truck	Diesel	100	0.59	640	0.019306	0.016813	0.000121	0.000912	0.000839	0.005852	22.49481	
4	2020	Building -	Structural	Tool Truck	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008887	30.38177	
4	2020	Building -	Structural	Tractor Tr	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019944	68.35898	
4	2020	Building -	Structural	Trowel Ma	Diesel	600	0.59	40	0.01535	0.035897	4.80E-05	0.002193	0.002017	0.003166	7.593308	
4	2020	Building -	Structural	Truck Tow	Diesel	300	0.43	720	0.024682	0.112094	0.000284	0.004785	0.004402	0.016226	49.27877	
4	2020	Terminal /	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	7.4925	0.000373	0.000856	2.40E-06	8.04E-05	7.40E-05	0.000169	0.414917	
4	2020	Terminal /	Asphalt Pl	Dump Tru	Diesel	600	0.59	26.98481	0.002314	0.006616	2.79E-05	0.000267	0.000245	0.001533	5.124038	
4	2020	Terminal /	Asphalt Pl	Other Gen	Diesel	175	0.43	14.985	0.000477	0.001741	3.59E-06	0.000115	0.000106	0.000256	0.598215	

4	2020	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	7.4925	0.000642	0.001837	7.74E-06	7.41E-05	6.81E-05	0.000456	1.422721	
4	2020	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	7.4925	0.000635	0.000637	1.54E-06	7.63E-05	7.02E-05	0.000112	0.263299	
4	2020	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	7.4925	0.00056	0.000608	5.46E-07	8.18E-05	7.52E-05	0.00018	0.081833	
4	2020	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	9.5904	0.000371	0.000695	6.25E-07	5.51E-05	5.07E-05	7.43E-05	0.084129	
4	2020	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	16.8	0.041857	0.000189	2.00E-05	0.00139	0.001279	0.012566	0.08874	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	2020	Terminal A	Clearing ar	Chipper/Sh	Diesel	100	0.43	16.8	0.001352	0.0024	2.76E-06	0.000234	0.000215	0.000354	0.425717	
4	2020	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	22.4	0.001921	0.005492	2.31E-05	0.000221	0.000204	0.00128	4.253447	
4	2020	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	19.98	0.001046	0.001699	3.07E-06	0.00015	0.000138	0.000226	0.506665	
4	2020	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	19.98	0.000272	0.001722	1.60E-06	3.72E-05	3.42E-05	8.76E-05	0.280865	
4	2020	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	83.25	0.007138	0.020412	8.60E-05	0.000823	0.000757	0.004644	15.80801	
4	2020	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	39.96	0.001272	0.004643	9.57E-06	0.000306	0.000282	0.00062	1.59524	
4	2020	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	59.94	0.005139	0.014697	6.19E-05	0.000593	0.000545	0.003355	11.38177	
4	2020	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	19.98	0.001087	0.002539	6.47E-06	0.00024	0.000221	0.00041	1.106417	
4	2020	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	19.98	0.000993	0.002283	6.39E-06	0.000214	0.000197	0.000396	1.106446	
4	2020	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	19.98	0.000773	0.001449	1.30E-06	0.000115	0.000106	0.000154	0.175269	
4	2020	Terminal A	Drainage -	Dozer	Diesel	175	0.59	13.12	0.000554	0.001277	4.12E-06	0.000114	0.000105	0.000257	0.726581	
4	2020	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	13.12	0.001125	0.003217	1.36E-05	0.00013	0.000119	0.000767	2.491305	
4	2020	Terminal A	Drainage -	Excavator	Diesel	175	0.59	13.12	0.000436	0.001047	4.03E-06	8.08E-05	7.44E-05	0.000241	0.726605	
4	2020	Terminal A	Drainage -	Loader	Diesel	175	0.59	13.12	0.000714	0.001667	4.25E-06	0.000157	0.000145	0.000281	0.726536	
4	2020	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	13.12	0.000418	0.001525	3.14E-06	0.000101	9.25E-05	0.000229	0.523762	
4	2020	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	13.12	0.001125	0.003217	1.36E-05	0.00013	0.000119	0.000767	2.491305	
4	2020	Terminal A	Drainage -	Roller	Diesel	100	0.59	13.12	0.001112	0.001115	2.70E-06	0.000134	0.000123	0.000177	0.461059	
4	2020	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	7.288889	0.000625	0.001787	7.53E-06	7.21E-05	6.63E-05	0.000444	1.384058	
4	2020	Terminal A	Drainage -	Loader	Diesel	175	0.59	7.288889	0.000397	0.000926	2.36E-06	8.75E-05	8.05E-05	0.000172	0.403631	
4	2020	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	7.288889	0.000232	0.000847	1.75E-06	5.58E-05	5.14E-05	0.000144	0.290979	
4	2020	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	7.288889	0.000625	0.001787	7.53E-06	7.21E-05	6.63E-05	0.000444	1.384058	
4	2020	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	7.288889	0.00067	0.000519	6.82E-07	9.25E-05	8.51E-05	0.000214	0.106247	
4	2020	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.123467	0.353072	0.001488	0.014237	0.013098	0.07965	273.4359	
4	2020	Terminal A	Excavation	Dozer	Diesel	175	0.59	33.3	0.001405	0.003242	1.05E-05	0.000289	0.000266	0.000611	1.844141	
4	2020	Terminal A	Excavation	Dump Tru	Diesel	600	0.59	33.3	0.002855	0.008165	3.44E-05	0.000329	0.000303	0.001882	6.323205	
4	2020	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	33.3	0.002855	0.008165	3.44E-05	0.000329	0.000303	0.001882	6.323205	
4	2020	Terminal A	Excavation	Roller	Diesel	100	0.59	15.36923	0.001303	0.001306	3.16E-06	0.000157	0.000144	0.000203	0.540101	
4	2020	Terminal A	Excavation	Dozer	Diesel	175	0.59	24.975	0.001054	0.002431	7.85E-06	0.000217	0.000199	0.000465	1.383106	
4	2020	Terminal A	Excavation	Dump Tru	Diesel	600	0.59	66.6	0.00571	0.01633	6.88E-05	0.000658	0.000606	0.003723	12.64641	
4	2020	Terminal A	Excavation	Excavator	Diesel	175	0.59	19.98	0.000665	0.001595	6.14E-06	0.000123	0.000113	0.000357	1.106522	
4	2020	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	19.98	0.001713	0.004899	2.06E-05	0.000198	0.000182	0.001146	3.793923	
4	2020	Terminal A	Excavation	Roller	Diesel	100	0.59	19.98	0.001694	0.001698	4.10E-06	0.000203	0.000187	0.000255	0.702131	
4	2020	Terminal A	Excavation	Scraper	Diesel	600	0.59	24.975	0.005312	0.013198	2.81E-05	0.000784	0.000722	0.001624	4.742065	
4	2020	Terminal A	Excavation	Dozer	Diesel	175	0.59	9.402353	0.000397	0.000915	2.95E-06	8.16E-05	7.51E-05	0.000192	0.520699	
4	2020	Terminal A	Fencing	Concrete T	Diesel	600	0.59	4.444444	0.000381	0.00109	4.59E-06	4.39E-05	4.04E-05	0.000287	0.843938	
4	2020	Terminal A	Fencing	Dump Tru	Diesel	600	0.59	17.77778	0.001524	0.004359	1.84E-05	0.000176	0.000162	0.001024	3.375752	
4	2020	Terminal A	Fencing	Other Gen	Diesel	175	0.43	17.77778	0.000566	0.002066	4.26E-06	0.000136	0.000125	0.000296	0.709705	
4	2020	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	17.77778	0.001524	0.004359	1.84E-05	0.000176	0.000162	0.001024	3.375752	
4	2020	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	17.77778	0.001328	0.001443	1.29E-06	0.000194	0.000179	0.000329	0.194169	
4	2020	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	17.77778	0.001634	0.001265	1.66E-06	0.000226	0.000207	0.000364	0.259139	
4	2020	Terminal A	Grading	Dozer	Diesel	175	0.59	6.599	0.000278	0.000642	2.07E-06	5.73E-05	5.27E-05	0.000143	0.36545	
4	2020	Terminal A	Grading	Grader	Diesel	300	0.59	6.599	0.000313	0.000971	3.47E-06	4.84E-05	4.45E-05	0.00022	0.626507	
4	2020	Terminal A	Grading	Roller	Diesel	100	0.59	6.599	0.00056	0.000561	1.36E-06	6.72E-05	6.18E-05	0.000102	0.2319	
4	2020	Terminal A	Hydroseed	Hydroseed	Diesel	600	0.59	5.945	0.00051	0.001458	6.14E-06	5.88E-05	5.41E-05	0.00037	1.128873	
4	2020	Terminal A	Hydroseed	Off-Road T	Diesel	600	0.59	5.945	0.00051	0.001458	6.14E-06	5.88E-05	5.41E-05	0.00037	1.128873	
4	2020	Terminal A	Lighting	Dump Tru	Diesel	600	0.59	7.133333	0.000612	0.001749	7.37E-06	7.05E-05	6.49E-05	0.000436	1.35452	
4	2020	Terminal A	Lighting	Loader	Diesel	175	0.59	7.133333	0.000388	0.000906	2.31E-06	8.56E-05	7.87E-05	0.000169	0.395017	
4	2020	Terminal A	Lighting	Other Gen	Diesel	175	0.43	7.133333	0.000227	0.000829	1.71E-06	5.47E-05	5.03E-05	0.000141	0.284769	
4	2020	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	7.133333	0.000612	0.001749	7.37E-06	7.05E-05	6.49E-05	0.000436	1.35452	
4	2020	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	7.133333	0.000533	0.000579	5.20E-07	7.79E-05	7.16E-05	0.000174	0.07791	
4	2020	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	7.133333	0.000656	0.000508	6.67E-07	9.05E-05	8.32E-05	0.000212	0.103979	
4	2020	Terminal A	Markings	Flatbed Tr	Diesel	600	0.59	123.4286	0.010583	0.030263	0.000128	0.00122	0.001123	0.006865	23.43736	
4	2020	Terminal A	Markings	Other Gen	Diesel	175	0.43	123.4286	0.003928	0.014342	2.96E-05	0.000946	0.00087	0.001836	4.927381	
4	2020	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	123.4286	0.010583	0.030263	0.000128	0.00122	0.001123	0.006865	23.43736	
4	2020	Terminal A	Sealing/Fu	Distribution	Diesel	600	0.59	15.984	0.00137	0.003919	1.65E-05	0.000158	0.000145	0.000925	3.035139	
4	2020	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	15.984	0.000509	0.001857	3.83E-06	0.000122	0.000113	0.00027	0.638096	
4	2020	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	15.984	0.00137	0.003919	1.65E-05	0.000158	0.000145	0.000925	3.035139	
4	2020	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	5.6	0.000178	0.000651	1.34E-06	4.29E-05	3.95E-05	0.000119	0.223557	
4	2020	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	11.2	0.00096	0.002746	1.16E-05	0.000111	0.000102	0.000661	2.126724	
4	2020	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	5.6	0.00013	0.000134	1.16E-07	1.22E-05	1.12E-05	2.06E-05	0.015586	
4	2020	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	5.6	0.000515	0.000398	5.24E-07	7.10E-05	6.54E-05	0.00019	0.081629	
4	2020	Terminal A	Subbase P	Dozer	Diesel	175	0.59	12.61895	0.000533	0.001229	3.96E-06	0.00011	0.000101	0.000248	0.698832	
4	2020	Terminal A	Subbase P	Dump Tru	Diesel	600	0.59	88.8	0.007614	0.021773	9.18E-05	0.000878	0.000808	0.004951	16.86188	
4	2020	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	12.61895	0.001082	0.003094	1.30E-05	0.000125	0.000115	0.000739	2.396162	
4	2020	Terminal A	Subbase P	Roller	Diesel	100	0.59	12.29538	0.001042	0.001045	2.53E-06	0.000125	0.000115	0.000167	0.432081	
4	2020	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	14.664	0.000619	0.001428	4.61E-06	0.000127	0.000117	0.000284	0.812087	
4	2020	Terminal A	Topsoil Pla	Dump Tru	Diesel	600	0.59	14.664	0.001257	0.003595	1.52E-05	0.000145	0.000133	0.000852	2.784489	
4	2020	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	14.664	0.001257	0.003595	1.52E-05	0.000145	0.000133	0.000852	2.784489	
5	2020	Building - :	Concrete F	Backhoe	Diesel	100	0.21	480	0.044115	0.034153	4.49E-05	0.006089	0.005601	0.006935	6.996745	
5	2020	Building - :	Concrete F	Concrete F	Diesel	11	0.43	180	0.004185	0.004312	3.72E-06	0.000392	0.000361	0.000602	0.500989	
5	2020	Building - :	Concrete F	Concrete F	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019921	68.35899	
5	2020	Building - :	Concrete F	Excavator	Diesel	175	0.59	160	0.005322	0.012769	4.92E-05	0.000986	0.000907	0.002703	8.861037	
5	2020	Building - :	Concrete F	Fork Truck	Diesel	100	0.59	480	0.01448	0.01261	9.04E-05	0.000684	0.000629	0.004388	16.8711	
5	2020	Building - :	Concrete F	Tool Truck	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006653	22.78633	
5	2020	Building - :	Concrete F	Tractor Tr	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013287	45.57266	
5	2020	Building - :	Constructi	Survey Cre	Diesel	600	0.59	10	0.000857	0.002452	1.03E-05	9.89E-05	9.10E-05	0.000572	1.898861	
5	2020	Building - :	Constructi	Tractor Tr	Diesel	600	0.59	4	0.000343	0.000981	4.13E-06	3.95E-05	3.64E-05	0.00024	0.759544	
5	2020	Building - :	Exterior W	Fork Truck	Diesel	100	0.59	840	0.025339	0.022068	0.000158	0.001197	0.001101	0.007678	29.52443	
5	2020	Building - :	Exterior W	Generator	Diesel	40	0.43	80	0.001779	0.006134	5.20E-06	0.000342	0.000314	0.000483	0.811032	
5	2020	Building - :	Exterior W	Grout Mix	Diesel	600	0.59	420	0.161174	0.376913	0.000504	0.023023	0.021181	0.031455	79.72974	
5	2020	Building - :	Exterior W	Grout Wh	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008864	30.38177	
5	2020	Building - :	Exterior W	Man Lift	Diesel	75	0.21	1680	0.115175	0.138655	0.000122	0.015702	0.014445	0.022923	18.35316	
5	2020	Building - :	Exterior W	Tool Truck	Diesel	600	0.59	420	0.036011	0.102979	0.000434	0.004152	0.00382	0.023238	79.75215	
5	2020	Building - :	Exterior W	Tractor Tr	Diesel	600	0.59	840	0.072023	0.205959	0.000868	0.008305	0.00764	0.046458	159.5043	
5	2020	Building - :	Exterior W	Truck Tow	Diesel	300	0.43	80	0.002742	0.012455	3.16E-05	0.000532	0.000489	0.001819	5.47542	
5	2020	Building - :	Interior Bu	Fork Truck	Diesel	100	0.59	1600	0.048265	0.042033	0.000301	0.00228	0.002098	0.014623	56.23701	
5	2020	Building - :	Interior Bu	Man Lift	Diesel	75	0.21	3200	0.219382	0.264106	0.000233	0.029908	0.027515	0.04365	34.95841	
5	2020	Building - :	Interior Bu	Tool Truck	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088473	303.8177	
5	2020	Building - :	Interior Bu	Tractor Tr	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088473	303.8177	
5	2020	Building - :	Roofing	High Lift	Diesel	100	0.59	160	0.004827	0.004203	3.01E-05	0.000228	0.00021	0.000464	5.623701	
5	2020	Building - :	Roofing	Man Lift	Diesel	75	0.21	40	0.002742	0.003301	2.91E-06	0.000374	0.000344	0.00056	0.43698	
5	2020	Building - :	Roofing	Material D	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003336	11.39316	
5	2020	Building - :	Roofing	Tractor Tr	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.00223	7.595443	
5	2020	Building - :	Roofing	Truck Tow	Diesel	300	0.43	120	0.004114	0.018682	4.74E-05	0.000797	0.000734	0.002718	8.21313	
5	2020	Building - :	Security &	High Lift	Diesel	100	0.59	800	0.024133	0.021017	0.000151	0.00114	0.001049	0.007312	28.11851	
5	2020	Building - :	Security &	Tool Truck	Diesel	600	0.59	800	0.068593	0.196151	0.000827	0.007909	0.007277	0.044246	151.9089	
5	2020	Building - :	Structural	90 Ton Cra	Diesel	300	0.43	240	0.008227	0.037365	9.48E-05	0.001595	0.001467	0.005415	16.42626	
5	2020	Building - :	Structural	Concrete F	Diesel	11	0.43	60	0.001395	0.001437	1.24E-06	0.000131	0.00012	0.000202	0.166996	
5	2020	Building - :	Structural	Concrete T	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003336	11.39316	
5	2020	Building - :	Structural	Fork Truck	Diesel	100	0.59	640	0.019306	0.016813	0.000121	0.000912	0.000839	0.00585	22.49481	
5	2020	Building - :	Structural	Tool Truck	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008864	30.38177	
5	2020	Building - :	Structural	Tractor Tr	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019921	68.35899	
5	2020	Building - :	Structural	Trowel Ma	Diesel	600	0.59	40	0.01535	0.035897	4.80E-05	0.002193	0.002017	0.00307	7.593308	
5	2020	Building - :	Structural	Truck Tow	Diesel	300	0.43	720	0.024682	0.112094	0.000284	0.004785	0.004402	0.0162	49.27878	
5	2020	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	4.995	0.000248	0.000571	1.60E-06	5.36E-05	4.93E-05	0.000106	0.276611	
5	2020	Terminal A	Asphalt Pla	Dump Tru	Diesel	600	0.59	17.98987	0.001542	0.004411	1.86E-05	0.000178	0.000164	0.001014	3.416026	
5	2020	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	9.99	0.000318	0.001161	2.39E-06	7.65E-05	7.04E-05	0.000163	0.39881	
5	2020	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	4.995	0.000428	0.001225	5.16E-06	4.94E-05	4.54E-05	0.000295	0.948481	
5	2020	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	4.995	0.000424	0.000424	1.03E-06	5.09E-05	4.68E-05	6.94E-05	0.175533	
5	2020	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.995	0.000373	0.000405	3.64E-07	5.45E-05	5.02E-05	0.000105	0.054555	
5	2020	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	6.3936	0.000247	0.000464	4.17E-07	3.67E-05	3.38E-05	4.94E-05	0.056086	
5	2020	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	10.8	0.026908	0.000121	1.29E-05	0.000894	0.000822	0.008113	0.057047	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
5	2020	Terminal A	Clearing ar	Chipper/Sh	Diesel	100	0.43	10.8	0.000869	0.001543	1.78E-06	0.000151	0.000138	0.000185	0.273675	
5	2020	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	14.4	0.001235	0.003531	1.49E-05	0.000142	0.000131	0.000815	2.734359	
5	2020	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	13.32	0.000698	0.001133	2.05E-06	9.98E-05	9.18E-05	0.000151	0.337776	
5	2020	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	13.32	0.000181	0.001148	1.06E-06	2.48E-05	2.28E-05	5.83E-05	0.187243	
5	2020	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	55.5	0.004759	0.013608	5.74E-05	0.000549	0.000505	0.003087	10.53868	
5	2020	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	26.64	0.000848	0.003096	6.38E-06	0.000204	0.000188	0.000405	1.063493	
5	2020	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	39.96	0.003426	0.009798	4.13E-05	0.000395	0.000363	0.002228	7.587847	
5	2020	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	13.32	0.000725	0.001693	4.31E-06	0.00016	0.000147	0.000266	0.737611	
5	2020	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	13.32	0.000662	0.001522	4.26E-06	0.000143	0.000132	0.000258	0.73763	
5	2020	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	13.32	0.000515	0.000966	8.68E-07	7.65E-05	7.04E-05	0.000103	0.116846	
5	2020	Terminal A	Drainage -	Dozer	Diesel	175	0.59	13.12	0.000554	0.001277	4.12E-06	0.000114	0.000105	0.000242	0.72658	
5	2020	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	13.12	0.001125	0.003217	1.36E-05	0.00013	0.000119	0.000744	2.491305	
5	2020	Terminal A	Drainage -	Excavator	Diesel	175	0.59	13.12	0.000436	0.001047	4.03E-06	8.08E-05	7.44E-05	0.00023	0.726605	
5	2020	Terminal A	Drainage -	Loader	Diesel	175	0.59	13.12	0.000714	0.001667	4.25E-06	0.000157	0.000145	0.000262	0.726536	
5	2020	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	13.12	0.000418	0.001525	3.14E-06	0.000101	9.25E-05	0.000208	0.523762	
5	2020	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	13.12	0.001125	0.003217	1.36E-05	0.00013	0.000119	0.000744	2.491305	
5	2020	Terminal A	Drainage -	Roller	Diesel	100	0.59	13.12	0.001112	0.001115	2.70E-06	0.000134	0.000123	0.000163	0.461059	
5	2020	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	7.288889	0.000625	0.001787	7.53E-06	7.21E-05	6.63E-05	0.000422	1.384058	
5	2020	Terminal A	Drainage -	Loader	Diesel	175	0.59	7.288889	0.000397	0.000926	2.36E-06	8.75E-05	8.05E-05	0.000153	0.403631	
5	2020	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	7.288889	0.000232	0.000847	1.75E-06	5.58E-05	5.14E-05	0.000123	0.290979	
5	2020	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	7.288889	0.000625	0.001787	7.53E-06	7.21E-05	6.63E-05	0.000422	1.384058	
5	2020	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	7.288889	0.00067	0.000519	6.82E-07	9.25E-05	8.51E-05	0.000155	0.106247	
5	2020	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	960	0.082312	0.235381	0.000992	0.009491	0.008732	0.053092	182.2906	
5	2020	Terminal A	Excavation	Dozer	Diesel	175	0.59	22.2	0.000937	0.002161	6.97E-06	0.000193	0.000177	0.000401	1.229427	
5	2020	Terminal A	Excavation	Dump Tru	Diesel	600	0.59	22.2	0.001903	0.005443	2.29E-05	0.000219	0.000202	0.001246	4.215471	

5	2020	Terminal /	Excavation	Pickup Tru	Diesel	600	0.59	22.2	0.001903	0.005443	2.29E-05	0.000219	0.000202	0.001246	4.215471
5	2020	Terminal /	Excavation	Roller	Diesel	100	0.59	10.24615	0.000869	0.000871	2.10E-06	0.000104	9.60E-05	0.00013	0.360067
5	2020	Terminal /	Excavation	Dozer	Diesel	175	0.59	16.65	0.000703	0.001621	5.23E-06	0.000145	0.000133	0.000304	0.92207
5	2020	Terminal /	Excavation	Dump Tru	Diesel	600	0.59	44.4	0.003807	0.010886	4.59E-05	0.000439	0.000404	0.002474	8.430942
5	2020	Terminal /	Excavation	Excavator	Diesel	175	0.59	13.32	0.000443	0.001063	4.09E-06	8.21E-05	7.55E-05	0.000234	0.737681
5	2020	Terminal /	Excavation	Pickup Tru	Diesel	600	0.59	13.32	0.001142	0.003266	1.38E-05	0.000132	0.000121	0.000755	2.529282
5	2020	Terminal /	Excavation	Roller	Diesel	100	0.59	13.32	0.001129	0.001132	2.74E-06	0.000136	0.000125	0.000165	0.468088
5	2020	Terminal /	Excavation	Scraper	Diesel	600	0.59	16.65	0.003541	0.008799	1.87E-05	0.000523	0.000481	0.001058	3.161377
5	2020	Terminal /	Excavation	Dozer	Diesel	175	0.59	6.268235	0.000265	0.00061	1.97E-06	5.44E-05	5.01E-05	0.000122	0.347132
5	2020	Terminal /	Fencing	Concrete T	Diesel	600	0.59	4.444444	0.000381	0.00109	4.59E-06	4.39E-05	4.04E-05	0.000265	0.843938
5	2020	Terminal /	Fencing	Dump Tru	Diesel	600	0.59	17.77778	0.001524	0.004359	1.84E-05	0.000176	0.000162	0.001002	3.375752
5	2020	Terminal /	Fencing	Other Gen	Diesel	175	0.43	17.77778	0.000566	0.002066	4.26E-06	0.000136	0.000125	0.000276	0.709705
5	2020	Terminal /	Fencing	Pickup Tru	Diesel	600	0.59	17.77778	0.001524	0.004359	1.84E-05	0.000176	0.000162	0.001002	3.375752
5	2020	Terminal /	Fencing	Skid Steer	Diesel	75	0.21	17.77778	0.001328	0.001443	1.29E-06	0.000194	0.000179	0.000291	0.194169
5	2020	Terminal /	Fencing	Tractors/L	Diesel	100	0.21	17.77778	0.001634	0.001265	1.66E-06	0.000226	0.000207	0.000305	0.259139
5	2020	Terminal /	Grading	Dozer	Diesel	175	0.59	4.551	0.000192	0.000443	1.43E-06	3.95E-05	3.63E-05	9.23E-05	0.252033
5	2020	Terminal /	Grading	Grader	Diesel	300	0.59	4.551	0.000216	0.00067	2.39E-06	3.34E-05	3.07E-05	0.000145	0.432071
5	2020	Terminal /	Grading	Roller	Diesel	100	0.59	4.551	0.000386	0.000387	9.35E-07	4.63E-05	4.26E-05	6.43E-05	0.15993
5	2020	Terminal /	Hydroseed	Hydroseed	Diesel	600	0.59	4.1	0.000352	0.001005	4.24E-06	4.05E-05	3.73E-05	0.000246	0.778533
5	2020	Terminal /	Hydroseed	Off-Road T	Diesel	600	0.59	4.1	0.000352	0.001005	4.24E-06	4.05E-05	3.73E-05	0.000246	0.778533
5	2020	Terminal /	Lighting	Dump Tru	Diesel	600	0.59	6.533333	0.00056	0.001602	6.75E-06	6.46E-05	5.94E-05	0.00038	1.240589
5	2020	Terminal /	Lighting	Loader	Diesel	175	0.59	6.533333	0.000356	0.00083	2.11E-06	7.84E-05	7.21E-05	0.000139	0.361791
5	2020	Terminal /	Lighting	Other Gen	Diesel	175	0.43	6.533333	0.000208	0.000759	1.57E-06	5.01E-05	4.61E-05	0.000112	0.260817
5	2020	Terminal /	Lighting	Pickup Tru	Diesel	600	0.59	6.533333	0.00056	0.001602	6.75E-06	6.46E-05	5.94E-05	0.00038	1.240589
5	2020	Terminal /	Lighting	Skid Steer	Diesel	75	0.21	6.533333	0.000488	0.00053	4.76E-07	7.13E-05	6.56E-05	0.000128	0.071357
5	2020	Terminal /	Lighting	Tractors/L	Diesel	100	0.21	6.533333	0.0006	0.000465	6.11E-07	8.29E-05	7.62E-05	0.000144	0.095233
5	2020	Terminal /	Markings	Flatbed Tr	Diesel	600	0.59	82.28571	0.007055	0.020176	8.50E-05	0.000814	0.000748	0.004568	15.62491
5	2020	Terminal /	Markings	Other Gen	Diesel	175	0.43	82.28571	0.002619	0.009562	1.97E-05	0.00063	0.00058	0.001216	3.284921
5	2020	Terminal /	Markings	Pickup Tru	Diesel	600	0.59	82.28571	0.007055	0.020176	8.50E-05	0.000814	0.000748	0.004568	15.62491
5	2020	Terminal /	Sealing/Fu	Distributin	Diesel	600	0.59	10.656	0.000914	0.002613	1.10E-05	0.000105	9.69E-05	0.000608	2.023426
5	2020	Terminal /	Sealing/Fu	Other Gen	Diesel	175	0.43	10.656	0.000339	0.001238	2.55E-06	8.16E-05	7.51E-05	0.000172	0.425397
5	2020	Terminal /	Sealing/Fu	Pickup Tru	Diesel	600	0.59	10.656	0.000914	0.002613	1.10E-05	0.000105	9.69E-05	0.000608	2.023426
5	2020	Terminal /	Soil Erosio	Other Gen	Diesel	175	0.43	3.6	0.000115	0.000418	8.62E-07	2.76E-05	2.54E-05	6.96E-05	0.143715
5	2020	Terminal /	Soil Erosio	Pickup Tru	Diesel	600	0.59	7.2	0.000617	0.001765	7.44E-06	7.12E-05	6.55E-05	0.000417	1.36718
5	2020	Terminal /	Soil Erosio	Pumps	Diesel	11	0.43	3.6	8.37E-05	8.62E-05	7.45E-08	7.84E-06	7.21E-06	1.33E-05	0.01002
5	2020	Terminal /	Soil Erosio	Tractors/L	Diesel	100	0.21	3.6	0.000331	0.000256	3.37E-07	4.57E-05	4.20E-05	0.000102	0.052476
5	2020	Terminal /	Subbase P	Dozer	Diesel	175	0.59	8.412632	0.000355	0.000819	2.64E-06	7.30E-05	6.72E-05	0.00016	0.465888
5	2020	Terminal /	Subbase P	Dump Tru	Diesel	600	0.59	59.2	0.005076	0.014515	6.12E-05	0.000585	0.000538	0.003292	11.24126
5	2020	Terminal /	Subbase P	Pickup Tru	Diesel	600	0.59	8.412632	0.000721	0.002063	8.69E-06	8.32E-05	7.65E-05	0.000484	1.597442
5	2020	Terminal /	Subbase P	Roller	Diesel	100	0.59	8.196923	0.000695	0.000696	1.68E-06	8.35E-05	7.68E-05	0.000106	0.288054
5	2020	Terminal /	Topsoil Pla	Dozer	Diesel	175	0.59	10.11333	0.000427	0.000985	3.18E-06	8.78E-05	8.08E-05	0.00019	0.560072
5	2020	Terminal /	Topsoil Pla	Dump Tru	Diesel	600	0.59	10.11333	0.000867	0.00248	1.05E-05	1.00E-04	9.20E-05	0.000578	1.920381
5	2020	Terminal /	Topsoil Pla	Pickup Tru	Diesel	600	0.59	10.11333	0.000867	0.00248	1.05E-05	1.00E-04	9.20E-05	0.000578	1.920381

On-Road Sources
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Scenario II	Year	Project	Equipment	Equipment	On-road A	Fuel	Roadway T	Round Trip	Distance fc	Number of	Number of	Number of	Project Le	Project Wi	Project Are	Building H	Open Spac	Number of	Activity Ra	VMT	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
1	2019	Parking Lo	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	1200	196	--	--	--	--	--	3413	0.008365	0.021027	6.26E-05	0.000938	0.00091	0.001513	7.997726	0.001109	0.000224
1	2019	Parking Lo	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	6	--		129	1200	196	--	--	--	--	--	54390	0.069175	0.14691	0.000527	0.005059	0.004907	0.002494	68.20894	0.012709	0.003765
1	2019	Parking Lo	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	1200	196	--	--	--	--	--	4835	0.007493	0.013562	4.71E-05	0.000451	0.000437	0.000399	6.084058	0.00113	0.000335
1	2019	Parking Lo	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	1200	196	--	--	--	--	--	29008	0.036317	0.078137	0.000281	0.002697	0.002617	0.001254	36.36926	0.006778	0.002008
1	2019	Parking Lo	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	77	77	129	--	--	--	--	--	--	--	--	297990	3.679859	0.091933	0.002277	0.007719	0.007108	0.104651	113.3437	0.020755	0.001316
2	2019	Parking Lo	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	1200	196	--	--	--	--	--	3413	0.007818	0.018707	6.60E-05	0.000938	0.00091	0.001573	8.444924	0.001123	0.000224
2	2019	Parking Lo	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	6	--		129	1200	196	--	--	--	--	--	54390	0.066245	0.131856	0.000567	0.005061	0.00491	0.001157	73.30416	0.012823	0.003765
2	2019	Parking Lo	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	1200	196	--	--	--	--	--	4835	0.007005	0.011747	5.05E-05	0.000451	0.000438	0.000177	6.529191	0.00114	0.000335
2	2019	Parking Lo	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	1200	196	--	--	--	--	--	29008	0.034852	0.070312	0.000302	0.002699	0.002618	0.000585	39.09006	0.006839	0.002008
2	2019	Parking Lo	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	85	85	129	--	--	--	--	--	--	--	--	328950	1.181681	0.097378	0.002428	0.002086	0.00192	0.074066	127.7193	0.024232	0.001516
3	2020	Access Roa	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	3000	24	--	--	--	--	--	1045	0.004534	0.00666	1.93E-05	0.000254	0.000246	0.001515	2.483167	0.000308	6.97E-05
3	2020	Access Roa	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	3000	24	--	--	--	--	--	16650	0.020335	0.04174	0.000161	0.00136	0.001319	0.000806	20.88755	0.003487	0.001159
3	2020	Access Roa	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	3000	24	--	--	--	--	--	1480	0.004176	0.004595	1.46E-05	0.000123	0.000119	0.000377	1.893028	0.00031	0.000103
3	2020	Access Roa	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	3000	24	--	--	--	--	--	8880	0.010653	0.02219	8.58E-05	0.000725	0.000703	0.000405	11.13708	0.00186	0.000618
3	2020	Access Roa	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	86	86	129	--	--	--	--	--	--	--	--	332820	4.056347	0.094722	0.002506	0.008478	0.007807	0.108535	124.7611	0.02192	0.001458
4	2020	Access Roa	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	3000	24	--	--	--	--	--	1045	0.003987	0.005253	2.03E-05	0.000254	0.000246	0.001593	2.607582	0.000312	6.97E-05
4	2020	Access Roa	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	3000	24	--	--	--	--	--	16650	0.019358	0.037182	0.000173	0.001361	0.00132	0.000377	22.44493	0.003522	0.001159
4	2020	Access Roa	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	3000	24	--	--	--	--	--	1480	0.003688	0.003351	1.56E-05	0.000123	0.000119	0.000162	2.017699	0.000313	0.000103
4	2020	Access Roa	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	3000	24	--	--	--	--	--	8880	0.010165	0.019827	9.22E-05	0.000726	0.000704	0.00019	11.9688	0.001878	0.000618
4	2020	Access Roa	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	86	86	129	--	--	--	--	--	--	--	--	332820	1.171469	0.089997	0.002421	0.002087	0.001922	0.072516	127.3558	0.023219	0.001525
4	2020	Building - :	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	--	--	100000	--	--	--	--	23125	0.027418	0.051654	0.00024	0.00189	0.001834	0.000558	31.17962	0.004891	0.00161
4	2020	Building - :	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	--	--	100000	--	--	--	--	12333	0.015579	0.02757	0.000128	0.001009	0.000979	0.00036	16.63967	0.002609	0.000858
4	2020	Building - :	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	299.64	299.64	129	--	--	--	--	--	--	--	--	1159607	4.081617	0.313565	0.008435	0.007273	0.006697	0.25266	443.7314	0.080901	0.005312
4	2020	Building - :	Tractor Tra	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	--	--	100000	--	--	--	0.0024	2400	0.005872	0.011915	4.63E-05	0.000578	0.000561	0.001598	5.947978	0.000717	0.00016
4	2020	Terminal /	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	400	135	--	--	--	--	--	784	0.003624	0.003969	1.53E-05	0.000192	0.000186	0.001592	1.964155	0.000234	5.23E-05
4	2020	Terminal /	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	400	135	--	--	--	--	--	12488	0.015715	0.027915	0.00013	0.001022	0.000991	0.000361	16.84811	0.002642	0.000869
4	2020	Terminal /	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	400	135	--	--	--	--	--	1110	0.003364	0.002527	1.17E-05	9.28E-05	9.01E-05	0.000161	1.520144	0.000235	7.73E-05
4	2020	Terminal /	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	400	135	--	--	--	--	--	6660	0.008222	0.014884	6.92E-05	0.000545	0.000528	0.000182	8.983467	0.001409	0.000464
4	2020	Terminal /	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	76	76	129	--	--	--	--	--	--	--	--	294120	1.035252	0.079532	0.002139	0.001845	0.001699	0.064084	112.547	0.02052	0.001347
5	2020	Building - :	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	4	--		86	--	--	100000	--	--	--	--	23125	0.027923	0.057853	0.000223	0.001888	0.001832	0.001079	29.00557	0.004843	0.00161
5	2020	Building - :	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		86	--	--	100000	--	--	--	--	12333	0.014636	0.030759	0.000119	0.001007	0.000977	0.000542	15.46529	0.002583	0.000858
5	2020	Building - :	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	199.76	199.76	86	--	--	--	--	--	--	--	--	515381	6.281365	0.14668	0.00388	0.013129	0.012089	0.168069	193.1961	0.033944	0.002258
5	2020	Building - :	Tractor Tra	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		86	--	--	100000	--	--	--	0.0024	2400	0.005392	0.013384	4.37E-05	0.000576	0.000559	0.001016	5.622162	0.000707	0.00016
5	2020	Terminal /	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		86	400	90	--	--	--	--	--	522	0.00278	0.003523	9.73E-06	0.000128	0.000124	0.001009	1.248681	0.000154	3.48E-05
5	2020	Terminal /	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		86	400	90	--	--	--	--	--	8325	0.011127	0.021229	8.06E-05	0.000681	0.00066	0.000527	10.45851	0.001744	0.000579
5	2020	Terminal /	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		86	400	90	--	--	--	--	--	740	0.002568	0.002477	7.36E-06	6.19E-05	6.00E-05	0.00025	0.953883	0.000155	5.15E-05
5	2020	Terminal /	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		86	400	90	--	--	--	--	--	4440	0.005807	0.011274	4.30E-05	0.000363	0.000352	0.000265	5.575908	0.00093	0.000309
5	2020	Terminal /	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	76	76	86	--	--	--	--	--	--	--	--	196080	2.389786	0.055805	0.001476	0.004995	0.004599	0.063943	73.50268	0.012914	0.000859

Fugitive Sources
Units for Non-Greenhouse Gases Emission: Short Ton

Scenario II	Year	Project	Fugitive Sc	Number of	CO	NOx	SO2	PM10	VOC
1	2019	Parking Lo	Asphalt Dr	6	0	0	0	0	8.7253
1	2019	Parking Lo	Asphalt Sto	6	0.5691	0.03555	0.00655	0.03895	0.0176
1	2019	Parking Lo	Material M	6	0	0	0	0.03295	0
1	2019	Parking Lo	Material M	6	0	0	0	0.10715	0
1	2019	Parking Lo	Soil Handli	6	0	0	0	0.06655	0
1	2019	Parking Lo	Unstabilize	6	0	0	0	4.75E-08	0
2	2019	Parking Lo	Asphalt Dr	6	0	0	0	0	8.7253
2	2019	Parking Lo	Asphalt Sto	6	0.5691	0.03555	0.00655	0.03895	0.0176
2	2019	Parking Lo	Concrete M	6	0	0	0	0.20125	0
2	2019	Parking Lo	Material M	6	0	0	0	0.03295	0
2	2019	Parking Lo	Material M	6	0	0	0	0.10715	0
2	2019	Parking Lo	Soil Handli	6	0	0	0	0.06655	0
2	2019	Parking Lo	Unstabilize	6	0	0	0	4.75E-08	0
3	2020	Access Roa	Asphalt Dr	6	0	0	0	0	2.671
3	2020	Access Roa	Asphalt Sto	6	0.1742	0.0109	0.002002	0.01195	0.0054
3	2020	Access Roa	Concrete M	6	0	0	0	0.0616	0
3	2020	Access Roa	Material M	6	0	0	0	0.01495	0
3	2020	Access Roa	Material M	6	0	0	0	0.05115	0
3	2020	Access Roa	Soil Handli	6	0	0	0	0.0204	0
3	2020	Access Roa	Unstabilize	6	0	0	0	1.45E-08	0
4	2020	Access Roa	Asphalt Dr	6	0	0	0	0	2.671
4	2020	Access Roa	Asphalt Sto	6	0.1742	0.0109	0.002002	0.01195	0.0054
4	2020	Access Roa	Concrete M	6	0	0	0	0.0616	0
4	2020	Access Roa	Material M	6	0	0	0	0.01495	0
4	2020	Access Roa	Material M	6	0	0	0	0.05115	0
4	2020	Access Roa	Soil Handli	6	0	0	0	0.0204	0
4	2020	Access Roa	Unstabilize	6	0	0	0	1.45E-08	0
4	2020	Building - :	Concrete M	6	0	0	0	0.08555	0
4	2020	Building - :	Material M	6	0	0	0	0.01495	0
4	2020	Building - :	Material M	6	0	0	0	0.04555	0
4	2020	Terminal /	Asphalt Dr	6	0	0	0	0	2.00325
4	2020	Terminal /	Asphalt Sto	6	0.13065	0.00815	0.001501	0.00895	0.004047
4	2020	Terminal /	Concrete M	6	0	0	0	0.0462	0
4	2020	Terminal /	Material M	6	0	0	0	0.01495	0
4	2020	Terminal /	Material M	6	0	0	0	0.04655	0
4	2020	Terminal /	Soil Handli	6	0	0	0	0.0153	0
4	2020	Terminal /	Unstabilize	6	0	0	0	1.09E-08	0
5	2020	Building - :	Concrete M	4	0	0	0	0.08555	0
5	2020	Building - :	Material M	4	0	0	0	0.01195	0
5	2020	Building - :	Material M	4	0	0	0	0.0367	0
5	2020	Terminal /	Asphalt Dr	4	0	0	0	0	1.3355
5	2020	Terminal /	Asphalt Sto	4	0.0871	0.00545	0.001001	0.00595	0.002698
5	2020	Terminal /	Concrete M	4	0	0	0	0.0308	0
5	2020	Terminal /	Material M	4	0	0	0	0.01	0
5	2020	Terminal /	Material M	4	0	0	0	0.03125	0
5	2020	Terminal /	Soil Handli	4	0	0	0	0.0102	0
5	2020	Terminal /	Unstabilize	4	0	0	0	4.84E-09	0

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INPUT DATA AND SPECIFICATIONS

State/County
Colorado
La Plata County

Scenarios

Scenario It	Year	Number of	Season	Average Di	Max Daily	Min Daily	Temp Change (degF)
1	2019	6	Winter	10 < T <= 3	10 <= Char	10 <= Change in T < 20	
2	2019	6	Summer	50 < T <= 8	10 <= Char	10 <= Change in T < 20	
3	2020	6	Winter	10 < T <= 3	10 <= Char	10 <= Change in T < 20	
4	2020	6	Summer	50 < T <= 8	10 <= Char	10 <= Change in T < 20	
5	2020	4	Winter	10 < T <= 3	10 <= Char	10 <= Change in T < 20	
6							

Project Final Selections

Scenario It	Project	Constructi	Equipment	Fuel Type	
1	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	
1	Parking Lo	Asphalt Pl	Dump Truc	Diesel	
1	Parking Lo	Asphalt Pl	Other Gen	Diesel	
1	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	
1	Parking Lo	Asphalt Pl	Roller	Diesel	
1	Parking Lo	Asphalt Pl	Skid Steer	Diesel	
1	Parking Lo	Asphalt Pl	Surfacing E	Diesel	
1	Parking Lo	Clearing a	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Parking Lo	Clearing a	Chipper/St	Diesel	
1	Parking Lo	Clearing a	Pickup Tru	Diesel	
1	Parking Lo	Curbing	Concrete T	Diesel	
1	Parking Lo	Curbing	Curb/Gutt	Diesel	
1	Parking Lo	Curbing	Other Gen	Diesel	
1	Parking Lo	Curbing	Pickup Tru	Diesel	
1	Parking Lo	Drainage -	Dozer	Diesel	
1	Parking Lo	Drainage -	Dump Truc	Diesel	
1	Parking Lo	Drainage -	Excavator	Diesel	
1	Parking Lo	Drainage -	Loader	Diesel	
1	Parking Lo	Drainage -	Other Gen	Diesel	
1	Parking Lo	Drainage -	Pickup Tru	Diesel	
1	Parking Lo	Drainage -	Roller	Diesel	
1	Parking Lo	Drainage -	Dump Truc	Diesel	
1	Parking Lo	Drainage -	Loader	Diesel	
1	Parking Lo	Drainage -	Other Gen	Diesel	
1	Parking Lo	Drainage -	Pickup Tru	Diesel	
1	Parking Lo	Drainage -	Tractors/L	Diesel	
1	Parking Lo	Excavatior	Dozer	Diesel	
1	Parking Lo	Excavatior	Dump Truc	Diesel	
1	Parking Lo	Excavatior	Pickup Tru	Diesel	
1	Parking Lo	Excavatior	Roller	Diesel	
1	Parking Lo	Excavatior	Dozer	Diesel	
1	Parking Lo	Excavatior	Dump Truc	Diesel	
1	Parking Lo	Excavatior	Excavator	Diesel	
1	Parking Lo	Excavatior	Pickup Tru	Diesel	
1	Parking Lo	Excavatior	Roller	Diesel	
1	Parking Lo	Excavatior	Scraper	Diesel	
1	Parking Lo	Excavatior	Dozer	Diesel	
1	Parking Lo	Fencing	Concrete T	Diesel	
1	Parking Lo	Fencing	Dump Truc	Diesel	
1	Parking Lo	Fencing	Other Gen	Diesel	
1	Parking Lo	Fencing	Pickup Tru	Diesel	
1	Parking Lo	Fencing	Skid Steer	Diesel	
1	Parking Lo	Fencing	Tractors/L	Diesel	
1	Parking Lo	Grading	Dozer	Diesel	
1	Parking Lo	Grading	Grader	Diesel	
1	Parking Lo	Grading	Roller	Diesel	
1	Parking Lo	Hydroseed	Hydroseed	Diesel	
1	Parking Lo	Hydroseed	Off-Road T	Diesel	
1	Parking Lo	Markings	Flatbed Tr	Diesel	
1	Parking Lo	Markings	Other Gen	Diesel	
1	Parking Lo	Markings	Pickup Tru	Diesel	
1	Parking Lo	Sidewalks	Concrete T	Diesel	
1	Parking Lo	Sidewalks	Dump Truc	Diesel	
1	Parking Lo	Sidewalks	Pickup Tru	Diesel	
1	Parking Lo	Sidewalks	Tractors/L	Diesel	
1	Parking Lo	Sidewalks	Vibratory (	Diesel	
1	Parking Lo	Soil Erosio	Other Gen	Diesel	
1	Parking Lo	Soil Erosio	Pickup Tru	Diesel	
1	Parking Lo	Soil Erosio	Pumps	Diesel	
1	Parking Lo	Soil Erosio	Tractors/L	Diesel	
1	Parking Lo	Street Ligh	Dump Truc	Diesel	
1	Parking Lo	Street Ligh	Loader	Diesel	
1	Parking Lo	Street Ligh	Other Gen	Diesel	
1	Parking Lo	Street Ligh	Pickup Tru	Diesel	
1	Parking Lo	Street Ligh	Skid Steer	Diesel	
1	Parking Lo	Street Ligh	Tractors/L	Diesel	
1	Parking Lo	Subbase P	Dozer	Diesel	
1	Parking Lo	Subbase P	Dump Truc	Diesel	
1	Parking Lo	Subbase P	Pickup Tru	Diesel	
1	Parking Lo	Subbase P	Roller	Diesel	
1	Parking Lo	Topsoil Pl	Dozer	Diesel	
1	Parking Lo	Topsoil Pl	Dump Truc	Diesel	
1	Parking Lo	Topsoil Pl	Pickup Tru	Diesel	
1	Parking Lo	Tree Plant	Flatbed Tr	Diesel	
1	Parking Lo	Tree Plant	Other Gen	Diesel	
1	Parking Lo	Tree Plant	Pickup Tru	Diesel	
1	Parking Lo	Tree Plant	Tractors/L	Diesel	
2	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	
2	Parking Lo	Asphalt Pl	Dump Truc	Diesel	
2	Parking Lo	Asphalt Pl	Other Gen	Diesel	
2	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	
2	Parking Lo	Asphalt Pl	Roller	Diesel	
2	Parking Lo	Asphalt Pl	Skid Steer	Diesel	
2	Parking Lo	Asphalt Pl	Surfacing E	Diesel	
2	Parking Lo	Clearing a	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	Parking Lo	Clearing a	Chipper/St	Diesel	
2	Parking Lo	Clearing a	Pickup Tru	Diesel	
2	Parking Lo	Concrete F	Air Compre	Diesel	
2	Parking Lo	Concrete F	Concrete S	Diesel	
2	Parking Lo	Concrete F	Concrete T	Diesel	
2	Parking Lo	Concrete F	Other Gen	Diesel	
2	Parking Lo	Concrete F	Pickup Tru	Diesel	
2	Parking Lo	Concrete F	Rubber Tir	Diesel	
2	Parking Lo	Concrete F	Slip Form I	Diesel	
2	Parking Lo	Concrete F	Surfacing E	Diesel	
2	Parking Lo	Curbing	Concrete T	Diesel	
2	Parking Lo	Curbing	Curb/Gutt	Diesel	
2	Parking Lo	Curbing	Other Gen	Diesel	
2	Parking Lo	Curbing	Pickup Tru	Diesel	
2	Parking Lo	Drainage -	Dozer	Diesel	
2	Parking Lo	Drainage -	Dump Truc	Diesel	
2	Parking Lo	Drainage -	Excavator	Diesel	
2	Parking Lo	Drainage -	Loader	Diesel	
2	Parking Lo	Drainage -	Other Gen	Diesel	
2	Parking Lo	Drainage -	Pickup Tru	Diesel	
2	Parking Lo	Drainage -	Roller	Diesel	
2	Parking Lo	Drainage -	Dump Truc	Diesel	
2	Parking Lo	Drainage -	Loader	Diesel	
2	Parking Lo	Drainage -	Other Gen	Diesel	
2	Parking Lo	Drainage -	Pickup Tru	Diesel	
2	Parking Lo	Drainage -	Tractors/L	Diesel	
2	Parking Lo	Excavatior	Dozer	Diesel	
2	Parking Lo	Excavatior	Dump Truc	Diesel	
2	Parking Lo	Excavatior	Pickup Tru	Diesel	
2	Parking Lo	Excavatior	Roller	Diesel	
2	Parking Lo	Excavatior	Dozer	Diesel	
2	Parking Lo	Excavatior	Dump Truc	Diesel	
2	Parking Lo	Excavatior	Excavator	Diesel	
2	Parking Lo	Excavatior	Pickup Tru	Diesel	
2	Parking Lo	Excavatior	Roller	Diesel	
2	Parking Lo	Excavatior	Scraper	Diesel	

2	Parking Lo	Excavatior	Dozer	Diesel	
2	Parking Lo	Fencing	Concrete T	Diesel	
2	Parking Lo	Fencing	Dump Truc	Diesel	
2	Parking Lo	Fencing	Other Gen	Diesel	
2	Parking Lo	Fencing	Pickup Tru	Diesel	
2	Parking Lo	Fencing	Skid Steer	Diesel	
2	Parking Lo	Fencing	Tractors/Lo	Diesel	
2	Parking Lo	Grading	Dozer	Diesel	
2	Parking Lo	Grading	Grader	Diesel	
2	Parking Lo	Grading	Roller	Diesel	
2	Parking Lo	Hydroseec	Hydroseed	Diesel	
2	Parking Lo	Hydroseec	Off-Road T	Diesel	
2	Parking Lo	Markings	Flatbed Tr	Diesel	
2	Parking Lo	Markings	Other Gen	Diesel	
2	Parking Lo	Markings	Pickup Tru	Diesel	
2	Parking Lo	Sidewalks	Concrete T	Diesel	
2	Parking Lo	Sidewalks	Dump Truc	Diesel	
2	Parking Lo	Sidewalks	Pickup Tru	Diesel	
2	Parking Lo	Sidewalks	Tractors/Lo	Diesel	
2	Parking Lo	Sidewalks	Vibratory (	Diesel	
2	Parking Lo	Soil Erosio	Other Gen	Diesel	
2	Parking Lo	Soil Erosio	Pickup Tru	Diesel	
2	Parking Lo	Soil Erosio	Pumps	Diesel	
2	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	
2	Parking Lo	Street Ligh	Dump Truc	Diesel	
2	Parking Lo	Street Ligh	Loader	Diesel	
2	Parking Lo	Street Ligh	Other Gen	Diesel	
2	Parking Lo	Street Ligh	Pickup Tru	Diesel	
2	Parking Lo	Street Ligh	Skid Steer	Diesel	
2	Parking Lo	Street Ligh	Tractors/Lo	Diesel	
2	Parking Lo	Subbase P	Dozer	Diesel	
2	Parking Lo	Subbase P	Dump Truc	Diesel	
2	Parking Lo	Subbase P	Pickup Tru	Diesel	
2	Parking Lo	Subbase P	Roller	Diesel	
2	Parking Lo	Topsoil Pla	Dozer	Diesel	
2	Parking Lo	Topsoil Pla	Dump Truc	Diesel	
2	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	
2	Parking Lo	Tree Plant	Flatbed Tr	Diesel	
2	Parking Lo	Tree Plant	Other Gen	Diesel	
2	Parking Lo	Tree Plant	Pickup Tru	Diesel	
2	Parking Lo	Tree Plant	Tractors/Lo	Diesel	
3	Access Roa	Asphalt Pla	Asphalt Pa	Diesel	
3	Access Roa	Asphalt Pla	Dump Truc	Diesel	
3	Access Roa	Asphalt Pla	Other Gen	Diesel	
3	Access Roa	Asphalt Pla	Pickup Tru	Diesel	
3	Access Roa	Asphalt Pla	Roller	Diesel	
3	Access Roa	Asphalt Pla	Skid Steer	Diesel	
3	Access Roa	Asphalt Pla	Surfacing E	Diesel	
3	Access Roa	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Access Roa	Clearing an	Chipper/St	Diesel	
3	Access Roa	Clearing an	Pickup Tru	Diesel	
3	Access Roa	Concrete F	Air Compre	Diesel	
3	Access Roa	Concrete F	Concrete S	Diesel	
3	Access Roa	Concrete F	Concrete T	Diesel	
3	Access Roa	Concrete F	Other Gen	Diesel	
3	Access Roa	Concrete F	Pickup Tru	Diesel	
3	Access Roa	Concrete F	Rubber Tir	Diesel	
3	Access Roa	Concrete F	Slip Form I	Diesel	
3	Access Roa	Concrete F	Surfacing E	Diesel	
3	Access Roa	Curbing	Concrete T	Diesel	
3	Access Roa	Curbing	Curb/Gutte	Diesel	
3	Access Roa	Curbing	Other Gen	Diesel	
3	Access Roa	Curbing	Pickup Tru	Diesel	
3	Access Roa	Drainage -	Dozer	Diesel	
3	Access Roa	Drainage -	Dump Truc	Diesel	
3	Access Roa	Drainage -	Excavator	Diesel	
3	Access Roa	Drainage -	Loader	Diesel	
3	Access Roa	Drainage -	Other Gen	Diesel	
3	Access Roa	Drainage -	Pickup Tru	Diesel	
3	Access Roa	Drainage -	Roller	Diesel	
3	Access Roa	Drainage -	Dump Truc	Diesel	
3	Access Roa	Drainage -	Loader	Diesel	
3	Access Roa	Drainage -	Other Gen	Diesel	
3	Access Roa	Drainage -	Pickup Tru	Diesel	
3	Access Roa	Drainage -	Tractors/Lo	Diesel	
3	Access Roa	Dust Contr	Water Truc	Diesel	
3	Access Roa	Excavatior	Dozer	Diesel	
3	Access Roa	Excavatior	Dump Truc	Diesel	
3	Access Roa	Excavatior	Pickup Tru	Diesel	
3	Access Roa	Excavatior	Roller	Diesel	
3	Access Roa	Excavatior	Dozer	Diesel	
3	Access Roa	Excavatior	Dump Truc	Diesel	
3	Access Roa	Excavatior	Excavator	Diesel	
3	Access Roa	Excavatior	Pickup Tru	Diesel	
3	Access Roa	Excavatior	Roller	Diesel	
3	Access Roa	Excavatior	Scraper	Diesel	
3	Access Roa	Excavatior	Dozer	Diesel	
3	Access Roa	Fencing	Concrete T	Diesel	
3	Access Roa	Fencing	Dump Truc	Diesel	
3	Access Roa	Fencing	Other Gen	Diesel	
3	Access Roa	Fencing	Pickup Tru	Diesel	
3	Access Roa	Fencing	Skid Steer	Diesel	
3	Access Roa	Fencing	Tractors/Lo	Diesel	
3	Access Roa	Grading	Dozer	Diesel	
3	Access Roa	Grading	Grader	Diesel	
3	Access Roa	Grading	Roller	Diesel	
3	Access Roa	Hydroseec	Hydroseed	Diesel	
3	Access Roa	Hydroseec	Off-Road T	Diesel	
3	Access Roa	Markings	Flatbed Tr	Diesel	
3	Access Roa	Markings	Other Gen	Diesel	
3	Access Roa	Markings	Pickup Tru	Diesel	
3	Access Roa	Sidewalks	Concrete T	Diesel	
3	Access Roa	Sidewalks	Dump Truc	Diesel	
3	Access Roa	Sidewalks	Pickup Tru	Diesel	
3	Access Roa	Sidewalks	Tractors/Lo	Diesel	
3	Access Roa	Sidewalks	Vibratory (	Diesel	
3	Access Roa	Soil Erosio	Other Gen	Diesel	
3	Access Roa	Soil Erosio	Pickup Tru	Diesel	
3	Access Roa	Soil Erosio	Pumps	Diesel	
3	Access Roa	Soil Erosio	Tractors/Lo	Diesel	
3	Access Roa	Street Ligh	Dump Truc	Diesel	
3	Access Roa	Street Ligh	Loader	Diesel	
3	Access Roa	Street Ligh	Other Gen	Diesel	
3	Access Roa	Street Ligh	Pickup Tru	Diesel	
3	Access Roa	Street Ligh	Skid Steer	Diesel	
3	Access Roa	Street Ligh	Tractors/Lo	Diesel	
3	Access Roa	Subbase P	Dozer	Diesel	
3	Access Roa	Subbase P	Dump Truc	Diesel	
3	Access Roa	Subbase P	Pickup Tru	Diesel	
3	Access Roa	Subbase P	Roller	Diesel	
3	Access Roa	Topsoil Pla	Dozer	Diesel	
3	Access Roa	Topsoil Pla	Dump Truc	Diesel	
3	Access Roa	Topsoil Pla	Pickup Tru	Diesel	
3	Access Roa	Tree Plant	Flatbed Tr	Diesel	
3	Access Roa	Tree Plant	Other Gen	Diesel	
3	Access Roa	Tree Plant	Pickup Tru	Diesel	
3	Access Roa	Tree Plant	Tractors/Lo	Diesel	
4	Access Roa	Asphalt Pla	Asphalt Pa	Diesel	
4	Access Roa	Asphalt Pla	Dump Truc	Diesel	
4	Access Roa	Asphalt Pla	Other Gen	Diesel	
4	Access Roa	Asphalt Pla	Pickup Tru	Diesel	
4	Access Roa	Asphalt Pla	Roller	Diesel	
4	Access Roa	Asphalt Pla	Skid Steer	Diesel	
4	Access Roa	Asphalt Pla	Surfacing E	Diesel	
4	Access Roa	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Access Roa	Clearing an	Chipper/St	Diesel	
4	Access Roa	Clearing an	Pickup Tru	Diesel	
4	Access Roa	Concrete F	Air Compre	Diesel	
4	Access Roa	Concrete F	Concrete S	Diesel	
4	Access Roa	Concrete F	Concrete T	Diesel	
4	Access Roa	Concrete F	Other Gen	Diesel	
4	Access Roa	Concrete F	Pickup Tru	Diesel	

4	Access Ro	Concrete F	Rubber Tir	Diesel		
4	Access Ro	Concrete F	Slip Form I	Diesel		
4	Access Ro	Concrete F	Surfacing E	Diesel		
4	Access Ro	Curbing	Concrete T	Diesel		
4	Access Ro	Curbing	Curb/Gutt	Diesel		
4	Access Ro	Curbing	Other Gen	Diesel		
4	Access Ro	Curbing	Pickup Tru	Diesel		
4	Access Ro	Drainage -	Dozer	Diesel		
4	Access Ro	Drainage -	Dump Truc	Diesel		
4	Access Ro	Drainage -	Excavator	Diesel		
4	Access Ro	Drainage -	Loader	Diesel		
4	Access Ro	Drainage -	Other Gen	Diesel		
4	Access Ro	Drainage -	Pickup Tru	Diesel		
4	Access Ro	Drainage -	Roller	Diesel		
4	Access Ro	Drainage -	Dump Truc	Diesel		
4	Access Ro	Drainage -	Loader	Diesel		
4	Access Ro	Drainage -	Other Gen	Diesel		
4	Access Ro	Drainage -	Pickup Tru	Diesel		
4	Access Ro	Drainage -	Tractors/Lo	Diesel		
4	Access Ro	Dust Contr	Water Truc	Diesel		
4	Access Ro	Excavatior	Dozer	Diesel		
4	Access Ro	Excavatior	Dump Truc	Diesel		
4	Access Ro	Excavatior	Pickup Tru	Diesel		
4	Access Ro	Excavatior	Roller	Diesel		
4	Access Ro	Excavatior	Dozer	Diesel		
4	Access Ro	Excavatior	Dump Truc	Diesel		
4	Access Ro	Excavatior	Excavator	Diesel		
4	Access Ro	Excavatior	Pickup Tru	Diesel		
4	Access Ro	Excavatior	Roller	Diesel		
4	Access Ro	Excavatior	Scraper	Diesel		
4	Access Ro	Excavatior	Dozer	Diesel		
4	Access Ro	Fencing	Concrete T	Diesel		
4	Access Ro	Fencing	Dump Truc	Diesel		
4	Access Ro	Fencing	Other Gen	Diesel		
4	Access Ro	Fencing	Pickup Tru	Diesel		
4	Access Ro	Fencing	Skid Steer	Diesel		
4	Access Ro	Fencing	Tractors/Lo	Diesel		
4	Access Ro	Grading	Dozer	Diesel		
4	Access Ro	Grading	Grader	Diesel		
4	Access Ro	Grading	Roller	Diesel		
4	Access Ro	Hydroseec	Hydroseed	Diesel		
4	Access Ro	Hydroseec	Off-Road T	Diesel		
4	Access Ro	Markings	Flatbed Tr	Diesel		
4	Access Ro	Markings	Other Gen	Diesel		
4	Access Ro	Markings	Pickup Tru	Diesel		
4	Access Ro	Sidewalks	Concrete T	Diesel		
4	Access Ro	Sidewalks	Dump Truc	Diesel		
4	Access Ro	Sidewalks	Pickup Tru	Diesel		
4	Access Ro	Sidewalks	Tractors/Lo	Diesel		
4	Access Ro	Sidewalks	Vibratory (	Diesel		
4	Access Ro	Soil Erosio	Other Gen	Diesel		
4	Access Ro	Soil Erosio	Pickup Tru	Diesel		
4	Access Ro	Soil Erosio	Pumps	Diesel		
4	Access Ro	Soil Erosio	Tractors/Lo	Diesel		
4	Access Ro	Street Ligh	Dump Truc	Diesel		
4	Access Ro	Street Ligh	Loader	Diesel		
4	Access Ro	Street Ligh	Other Gen	Diesel		
4	Access Ro	Street Ligh	Pickup Tru	Diesel		
4	Access Ro	Street Ligh	Skid Steer	Diesel		
4	Access Ro	Street Ligh	Tractors/Lo	Diesel		
4	Access Ro	Subbase P	Dozer	Diesel		
4	Access Ro	Subbase P	Dump Truc	Diesel		
4	Access Ro	Subbase P	Pickup Tru	Diesel		
4	Access Ro	Subbase P	Roller	Diesel		
4	Access Ro	Topsoil Pla	Dozer	Diesel		
4	Access Ro	Topsoil Pla	Dump Truc	Diesel		
4	Access Ro	Topsoil Pla	Pickup Tru	Diesel		
4	Access Ro	Tree Plant	Flatbed Tr	Diesel		
4	Access Ro	Tree Plant	Other Gen	Diesel		
4	Access Ro	Tree Plant	Pickup Tru	Diesel		
4	Access Ro	Tree Plant	Tractors/Lo	Diesel		
4	Building -	Concrete F	Backhoe	Diesel		
4	Building -	Concrete F	Concrete F	Diesel		
4	Building -	Concrete F	Concrete F	Diesel		
4	Building -	Concrete F	Excavator	Diesel		
4	Building -	Concrete F	Fork Truck	Diesel		
4	Building -	Concrete F	Tool Truck	Diesel		
4	Building -	Concrete F	Tractor Tra	Diesel		
4	Building -	Constructi	Survey Cre	Diesel		
4	Building -	Constructi	Tractor Tra	Diesel		
4	Building -	Exterior W	Fork Truck	Diesel		
4	Building -	Exterior W	Generator	Diesel		
4	Building -	Exterior W	Grout Mix	Diesel		
4	Building -	Exterior W	Grout Wh	Diesel		
4	Building -	Exterior W	Man Lift	Diesel		
4	Building -	Exterior W	Tool Truck	Diesel		
4	Building -	Exterior W	Tractor Tra	Diesel		
4	Building -	Exterior W	Truck Tow	Diesel		
4	Building -	Interior Bu	Fork Truck	Diesel		
4	Building -	Interior Bu	Man Lift	Diesel		
4	Building -	Interior Bu	Tool Truck	Diesel		
4	Building -	Interior Bu	Tractor Tra	Diesel		
4	Building -	Roofing	High Lift	Diesel		
4	Building -	Roofing	Man Lift	Diesel		
4	Building -	Roofing	Material D	Diesel		
4	Building -	Roofing	Tractor Tra	Diesel		
4	Building -	Roofing	Truck Tow	Diesel		
4	Building -	Security &	High Lift	Diesel		
4	Building -	Security &	Tool Truck	Diesel		
4	Building -	Structural	90 Ton Cra	Diesel		
4	Building -	Structural	Concrete F	Diesel		
4	Building -	Structural	Concrete T	Diesel		
4	Building -	Structural	Fork Truck	Diesel		
4	Building -	Structural	Tool Truck	Diesel		
4	Building -	Structural	Tractor Tra	Diesel		
4	Building -	Structural	Trowel Ma	Diesel		
4	Building -	Structural	Truck Tow	Diesel		
4	Terminal A	Asphalt Pla	Asphalt Pa	Diesel		
4	Terminal A	Asphalt Pla	Dump Truc	Diesel		
4	Terminal A	Asphalt Pla	Other Gen	Diesel		
4	Terminal A	Asphalt Pla	Pickup Tru	Diesel		
4	Terminal A	Asphalt Pla	Roller	Diesel		
4	Terminal A	Asphalt Pla	Skid Steer	Diesel		
4	Terminal A	Asphalt Pla	Surfacing E	Diesel		
4	Terminal A	Clearing ar	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
4	Terminal A	Clearing ar	Chipper/St	Diesel		
4	Terminal A	Clearing ar	Pickup Tru	Diesel		
4	Terminal A	Concrete F	Air Compr	Diesel		
4	Terminal A	Concrete F	Concrete S	Diesel		
4	Terminal A	Concrete F	Concrete T	Diesel		
4	Terminal A	Concrete F	Other Gen	Diesel		
4	Terminal A	Concrete F	Pickup Tru	Diesel		
4	Terminal A	Concrete F	Rubber Tir	Diesel		
4	Terminal A	Concrete F	Slip Form I	Diesel		
4	Terminal A	Concrete F	Surfacing E	Diesel		
4	Terminal A	Drainage -	Dozer	Diesel		
4	Terminal A	Drainage -	Dump Truc	Diesel		
4	Terminal A	Drainage -	Excavator	Diesel		
4	Terminal A	Drainage -	Loader	Diesel		
4	Terminal A	Drainage -	Other Gen	Diesel		
4	Terminal A	Drainage -	Pickup Tru	Diesel		
4	Terminal A	Drainage -	Roller	Diesel		
4	Terminal A	Drainage -	Dump Truc	Diesel		
4	Terminal A	Drainage -	Loader	Diesel		
4	Terminal A	Drainage -	Other Gen	Diesel		
4	Terminal A	Drainage -	Pickup Tru	Diesel		
4	Terminal A	Drainage -	Tractors/Lo	Diesel		
4	Terminal A	Dust Contr	Water Truc	Diesel		
4	Terminal A	Excavatior	Dozer	Diesel		
4	Terminal A	Excavatior	Dump Truc	Diesel		
4	Terminal A	Excavatior	Pickup Tru	Diesel		
4	Terminal A	Excavatior	Roller	Diesel		

4	Terminal A	Excavatior	Dozer	Diesel	
4	Terminal A	Excavatior	Dump Truc	Diesel	
4	Terminal A	Excavatior	Excavator	Diesel	
4	Terminal A	Excavatior	Pickup Tru	Diesel	
4	Terminal A	Excavatior	Roller	Diesel	
4	Terminal A	Excavatior	Scraper	Diesel	
4	Terminal A	Excavatior	Dozer	Diesel	
4	Terminal A	Fencing	Concrete T	Diesel	
4	Terminal A	Fencing	Dump Truc	Diesel	
4	Terminal A	Fencing	Other Gen	Diesel	
4	Terminal A	Fencing	Pickup Tru	Diesel	
4	Terminal A	Fencing	Skid Steer	Diesel	
4	Terminal A	Fencing	Tractors/Lo	Diesel	
4	Terminal A	Grading	Dozer	Diesel	
4	Terminal A	Grading	Grader	Diesel	
4	Terminal A	Grading	Roller	Diesel	
4	Terminal A	Hydroseec	Hydroseed	Diesel	
4	Terminal A	Hydroseec	Off-Road T	Diesel	
4	Terminal A	Lighting	Dump Truc	Diesel	
4	Terminal A	Lighting	Loader	Diesel	
4	Terminal A	Lighting	Other Gen	Diesel	
4	Terminal A	Lighting	Pickup Tru	Diesel	
4	Terminal A	Lighting	Skid Steer	Diesel	
4	Terminal A	Lighting	Tractors/Lo	Diesel	
4	Terminal A	Markings	Flatbed Tr	Diesel	
4	Terminal A	Markings	Other Gen	Diesel	
4	Terminal A	Markings	Pickup Tru	Diesel	
4	Terminal A	Sealing/Fu	Distributin	Diesel	
4	Terminal A	Sealing/Fu	Other Gen	Diesel	
4	Terminal A	Sealing/Fu	Pickup Tru	Diesel	
4	Terminal A	Soil Erosio	Other Gen	Diesel	
4	Terminal A	Soil Erosio	Pickup Tru	Diesel	
4	Terminal A	Soil Erosio	Pumps	Diesel	
4	Terminal A	Soil Erosio	Tractors/Lo	Diesel	
4	Terminal A	Subbase P	Dozer	Diesel	
4	Terminal A	Subbase P	Dump Truc	Diesel	
4	Terminal A	Subbase P	Pickup Tru	Diesel	
4	Terminal A	Subbase P	Roller	Diesel	
4	Terminal A	Topsoil Pla	Dozer	Diesel	
4	Terminal A	Topsoil Pla	Dump Truc	Diesel	
4	Terminal A	Topsoil Pla	Pickup Tru	Diesel	
5	Building - :	Concrete F	Backhoe	Diesel	
5	Building - :	Concrete F	Concrete F	Diesel	
5	Building - :	Concrete F	Concrete F	Diesel	
5	Building - :	Concrete F	Excavator	Diesel	
5	Building - :	Concrete F	Fork Truck	Diesel	
5	Building - :	Concrete F	Tool Truck	Diesel	
5	Building - :	Concrete F	Tractor Tra	Diesel	
5	Building - :	Constructi	Survey Cre	Diesel	
5	Building - :	Constructi	Tractor Tra	Diesel	
5	Building - :	Exterior W	Fork Truck	Diesel	
5	Building - :	Exterior W	Generator	Diesel	
5	Building - :	Exterior W	Grout Mixe	Diesel	
5	Building - :	Exterior W	Grout Whe	Diesel	
5	Building - :	Exterior W	Man Lift	Diesel	
5	Building - :	Exterior W	Tool Truck	Diesel	
5	Building - :	Exterior W	Tractor Tra	Diesel	
5	Building - :	Exterior W	Truck Tow	Diesel	
5	Building - :	Interior Bu	Fork Truck	Diesel	
5	Building - :	Interior Bu	Man Lift	Diesel	
5	Building - :	Interior Bu	Tool Truck	Diesel	
5	Building - :	Interior Bu	Tractor Tra	Diesel	
5	Building - :	Roofing	High Lift	Diesel	
5	Building - :	Roofing	Man Lift	Diesel	
5	Building - :	Roofing	Material D	Diesel	
5	Building - :	Roofing	Tractor Tra	Diesel	
5	Building - :	Roofing	Truck Tow	Diesel	
5	Building - :	Security &	High Lift	Diesel	
5	Building - :	Security &	Tool Truck	Diesel	
5	Building - :	Structural	90 Ton Cra	Diesel	
5	Building - :	Structural	Concrete F	Diesel	
5	Building - :	Structural	Concrete T	Diesel	
5	Building - :	Structural	Fork Truck	Diesel	
5	Building - :	Structural	Tool Truck	Diesel	
5	Building - :	Structural	Tractor Tra	Diesel	
5	Building - :	Structural	Trowel Ma	Diesel	
5	Building - :	Structural	Truck Tow	Diesel	
5	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	
5	Terminal A	Asphalt Pla	Dump Truc	Diesel	
5	Terminal A	Asphalt Pla	Other Gen	Diesel	
5	Terminal A	Asphalt Pla	Pickup Tru	Diesel	
5	Terminal A	Asphalt Pla	Roller	Diesel	
5	Terminal A	Asphalt Pla	Skid Steer	Diesel	
5	Terminal A	Asphalt Pla	Surfacing E	Diesel	
5	Terminal A	Clearing ar	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
5	Terminal A	Clearing ar	Chipper/St	Diesel	
5	Terminal A	Clearing ar	Pickup Tru	Diesel	
5	Terminal A	Concrete F	Air Compre	Diesel	
5	Terminal A	Concrete F	Concrete S	Diesel	
5	Terminal A	Concrete F	Concrete T	Diesel	
5	Terminal A	Concrete F	Other Gen	Diesel	
5	Terminal A	Concrete F	Pickup Tru	Diesel	
5	Terminal A	Concrete F	Rubber Tir	Diesel	
5	Terminal A	Concrete F	Slip Form F	Diesel	
5	Terminal A	Concrete F	Surfacing E	Diesel	
5	Terminal A	Drainage -	Dozer	Diesel	
5	Terminal A	Drainage -	Dump Truc	Diesel	
5	Terminal A	Drainage -	Excavator	Diesel	
5	Terminal A	Drainage -	Loader	Diesel	
5	Terminal A	Drainage -	Other Gen	Diesel	
5	Terminal A	Drainage -	Pickup Tru	Diesel	
5	Terminal A	Drainage -	Roller	Diesel	
5	Terminal A	Drainage -	Dump Truc	Diesel	
5	Terminal A	Drainage -	Loader	Diesel	
5	Terminal A	Drainage -	Other Gen	Diesel	
5	Terminal A	Drainage -	Pickup Tru	Diesel	
5	Terminal A	Drainage -	Tractors/Lo	Diesel	
5	Terminal A	Dust Contr	Water Truc	Diesel	
5	Terminal A	Excavatior	Dozer	Diesel	
5	Terminal A	Excavatior	Dump Truc	Diesel	
5	Terminal A	Excavatior	Pickup Tru	Diesel	
5	Terminal A	Excavatior	Roller	Diesel	
5	Terminal A	Excavatior	Dozer	Diesel	
5	Terminal A	Excavatior	Dump Truc	Diesel	
5	Terminal A	Excavatior	Excavator	Diesel	
5	Terminal A	Excavatior	Pickup Tru	Diesel	
5	Terminal A	Excavatior	Roller	Diesel	
5	Terminal A	Excavatior	Scraper	Diesel	
5	Terminal A	Excavatior	Dozer	Diesel	
5	Terminal A	Fencing	Concrete T	Diesel	
5	Terminal A	Fencing	Dump Truc	Diesel	
5	Terminal A	Fencing	Other Gen	Diesel	
5	Terminal A	Fencing	Pickup Tru	Diesel	
5	Terminal A	Fencing	Skid Steer	Diesel	
5	Terminal A	Fencing	Tractors/Lo	Diesel	
5	Terminal A	Grading	Dozer	Diesel	
5	Terminal A	Grading	Grader	Diesel	
5	Terminal A	Grading	Roller	Diesel	
5	Terminal A	Hydroseec	Hydroseed	Diesel	
5	Terminal A	Hydroseec	Off-Road T	Diesel	
5	Terminal A	Lighting	Dump Truc	Diesel	
5	Terminal A	Lighting	Loader	Diesel	
5	Terminal A	Lighting	Other Gen	Diesel	
5	Terminal A	Lighting	Pickup Tru	Diesel	
5	Terminal A	Lighting	Skid Steer	Diesel	
5	Terminal A	Lighting	Tractors/Lo	Diesel	
5	Terminal A	Markings	Flatbed Tr	Diesel	
5	Terminal A	Markings	Other Gen	Diesel	
5	Terminal A	Markings	Pickup Tru	Diesel	
5	Terminal A	Sealing/Fu	Distributin	Diesel	
5	Terminal A	Sealing/Fu	Other Gen	Diesel	
5	Terminal A	Sealing/Fu	Pickup Tru	Diesel	

5	Terminal A	Soil Erosio	Other Gen	Diesel
5	Terminal A	Soil Erosio	Pickup Tru	Diesel
5	Terminal A	Soil Erosio	Pumps	Diesel
5	Terminal A	Soil Erosio	Tractors/Lo	Diesel
5	Terminal A	Subbase P	Dozer	Diesel
5	Terminal A	Subbase P	Dump Truc	Diesel
5	Terminal A	Subbase P	Pickup Tru	Diesel
5	Terminal A	Subbase P	Roller	Diesel
5	Terminal A	Topsoil Pla	Dozer	Diesel
5	Terminal A	Topsoil Pla	Dump Truc	Diesel
5	Terminal A	Topsoil Pla	Pickup Tru	Diesel

Overall Size

Scenario ID	Project	Project Siz	User Input	Unit
1	Parking Lo	What is th	2.65	$ Million(s)
1	Parking Lo	What is th	1200	Feet
1	Parking Lo	What is th	196	Feet
2	Parking Lo	What is th	2.65	$ Million(s)
2	Parking Lo	What is th	1200	Feet
2	Parking Lo	What is th	196	Feet
3	Access Ro	What is th	0.75	$ Million(s)
3	Access Ro	What is th	3000	Feet
3	Access Ro	What is th	24	Feet
4	Access Ro	What is th	0.75	$ Million(s)
4	Access Ro	What is th	3000	Feet
4	Access Ro	What is th	24	Feet
4	Building - :	What is th	27.24	$ Million(s)
4	Terminal A	What is th	3.06	$ Million(s)
4	Terminal A	What is th	400	Feet
4	Terminal A	What is th	135	Feet
5	Building - :	What is th	18.16	$ Million(s)
5	Terminal A	What is th	2.04	$ Million(s)
5	Terminal A	What is th	400	Feet
5	Terminal A	What is th	90	Feet

Size Detail (Estimated based on engineering experience)

ScenarioID	Project	Constructi	Default Ac	Unit	User Activity Size
1	Parking Lo	Asphalt Pla	26107.2	Square Yards	
1	Parking Lo	Clearing ar	5.7	Acres	
1	Parking Lo	Curbing	1200	Linear Feet	
1	Parking Lo	Drainage -	1210	Linear Feet	
1	Parking Lo	Drainage -	7260	Linear Feet	
1	Parking Lo	Excavatior	10878	Cubic Yards	
1	Parking Lo	Excavatior	10878	Cubic Yards	
1	Parking Lo	Excavatior	26107.2	Square Yards	
1	Parking Lo	Fencing	1200	Linear Feet	
1	Parking Lo	Grading	27667.9	Square Yards	
1	Parking Lo	Hydroseed	249260	Square Feet	
1	Parking Lo	Markings	2792	Square Feet	
1	Parking Lo	Sidewalks	3600	Square Feet	
1	Parking Lo	Soil Erosio	5.7	Acres	
1	Parking Lo	Street Ligh	5.9	Lights	
1	Parking Lo	Subbase P	26107.2	Square Yards	
1	Parking Lo	Subbase P	8702.4	Cubic Yards	
1	Parking Lo	Topsoil Pla	4611.3	Cubic Yards	
1	Parking Lo	Tree Plant	0	Trees	
2	Parking Lo	Asphalt Pla	26107.2	Square Yards	
2	Parking Lo	Clearing ar	5.7	Acres	
2	Parking Lo	Concrete F	10878	Cubic Yards	
2	Parking Lo	Curbing	1200	Linear Feet	
2	Parking Lo	Drainage -	1210	Linear Feet	
2	Parking Lo	Drainage -	7260	Linear Feet	
2	Parking Lo	Excavatior	10878	Cubic Yards	
2	Parking Lo	Excavatior	10878	Cubic Yards	
2	Parking Lo	Excavatior	26107.2	Square Yards	
2	Parking Lo	Fencing	1200	Linear Feet	
2	Parking Lo	Grading	27667.9	Square Yards	
2	Parking Lo	Hydroseed	249260	Square Feet	
2	Parking Lo	Markings	2792	Square Feet	
2	Parking Lo	Sidewalks	3600	Square Feet	
2	Parking Lo	Soil Erosio	5.7	Acres	
2	Parking Lo	Street Ligh	5.9	Lights	
2	Parking Lo	Subbase P	26107.2	Square Yards	
2	Parking Lo	Subbase P	8702.4	Cubic Yards	
2	Parking Lo	Topsoil Pla	4611.3	Cubic Yards	
2	Parking Lo	Tree Plant	0	Trees	
3	Access Ro	Asphalt Pla	7992	Square Yards	
3	Access Ro	Clearing ar	2.4	Acres	
3	Access Ro	Concrete F	3330	Cubic Yards	
3	Access Ro	Curbing	6000	Linear Feet	
3	Access Ro	Drainage -	3010	Linear Feet	
3	Access Ro	Drainage -	6020	Linear Feet	
3	Access Ro	Dust Contr	180	Days	
3	Access Ro	Excavatior	3330	Cubic Yards	
3	Access Ro	Excavatior	3330	Cubic Yards	
3	Access Ro	Excavatior	7992	Square Yards	
3	Access Ro	Fencing	3000	Linear Feet	
3	Access Ro	Grading	11359.7	Square Yards	
3	Access Ro	Hydroseed	102340	Square Feet	
3	Access Ro	Markings	72000	Square Feet	
3	Access Ro	Sidewalks	18000	Square Feet	
3	Access Ro	Soil Erosio	2.4	Acres	
3	Access Ro	Street Ligh	30	Lights	
3	Access Ro	Subbase P	7992	Square Yards	
3	Access Ro	Subbase P	2664	Cubic Yards	
3	Access Ro	Topsoil Pla	1893.3	Cubic Yards	
3	Access Ro	Tree Plant	0	Trees	
4	Access Ro	Asphalt Pla	7992	Square Yards	
4	Access Ro	Clearing ar	2.4	Acres	
4	Access Ro	Concrete F	3330	Cubic Yards	
4	Access Ro	Curbing	6000	Linear Feet	
4	Access Ro	Drainage -	3010	Linear Feet	
4	Access Ro	Drainage -	6020	Linear Feet	
4	Access Ro	Dust Contr	180	Days	
4	Access Ro	Excavatior	3330	Cubic Yards	
4	Access Ro	Excavatior	3330	Cubic Yards	
4	Access Ro	Excavatior	7992	Square Yards	
4	Access Ro	Fencing	3000	Linear Feet	
4	Access Ro	Grading	11359.7	Square Yards	
4	Access Ro	Hydroseed	102340	Square Feet	
4	Access Ro	Markings	72000	Square Feet	
4	Access Ro	Sidewalks	18000	Square Feet	
4	Access Ro	Soil Erosio	2.4	Acres	
4	Access Ro	Street Ligh	30	Lights	
4	Access Ro	Subbase P	7992	Square Yards	
4	Access Ro	Subbase P	2664	Cubic Yards	
4	Access Ro	Topsoil Pla	1893.3	Cubic Yards	
4	Access Ro	Tree Plant	0	Trees	
4	Terminal A	Asphalt Pla	5994	Square Yards	
4	Terminal A	Clearing ar	1.4	Acres	
4	Terminal A	Concrete F	2497.5	Cubic Yards	
4	Terminal A	Drainage -	410	Linear Feet	
4	Terminal A	Drainage -	820	Linear Feet	
4	Terminal A	Dust Contr	180	Days	
4	Terminal A	Excavatior	2497.5	Cubic Yards	
4	Terminal A	Excavatior	2497.5	Cubic Yards	
4	Terminal A	Excavatior	5994	Square Yards	
4	Terminal A	Fencing	400	Linear Feet	
4	Terminal A	Grading	6599	Square Yards	
4	Terminal A	Hydroseed	59450	Square Feet	
4	Terminal A	Lighting	1070	Linear Feet	
4	Terminal A	Markings	54000	Square Feet	
4	Terminal A	Sealing/Fu	5994	Square Yards	
4	Terminal A	Soil Erosio	1.4	Acres	
4	Terminal A	Subbase P	5994	Square Yards	
4	Terminal A	Subbase P	1998	Cubic Yards	
4	Terminal A	Topsoil Pla	1099.8	Cubic Yards	
5	Terminal A	Asphalt Pla	3996	Square Yards	

5	Terminal A	Clearing a	0.9	Acres
5	Terminal A	Concrete F	1665	Cubic Yards
5	Terminal A	Drainage -	410	Linear Feet
5	Terminal A	Drainage -	820	Linear Feet
5	Terminal A	Dust Cont	120	Days
5	Terminal A	Excavatior	1665	Cubic Yards
5	Terminal A	Excavatior	1665	Cubic Yards
5	Terminal A	Excavatior	3996	Square Yards
5	Terminal A	Fencing	400	Linear Feet
5	Terminal A	Grading	4551	Square Yards
5	Terminal A	Hydroseec	41000	Square Feet
5	Terminal A	Lighting	980	Linear Feet
5	Terminal A	Markings	36000	Square Feet
5	Terminal A	Sealing/Fu	3996	Square Yards
5	Terminal A	Soil Erosio	0.9	Acres
5	Terminal A	Subbase P	3996	Square Yards
5	Terminal A	Subbase P	1332	Cubic Yards
5	Terminal A	Topsoil Pla	758.5	Cubic Yards

Activity: Non-Road (Estimated based on engineering experience)

Scenario ID	Project	Constructi	Equipment	Fuel Type	Activity Siz	Activity Ra	Default Ac	Activity Ur	User Activity Data
1	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	26107.20 S	8 Hours pe	32.63	hours	
1	Parking Lo	Asphalt Pl	Dump Truc	Diesel	26107.20 S	8 Hours pe	117.53	hours	
1	Parking Lo	Asphalt Pl	Other Gen	Diesel	26107.20 S	16 Hours p	65.27	hours	
1	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	26107.20 S	8 Hours pe	32.63	hours	
1	Parking Lo	Asphalt Pl	Roller	Diesel	26107.20 S	8 Hours pe	32.63	hours	
1	Parking Lo	Asphalt Pl	Skid Steer	Diesel	26107.20 S	8 Hours pe	32.63	hours	
1	Parking Lo	Asphalt Pl	Surfacing E	Diesel	26107.20 S	8 Hours pe	41.77	hours	
1	Parking Lo	Clearing a	Chain Saw	Diesel	5.70 Acre	12 Hours p	68.4	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Parking Lo	Clearing a	Chipper/St	Diesel	5.70 Acre	12 Hours p	68.4	hours	
1	Parking Lo	Clearing a	Pickup Tru	Diesel	5.70 Acre	16 Hours p	91.2	hours	
1	Parking Lo	Curbing	Concrete T	Diesel	1200.00 LF	8 Hours pe	24	hours	
1	Parking Lo	Curbing	Curb/Gutt	Diesel	1200.00 LF	8 Hours pe	24	hours	
1	Parking Lo	Curbing	Other Gen	Diesel	1200.00 LF	8 Hours pe	24	hours	
1	Parking Lo	Curbing	Pickup Tru	Diesel	1200.00 LF	8 Hours pe	24	hours	
1	Parking Lo	Drainage -	Dozer	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Dump Truc	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Excavator	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Loader	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Other Gen	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Pickup Tru	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Roller	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Dump Truc	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
1	Parking Lo	Drainage -	Loader	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
1	Parking Lo	Drainage -	Other Gen	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
1	Parking Lo	Drainage -	Pickup Tru	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
1	Parking Lo	Drainage -	Tractors/Lo	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
1	Parking Lo	Excavatior	Dozer	Diesel	10878.00 (	8 Hours pe	145.04	hours	
1	Parking Lo	Excavatior	Dump Truc	Diesel	10878.00 (	8 Hours pe	145.04	hours	
1	Parking Lo	Excavatior	Pickup Tru	Diesel	10878.00 (	8 Hours pe	145.04	hours	
1	Parking Lo	Excavatior	Roller	Diesel	10878.00 (	8 Hours pe	66.94	hours	
1	Parking Lo	Excavatior	Dozer	Diesel	10878.00 (	8 Hours pe	108.78	hours	
1	Parking Lo	Excavatior	Dump Truc	Diesel	10878.00 (	8 Hours pe	290.08	hours	
1	Parking Lo	Excavatior	Excavator	Diesel	10878.00 (	8 Hours pe	87.02	hours	
1	Parking Lo	Excavatior	Pickup Tru	Diesel	10878.00 (	8 Hours pe	87.02	hours	
1	Parking Lo	Excavatior	Roller	Diesel	10878.00 (	8 Hours pe	87.02	hours	
1	Parking Lo	Excavatior	Scraper	Diesel	10878.00 (	8 Hours pe	108.78	hours	
1	Parking Lo	Excavatior	Dozer	Diesel	26107.20 S	8 Hours pe	40.95	hours	
1	Parking Lo	Fencing	Concrete T	Diesel	1200.00 LF	2 Hours pe	13.33	hours	
1	Parking Lo	Fencing	Dump Truc	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
1	Parking Lo	Fencing	Other Gen	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
1	Parking Lo	Fencing	Pickup Tru	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
1	Parking Lo	Fencing	Skid Steer	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
1	Parking Lo	Fencing	Tractors/Lo	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
1	Parking Lo	Grading	Dozer	Diesel	27667.90 S	8 Hours pe	27.67	hours	
1	Parking Lo	Grading	Grader	Diesel	27667.90 S	8 Hours pe	27.67	hours	
1	Parking Lo	Grading	Roller	Diesel	27667.90 S	8 Hours pe	27.67	hours	
1	Parking Lo	Hydroseec	Hydroseed	Diesel	249260.00	8 Hours pe	24.93	hours	
1	Parking Lo	Hydroseec	Off-Road T	Diesel	249260.00	8 Hours pe	24.93	hours	
1	Parking Lo	Markings	Flatbed Tr	Diesel	2792.00 SF	8 Hours pe	6.38	hours	
1	Parking Lo	Markings	Other Gen	Diesel	2792.00 SF	8 Hours pe	6.38	hours	
1	Parking Lo	Markings	Pickup Tru	Diesel	2792.00 SF	8 Hours pe	6.38	hours	
1	Parking Lo	Sidewalks	Concrete T	Diesel	3600.00 SF	8 Hours pe	48	hours	
1	Parking Lo	Sidewalks	Dump Truc	Diesel	3600.00 SF	8 Hours pe	48	hours	
1	Parking Lo	Sidewalks	Pickup Tru	Diesel	3600.00 SF	8 Hours pe	48	hours	
1	Parking Lo	Sidewalks	Tractors/Lo	Diesel	3600.00 SF	8 Hours pe	48	hours	
1	Parking Lo	Sidewalks	Vibratory (	Diesel	3600.00 SF	8 Hours pe	48	hours	
1	Parking Lo	Soil Erosio	Other Gen	Diesel	5.70 Acre	4 Hours pe	22.8	hours	
1	Parking Lo	Soil Erosio	Pickup Tru	Diesel	5.70 Acre	8 Hours pe	45.6	hours	
1	Parking Lo	Soil Erosio	Pumps	Diesel	5.70 Acre	4 Hours pe	22.8	hours	
1	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	5.70 Acre	4 Hours pe	22.8	hours	
1	Parking Lo	Street Ligh	Dump Truc	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Street Ligh	Loader	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Street Ligh	Other Gen	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Street Ligh	Pickup Tru	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Street Ligh	Skid Steer	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Street Ligh	Tractors/Lo	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Subbase P	Dozer	Diesel	26107.20 S	8 Hours pe	54.96	hours	
1	Parking Lo	Subbase P	Dump Truc	Diesel	8702.40 C	8 Hours pe	386.77	hours	
1	Parking Lo	Subbase P	Pickup Tru	Diesel	26107.20 S	8 Hours pe	54.96	hours	
1	Parking Lo	Subbase P	Roller	Diesel	8702.40 C	8 Hours pe	53.55	hours	
1	Parking Lo	Topsoil Pla	Dozer	Diesel	4611.30 C	8 Hours pe	61.48	hours	
1	Parking Lo	Topsoil Pla	Dump Truc	Diesel	4611.30 C	8 Hours pe	61.48	hours	
1	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	4611.30 C	8 Hours pe	61.48	hours	
1	Parking Lo	Tree Plant	Flatbed Tr	Diesel	0.00 Trees	8 Hours pe	0	hours	
1	Parking Lo	Tree Plant	Other Gen	Diesel	0.00 Trees	8 Hours pe	0	hours	
1	Parking Lo	Tree Plant	Pickup Tru	Diesel	0.00 Trees	8 Hours pe	0	hours	
1	Parking Lo	Tree Plant	Tractors/Lo	Diesel	0.00 Trees	8 Hours pe	0	hours	
2	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	26107.20 S	8 Hours pe	32.63	hours	
2	Parking Lo	Asphalt Pl	Dump Truc	Diesel	26107.20 S	8 Hours pe	117.53	hours	
2	Parking Lo	Asphalt Pl	Other Gen	Diesel	26107.20 S	16 Hours p	65.27	hours	
2	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	26107.20 S	8 Hours pe	32.63	hours	
2	Parking Lo	Asphalt Pl	Roller	Diesel	26107.20 S	8 Hours pe	32.63	hours	
2	Parking Lo	Asphalt Pl	Skid Steer	Diesel	26107.20 S	8 Hours pe	32.63	hours	
2	Parking Lo	Asphalt Pl	Surfacing E	Diesel	26107.20 S	8 Hours pe	41.77	hours	
2	Parking Lo	Clearing a	Chain Saw	Diesel	5.70 Acre	12 Hours p	68.4	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	Parking Lo	Clearing a	Chipper/St	Diesel	5.70 Acre	12 Hours p	68.4	hours	
2	Parking Lo	Clearing a	Pickup Tru	Diesel	5.70 Acre	16 Hours p	91.2	hours	
2	Parking Lo	Concrete F	Air Compr	Diesel	10878.00 (	8 Hours pe	87.02	hours	
2	Parking Lo	Concrete F	Concrete S	Diesel	10878.00 (	8 Hours pe	87.02	hours	
2	Parking Lo	Concrete F	Concrete T	Diesel	10878.00 (	8 Hours pe	362.6	hours	
2	Parking Lo	Concrete F	Other Gen	Diesel	10878.00 (	16 Hours p	174.05	hours	
2	Parking Lo	Concrete F	Pickup Tru	Diesel	10878.00 (	24 Hours p	261.07	hours	
2	Parking Lo	Concrete F	Rubber Tir	Diesel	10878.00 (	8 Hours pe	87.02	hours	
2	Parking Lo	Concrete F	Slip Form I	Diesel	10878.00 (	8 Hours pe	87.02	hours	
2	Parking Lo	Concrete F	Surfacing E	Diesel	10878.00 (	8 Hours pe	87.02	hours	
2	Parking Lo	Curbing	Concrete T	Diesel	1200.00 LF	8 Hours pe	24	hours	
2	Parking Lo	Curbing	Curb/Gutt	Diesel	1200.00 LF	8 Hours pe	24	hours	
2	Parking Lo	Curbing	Other Gen	Diesel	1200.00 LF	8 Hours pe	24	hours	
2	Parking Lo	Curbing	Pickup Tru	Diesel	1200.00 LF	8 Hours pe	24	hours	
2	Parking Lo	Drainage -	Dozer	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
2	Parking Lo	Drainage -	Dump Truc	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
2	Parking Lo	Drainage -	Excavator	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
2	Parking Lo	Drainage -	Loader	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
2	Parking Lo	Drainage -	Other Gen	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
2	Parking Lo	Drainage -	Pickup Tru	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
2	Parking Lo	Drainage -	Roller	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
2	Parking Lo	Drainage -	Dump Truc	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
2	Parking Lo	Drainage -	Loader	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
2	Parking Lo	Drainage -	Other Gen	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
2	Parking Lo	Drainage -	Pickup Tru	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
2	Parking Lo	Drainage -	Tractors/Lo	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
2	Parking Lo	Excavatior	Dozer	Diesel	10878.00 (	8 Hours pe	145.04	hours	
2	Parking Lo	Excavatior	Dump Truc	Diesel	10878.00 (	8 Hours pe	145.04	hours	
2	Parking Lo	Excavatior	Pickup Tru	Diesel	10878.00 (	8 Hours pe	145.04	hours	
2	Parking Lo	Excavatior	Roller	Diesel	10878.00 (	8 Hours pe	66.94	hours	
2	Parking Lo	Excavatior	Dozer	Diesel	10878.00 (	8 Hours pe	108.78	hours	
2	Parking Lo	Excavatior	Dump Truc	Diesel	10878.00 (	8 Hours pe	290.08	hours	
2	Parking Lo	Excavatior	Excavator	Diesel	10878.00 (	8 Hours pe	87.02	hours	
2	Parking Lo	Excavatior	Pickup Tru	Diesel	10878.00 (	8 Hours pe	87.02	hours	

2	Parking Lo	Excavatior	Roller	Diesel	10878.00 (	8 Hours pe	87.02	hours	
2	Parking Lo	Excavatior	Scraper	Diesel	10878.00 (	8 Hours pe	108.78	hours	
2	Parking Lo	Excavatior	Dozer	Diesel	26107.20 S	8 Hours pe	40.95	hours	
2	Parking Lo	Fencing	Concrete T	Diesel	1200.00 LF	2 Hours pe	13.33	hours	
2	Parking Lo	Fencing	Dump Truc	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
2	Parking Lo	Fencing	Other Gen	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
2	Parking Lo	Fencing	Pickup Tru	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
2	Parking Lo	Fencing	Skid Steer	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
2	Parking Lo	Fencing	Tractors/Lo	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
2	Parking Lo	Grading	Dozer	Diesel	27667.90 S	8 Hours pe	27.67	hours	
2	Parking Lo	Grading	Grader	Diesel	27667.90 S	8 Hours pe	27.67	hours	
2	Parking Lo	Grading	Roller	Diesel	27667.90 S	8 Hours pe	27.67	hours	
2	Parking Lo	Hydroseec	Hydroseed	Diesel	249260.00 8	Hours pe	24.93	hours	
2	Parking Lo	Hydroseec	Off-Road T	Diesel	249260.00 8	Hours pe	24.93	hours	
2	Parking Lo	Markings	Flatbed Tr	Diesel	2792.00 SF	8 Hours pe	6.38	hours	
2	Parking Lo	Markings	Other Gen	Diesel	2792.00 SF	8 Hours pe	6.38	hours	
2	Parking Lo	Markings	Pickup Tru	Diesel	2792.00 SF	8 Hours pe	6.38	hours	
2	Parking Lo	Sidewalks	Concrete T	Diesel	3600.00 SF	8 Hours pe	48	hours	
2	Parking Lo	Sidewalks	Dump Truc	Diesel	3600.00 SF	8 Hours pe	48	hours	
2	Parking Lo	Sidewalks	Pickup Tru	Diesel	3600.00 SF	8 Hours pe	48	hours	
2	Parking Lo	Sidewalks	Tractors/Lo	Diesel	3600.00 SF	8 Hours pe	48	hours	
2	Parking Lo	Sidewalks	Vibratory (	Diesel	3600.00 SF	8 Hours pe	48	hours	
2	Parking Lo	Soil Erosio	Other Gen	Diesel	5.70 Acre	4 Hours pe	22.8	hours	
2	Parking Lo	Soil Erosio	Pickup Tru	Diesel	5.70 Acre	8 Hours pe	45.6	hours	
2	Parking Lo	Soil Erosio	Pumps	Diesel	5.70 Acre	4 Hours pe	22.8	hours	
2	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	5.70 Acre	4 Hours pe	22.8	hours	
2	Parking Lo	Street Ligh	Dump Truc	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
2	Parking Lo	Street Ligh	Loader	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
2	Parking Lo	Street Ligh	Other Gen	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
2	Parking Lo	Street Ligh	Pickup Tru	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
2	Parking Lo	Street Ligh	Skid Steer	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
2	Parking Lo	Street Ligh	Tractors/Lo	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
2	Parking Lo	Subbase P	Dozer	Diesel	26107.20 S	8 Hours pe	54.96	hours	
2	Parking Lo	Subbase P	Dump Truc	Diesel	8702.40 C	8 Hours pe	386.77	hours	
2	Parking Lo	Subbase P	Pickup Tru	Diesel	26107.20 S	8 Hours pe	54.96	hours	
2	Parking Lo	Subbase P	Roller	Diesel	8702.40 C	8 Hours pe	53.55	hours	
2	Parking Lo	Topsoil Pla	Dozer	Diesel	4611.30 C	8 Hours pe	61.48	hours	
2	Parking Lo	Topsoil Pla	Dump Truc	Diesel	4611.30 C	8 Hours pe	61.48	hours	
2	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	4611.30 C	8 Hours pe	61.48	hours	
2	Parking Lo	Tree Plant	Flatbed Tr	Diesel	0.00 Trees	8 Hours pe	0	hours	
2	Parking Lo	Tree Plant	Other Gen	Diesel	0.00 Trees	8 Hours pe	0	hours	
2	Parking Lo	Tree Plant	Pickup Tru	Diesel	0.00 Trees	8 Hours pe	0	hours	
2	Parking Lo	Tree Plant	Tractors/Lo	Diesel	0.00 Trees	8 Hours pe	0	hours	
3	Access Ro	Asphalt Pla	Asphalt Pa	Diesel	7992.00 S	8 Hours pe	9.99	hours	
3	Access Ro	Asphalt Pla	Dump Truc	Diesel	7992.00 S	8 Hours pe	35.98	hours	
3	Access Ro	Asphalt Pla	Other Gen	Diesel	7992.00 S	16 Hours p	19.98	hours	
3	Access Ro	Asphalt Pla	Pickup Tru	Diesel	7992.00 S	8 Hours pe	9.99	hours	
3	Access Ro	Asphalt Pla	Roller	Diesel	7992.00 S	8 Hours pe	9.99	hours	
3	Access Ro	Asphalt Pla	Skid Steer	Diesel	7992.00 S	8 Hours pe	9.99	hours	
3	Access Ro	Asphalt Pla	Surfacing E	Diesel	7992.00 S	8 Hours pe	12.79	hours	
3	Access Ro	Clearing ar	Chain Saw	Diesel	2.40 Acre	12 Hours p	28.8	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Access Ro	Clearing ar	Chipper/St	Diesel	2.40 Acre	12 Hours p	28.8	hours	
3	Access Ro	Clearing ar	Pickup Tru	Diesel	2.40 Acre	16 Hours p	38.4	hours	
3	Access Ro	Concrete F	Air Compre	Diesel	3330.00 C	8 Hours pe	26.64	hours	
3	Access Ro	Concrete F	Concrete S	Diesel	3330.00 C	8 Hours pe	26.64	hours	
3	Access Ro	Concrete F	Concrete T	Diesel	3330.00 C	8 Hours pe	111	hours	
3	Access Ro	Concrete F	Other Gen	Diesel	3330.00 C	16 Hours p	53.28	hours	
3	Access Ro	Concrete F	Pickup Tru	Diesel	3330.00 C	24 Hours p	79.92	hours	
3	Access Ro	Concrete F	Rubber Tir	Diesel	3330.00 C	8 Hours pe	26.64	hours	
3	Access Ro	Concrete F	Slip Form	Diesel	3330.00 C	8 Hours pe	26.64	hours	
3	Access Ro	Concrete F	Surfacing E	Diesel	3330.00 C	8 Hours pe	26.64	hours	
3	Access Ro	Curbing	Concrete T	Diesel	6000.00 LF	8 Hours pe	120	hours	
3	Access Ro	Curbing	Curb/Gutte	Diesel	6000.00 LF	8 Hours pe	120	hours	
3	Access Ro	Curbing	Other Gen	Diesel	6000.00 LF	8 Hours pe	120	hours	
3	Access Ro	Curbing	Pickup Tru	Diesel	6000.00 LF	8 Hours pe	120	hours	
3	Access Ro	Drainage -	Dozer	Diesel	3010.00 LF	8 Hours pe	96.32	hours	
3	Access Ro	Drainage -	Dump Truc	Diesel	3010.00 LF	8 Hours pe	96.32	hours	
3	Access Ro	Drainage -	Excavator	Diesel	3010.00 LF	8 Hours pe	96.32	hours	
3	Access Ro	Drainage -	Loader	Diesel	3010.00 LF	8 Hours pe	96.32	hours	
3	Access Ro	Drainage -	Other Gen	Diesel	3010.00 LF	8 Hours pe	96.32	hours	
3	Access Ro	Drainage -	Pickup Tru	Diesel	3010.00 LF	8 Hours pe	96.32	hours	
3	Access Ro	Drainage -	Roller	Diesel	3010.00 LF	8 Hours pe	96.32	hours	
3	Access Ro	Drainage -	Dump Truc	Diesel	6020.00 LF	8 Hours pe	53.51	hours	
3	Access Ro	Drainage -	Loader	Diesel	6020.00 LF	8 Hours pe	53.51	hours	
3	Access Ro	Drainage -	Other Gen	Diesel	6020.00 LF	8 Hours pe	53.51	hours	
3	Access Ro	Drainage -	Pickup Tru	Diesel	6020.00 LF	8 Hours pe	53.51	hours	
3	Access Ro	Drainage -	Tractors/Lo	Diesel	6020.00 LF	8 Hours pe	53.51	hours	
3	Access Ro	Dust Contr	Water Truc	Diesel	180.00 Day	8 Hours pe	1440	hours	
3	Access Ro	Excavatior	Dozer	Diesel	3330.00 C	8 Hours pe	44.4	hours	
3	Access Ro	Excavatior	Dump Truc	Diesel	3330.00 C	8 Hours pe	44.4	hours	
3	Access Ro	Excavatior	Pickup Tru	Diesel	3330.00 C	8 Hours pe	44.4	hours	
3	Access Ro	Excavatior	Roller	Diesel	3330.00 C	8 Hours pe	20.49	hours	
3	Access Ro	Excavatior	Dozer	Diesel	3330.00 C	8 Hours pe	33.3	hours	
3	Access Ro	Excavatior	Dump Truc	Diesel	3330.00 C	8 Hours pe	88.8	hours	
3	Access Ro	Excavatior	Excavator	Diesel	3330.00 C	8 Hours pe	26.64	hours	
3	Access Ro	Excavatior	Pickup Tru	Diesel	3330.00 C	8 Hours pe	26.64	hours	
3	Access Ro	Excavatior	Roller	Diesel	3330.00 C	8 Hours pe	26.64	hours	
3	Access Ro	Excavatior	Scraper	Diesel	3330.00 C	8 Hours pe	33.3	hours	
3	Access Ro	Excavatior	Dozer	Diesel	7992.00 S	8 Hours pe	12.54	hours	
3	Access Ro	Fencing	Concrete T	Diesel	3000.00 LF	2 Hours pe	33.33	hours	
3	Access Ro	Fencing	Dump Truc	Diesel	3000.00 LF	8 Hours pe	133.33	hours	
3	Access Ro	Fencing	Other Gen	Diesel	3000.00 LF	8 Hours pe	133.33	hours	
3	Access Ro	Fencing	Pickup Tru	Diesel	3000.00 LF	8 Hours pe	133.33	hours	
3	Access Ro	Fencing	Skid Steer	Diesel	3000.00 LF	8 Hours pe	133.33	hours	
3	Access Ro	Fencing	Tractors/Lo	Diesel	3000.00 LF	8 Hours pe	133.33	hours	
3	Access Ro	Grading	Dozer	Diesel	11359.70 S	8 Hours pe	11.36	hours	
3	Access Ro	Grading	Grader	Diesel	11359.70 S	8 Hours pe	11.36	hours	
3	Access Ro	Grading	Roller	Diesel	11359.70 S	8 Hours pe	11.36	hours	
3	Access Ro	Hydroseec	Hydroseed	Diesel	102340.00 8	Hours pe	10.23	hours	
3	Access Ro	Hydroseec	Off-Road T	Diesel	102340.00 8	Hours pe	10.23	hours	
3	Access Ro	Markings	Flatbed Tr	Diesel	72000.00 S	8 Hours pe	164.57	hours	
3	Access Ro	Markings	Other Gen	Diesel	72000.00 S	8 Hours pe	164.57	hours	
3	Access Ro	Markings	Pickup Tru	Diesel	72000.00 S	8 Hours pe	164.57	hours	
3	Access Ro	Sidewalks	Concrete T	Diesel	18000.00 S	8 Hours pe	240	hours	
3	Access Ro	Sidewalks	Dump Truc	Diesel	18000.00 S	8 Hours pe	240	hours	
3	Access Ro	Sidewalks	Pickup Tru	Diesel	18000.00 S	8 Hours pe	240	hours	
3	Access Ro	Sidewalks	Tractors/Lo	Diesel	18000.00 S	8 Hours pe	240	hours	
3	Access Ro	Sidewalks	Vibratory (	Diesel	18000.00 S	8 Hours pe	240	hours	
3	Access Ro	Soil Erosio	Other Gen	Diesel	2.40 Acre	4 Hours pe	9.6	hours	
3	Access Ro	Soil Erosio	Pickup Tru	Diesel	2.40 Acre	8 Hours pe	19.2	hours	
3	Access Ro	Soil Erosio	Pumps	Diesel	2.40 Acre	4 Hours pe	9.6	hours	
3	Access Ro	Soil Erosio	Tractors/Lo	Diesel	2.40 Acre	4 Hours pe	9.6	hours	
3	Access Ro	Street Ligh	Dump Truc	Diesel	30.00 Ligh	8 Hours pe	80	hours	
3	Access Ro	Street Ligh	Loader	Diesel	30.00 Ligh	8 Hours pe	80	hours	
3	Access Ro	Street Ligh	Other Gen	Diesel	30.00 Ligh	8 Hours pe	80	hours	
3	Access Ro	Street Ligh	Pickup Tru	Diesel	30.00 Ligh	8 Hours pe	80	hours	
3	Access Ro	Street Ligh	Skid Steer	Diesel	30.00 Ligh	8 Hours pe	80	hours	
3	Access Ro	Street Ligh	Tractors/Lo	Diesel	30.00 Ligh	8 Hours pe	80	hours	
3	Access Ro	Subbase P	Dozer	Diesel	7992.00 S	8 Hours pe	16.83	hours	
3	Access Ro	Subbase P	Dump Truc	Diesel	2664.00 C	8 Hours pe	118.4	hours	
3	Access Ro	Subbase P	Pickup Tru	Diesel	7992.00 S	8 Hours pe	16.83	hours	
3	Access Ro	Subbase P	Roller	Diesel	2664.00 C	8 Hours pe	16.39	hours	
3	Access Ro	Topsoil Pla	Dozer	Diesel	1893.30 C	8 Hours pe	25.24	hours	
3	Access Ro	Topsoil Pla	Dump Truc	Diesel	1893.30 C	8 Hours pe	25.24	hours	
3	Access Ro	Topsoil Pla	Pickup Tru	Diesel	1893.30 C	8 Hours pe	25.24	hours	
3	Access Ro	Tree Plant	Flatbed Tr	Diesel	0.00 Trees	8 Hours pe	0	hours	
3	Access Ro	Tree Plant	Other Gen	Diesel	0.00 Trees	8 Hours pe	0	hours	
3	Access Ro	Tree Plant	Pickup Tru	Diesel	0.00 Trees	8 Hours pe	0	hours	
3	Access Ro	Tree Plant	Tractors/Lo	Diesel	0.00 Trees	8 Hours pe	0	hours	
4	Access Ro	Asphalt Pla	Asphalt Pa	Diesel	7992.00 S	8 Hours pe	9.99	hours	
4	Access Ro	Asphalt Pla	Dump Truc	Diesel	7992.00 S	8 Hours pe	35.98	hours	
4	Access Ro	Asphalt Pla	Other Gen	Diesel	7992.00 S	16 Hours p	19.98	hours	
4	Access Ro	Asphalt Pla	Pickup Tru	Diesel	7992.00 S	8 Hours pe	9.99	hours	
4	Access Ro	Asphalt Pla	Roller	Diesel	7992.00 S	8 Hours pe	9.99	hours	
4	Access Ro	Asphalt Pla	Skid Steer	Diesel	7992.00 S	8 Hours pe	9.99	hours	
4	Access Ro	Asphalt Pla	Surfacing E	Diesel	7992.00 S	8 Hours pe	12.79	hours	
4	Access Ro	Clearing ar	Chain Saw	Diesel	2.40 Acre	12 Hours p	28.8	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Access Ro	Clearing ar	Chipper/St	Diesel	2.40 Acre	12 Hours p	28.8	hours	
4	Access Ro	Clearing ar	Pickup Tru	Diesel	2.40 Acre	16 Hours p	38.4	hours	
4	Access Ro	Concrete F	Air Compre	Diesel	3330.00 C	8 Hours pe	26.64	hours	
4	Access Ro	Concrete F	Concrete S	Diesel	3330.00 C	8 Hours pe	26.64	hours	
4	Access Ro	Concrete F	Concrete T	Diesel	3330.00 C	8 Hours pe	111	hours	

4	Access Ro	Concrete F	Other Gen	Diesel	3330.00	Cy	16 Hours p	53.28	hours
4	Access Ro	Concrete F	Pickup Tru	Diesel	3330.00	Cy	24 Hours p	79.92	hours
4	Access Ro	Concrete F	Rubber Tir	Diesel	3330.00	Cy	8 Hours pe	26.64	hours
4	Access Ro	Concrete F	Slip Form I	Diesel	3330.00	Cy	8 Hours pe	26.64	hours
4	Access Ro	Concrete F	Surfacing E	Diesel	3330.00	Cy	8 Hours pe	26.64	hours
4	Access Ro	Curbing	Concrete T	Diesel	6000.00	LF	8 Hours pe	120	hours
4	Access Ro	Curbing	Curb/Gutt	Diesel	6000.00	LF	8 Hours pe	120	hours
4	Access Ro	Curbing	Other Gen	Diesel	6000.00	LF	8 Hours pe	120	hours
4	Access Ro	Curbing	Pickup Tru	Diesel	6000.00	LF	8 Hours pe	120	hours
4	Access Ro	Drainage -	Dozer	Diesel	3010.00	LF	8 Hours pe	96.32	hours
4	Access Ro	Drainage -	Dump Truc	Diesel	3010.00	LF	8 Hours pe	96.32	hours
4	Access Ro	Drainage -	Excavator	Diesel	3010.00	LF	8 Hours pe	96.32	hours
4	Access Ro	Drainage -	Loader	Diesel	3010.00	LF	8 Hours pe	96.32	hours
4	Access Ro	Drainage -	Other Gen	Diesel	3010.00	LF	8 Hours pe	96.32	hours
4	Access Ro	Drainage -	Pickup Tru	Diesel	3010.00	LF	8 Hours pe	96.32	hours
4	Access Ro	Drainage -	Roller	Diesel	3010.00	LF	8 Hours pe	96.32	hours
4	Access Ro	Drainage -	Dump Truc	Diesel	6020.00	LF	8 Hours pe	53.51	hours
4	Access Ro	Drainage -	Loader	Diesel	6020.00	LF	8 Hours pe	53.51	hours
4	Access Ro	Drainage -	Other Gen	Diesel	6020.00	LF	8 Hours pe	53.51	hours
4	Access Ro	Drainage -	Pickup Tru	Diesel	6020.00	LF	8 Hours pe	53.51	hours
4	Access Ro	Drainage -	Tractors/Lo	Diesel	6020.00	LF	8 Hours pe	53.51	hours
4	Access Ro	Dust Contr	Water Truc	Diesel	180.00	Day	8 Hours pe	1440	hours
4	Access Ro	Excavatior	Dozer	Diesel	3330.00	Cy	8 Hours pe	44.4	hours
4	Access Ro	Excavatior	Dump Truc	Diesel	3330.00	Cy	8 Hours pe	44.4	hours
4	Access Ro	Excavatior	Pickup Tru	Diesel	3330.00	Cy	8 Hours pe	44.4	hours
4	Access Ro	Excavatior	Roller	Diesel	3330.00	Cy	8 Hours pe	20.49	hours
4	Access Ro	Excavatior	Dozer	Diesel	3330.00	Cy	8 Hours pe	33.3	hours
4	Access Ro	Excavatior	Dump Truc	Diesel	3330.00	Cy	8 Hours pe	88.8	hours
4	Access Ro	Excavatior	Excavator	Diesel	3330.00	Cy	8 Hours pe	26.64	hours
4	Access Ro	Excavatior	Pickup Tru	Diesel	3330.00	Cy	8 Hours pe	26.64	hours
4	Access Ro	Excavatior	Roller	Diesel	3330.00	Cy	8 Hours pe	26.64	hours
4	Access Ro	Excavatior	Scraper	Diesel	3330.00	Cy	8 Hours pe	33.3	hours
4	Access Ro	Excavatior	Dozer	Diesel	7992.00	SY	8 Hours pe	12.54	hours
4	Access Ro	Fencing	Concrete T	Diesel	3000.00	LF	2 Hours pe	33.33	hours
4	Access Ro	Fencing	Dump Truc	Diesel	3000.00	LF	8 Hours pe	133.33	hours
4	Access Ro	Fencing	Other Gen	Diesel	3000.00	LF	8 Hours pe	133.33	hours
4	Access Ro	Fencing	Pickup Tru	Diesel	3000.00	LF	8 Hours pe	133.33	hours
4	Access Ro	Fencing	Skid Steer	Diesel	3000.00	LF	8 Hours pe	133.33	hours
4	Access Ro	Fencing	Tractors/Lo	Diesel	3000.00	LF	8 Hours pe	133.33	hours
4	Access Ro	Grading	Dozer	Diesel	11359.70	SY	8 Hours pe	11.36	hours
4	Access Ro	Grading	Grader	Diesel	11359.70	SY	8 Hours pe	11.36	hours
4	Access Ro	Grading	Roller	Diesel	11359.70	SY	8 Hours pe	11.36	hours
4	Access Ro	Hydroseed	Hydroseed	Diesel	102340.00	8 Hours pe		10.23	hours
4	Access Ro	Hydroseed	Off-Road T	Diesel	102340.00	8 Hours pe		10.23	hours
4	Access Ro	Markings	Flatbed Tr	Diesel	72000.00	SY	8 Hours pe	164.57	hours
4	Access Ro	Markings	Other Gen	Diesel	72000.00	SY	8 Hours pe	164.57	hours
4	Access Ro	Markings	Pickup Tru	Diesel	72000.00	SY	8 Hours pe	164.57	hours
4	Access Ro	Sidewalks	Concrete T	Diesel	18000.00	SY	8 Hours pe	240	hours
4	Access Ro	Sidewalks	Dump Truc	Diesel	18000.00	SY	8 Hours pe	240	hours
4	Access Ro	Sidewalks	Pickup Tru	Diesel	18000.00	SY	8 Hours pe	240	hours
4	Access Ro	Sidewalks	Tractors/Lo	Diesel	18000.00	SY	8 Hours pe	240	hours
4	Access Ro	Sidewalks	Vibratory (	Diesel	18000.00	SY	8 Hours pe	240	hours
4	Access Ro	Soil Erosio	Other Gen	Diesel	2.40	Acre	4 Hours pe	9.6	hours
4	Access Ro	Soil Erosio	Pickup Tru	Diesel	2.40	Acre	8 Hours pe	19.2	hours
4	Access Ro	Soil Erosio	Pumps	Diesel	2.40	Acre	4 Hours pe	9.6	hours
4	Access Ro	Soil Erosio	Tractors/Lo	Diesel	2.40	Acre	4 Hours pe	9.6	hours
4	Access Ro	Street Ligh	Dump Truc	Diesel	30.00	Light	8 Hours pe	80	hours
4	Access Ro	Street Ligh	Loader	Diesel	30.00	Light	8 Hours pe	80	hours
4	Access Ro	Street Ligh	Other Gen	Diesel	30.00	Light	8 Hours pe	80	hours
4	Access Ro	Street Ligh	Pickup Tru	Diesel	30.00	Light	8 Hours pe	80	hours
4	Access Ro	Street Ligh	Skid Steer	Diesel	30.00	Light	8 Hours pe	80	hours
4	Access Ro	Street Ligh	Tractors/Lo	Diesel	30.00	Light	8 Hours pe	80	hours
4	Access Ro	Subbase P	Dozer	Diesel	7992.00	SY	8 Hours pe	16.83	hours
4	Access Ro	Subbase P	Dump Truc	Diesel	2664.00	Cy	8 Hours pe	118.4	hours
4	Access Ro	Subbase P	Pickup Tru	Diesel	7992.00	SY	8 Hours pe	16.83	hours
4	Access Ro	Subbase P	Roller	Diesel	2664.00	Cy	8 Hours pe	16.39	hours
4	Access Ro	Topsoil Pla	Dozer	Diesel	1893.30	Cy	8 Hours pe	25.24	hours
4	Access Ro	Topsoil Pla	Dump Truc	Diesel	1893.30	Cy	8 Hours pe	25.24	hours
4	Access Ro	Topsoil Pla	Pickup Tru	Diesel	1893.30	Cy	8 Hours pe	25.24	hours
4	Access Ro	Tree Plant	Flatbed Tr	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Access Ro	Tree Plant	Other Gen	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Access Ro	Tree Plant	Pickup Tru	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Access Ro	Tree Plant	Tractors/Lo	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Building - :	Concrete F	Backhoe	Diesel	100000.00	0.0048	Ho	480	hours
4	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0018	Ho	180	hours
4	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0036	Ho	360	hours
4	Building - :	Concrete F	Excavator	Diesel	100000.00	0.0016	Ho	160	hours
4	Building - :	Concrete F	Fork Truck	Diesel	100000.00	0.0048	Ho	480	hours
4	Building - :	Concrete F	Tool Truck	Diesel	100000.00	0.0012	Ho	120	hours
4	Building - :	Concrete F	Tractor Tra	Diesel	100000.00	0.0024	Ho	240	hours
4	Building - :	Constructi	Survey Cre	Diesel	100000.00	0.0001	Ho	10	hours
4	Building - :	Constructi	Tractor Tra	Diesel	100000.00	0.00004	Ho	4	hours
4	Building - :	Exterior W	Fork Truck	Diesel	100000.00	0.0084	Ho	840	hours
4	Building - :	Exterior W	Generator	Diesel	100000.00	0.0008	Ho	80	hours
4	Building - :	Exterior W	Grout Mixe	Diesel	100000.00	0.0042	Ho	420	hours
4	Building - :	Exterior W	Grout Whe	Diesel	100000.00	0.0016	Ho	160	hours
4	Building - :	Exterior W	Man Lift	Diesel	100000.00	0.0168	Ho	1680	hours
4	Building - :	Exterior W	Tool Truck	Diesel	100000.00	0.0042	Ho	420	hours
4	Building - :	Exterior W	Tractor Tra	Diesel	100000.00	0.0084	Ho	840	hours
4	Building - :	Exterior W	Truck Tow	Diesel	100000.00	0.0008	Ho	80	hours
4	Building - :	Interior Bu	Fork Truck	Diesel	100000.00	0.016	Hou	1600	hours
4	Building - :	Interior Bu	Man Lift	Diesel	100000.00	0.032	Hou	3200	hours
4	Building - :	Interior Bu	Tool Truck	Diesel	100000.00	0.016	Hou	1600	hours
4	Building - :	Interior Bu	Tractor Tra	Diesel	100000.00	0.016	Hou	1600	hours
4	Building - :	Roofing	High Lift	Diesel	100000.00	0.0016	Ho	160	hours
4	Building - :	Roofing	Man Lift	Diesel	100000.00	0.0004	Ho	40	hours
4	Building - :	Roofing	Material D	Diesel	100000.00	0.0006	Ho	60	hours
4	Building - :	Roofing	Tractor Tra	Diesel	100000.00	0.0004	Ho	40	hours
4	Building - :	Roofing	Truck Tow	Diesel	100000.00	0.0012	Ho	120	hours
4	Building - :	Security &	High Lift	Diesel	100000.00	0.008	Hou	800	hours
4	Building - :	Security &	Tool Truck	Diesel	100000.00	0.008	Hou	800	hours
4	Building - :	Structural	90 Ton Cra	Diesel	100000.00	0.0024	Ho	240	hours
4	Building - :	Structural	Concrete F	Diesel	100000.00	0.0006	Ho	60	hours
4	Building - :	Structural	Concrete T	Diesel	100000.00	0.0006	Ho	60	hours
4	Building - :	Structural	Fork Truck	Diesel	100000.00	0.0064	Ho	640	hours
4	Building - :	Structural	Tool Truck	Diesel	100000.00	0.0016	Ho	160	hours
4	Building - :	Structural	Tractor Tra	Diesel	100000.00	0.0036	Ho	360	hours
4	Building - :	Structural	Trowel Ma	Diesel	100000.00	0.0004	Ho	40	hours
4	Building - :	Structural	Truck Tow	Diesel	100000.00	0.0072	Ho	720	hours
4	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	5994.00	SY	8 Hours pe	7.49	hours
4	Terminal A	Asphalt Pla	Dump Truc	Diesel	5994.00	SY	8 Hours pe	26.98	hours
4	Terminal A	Asphalt Pla	Other Gen	Diesel	5994.00	SY	16 Hours p	14.99	hours
4	Terminal A	Asphalt Pla	Pickup Tru	Diesel	5994.00	SY	8 Hours pe	7.49	hours
4	Terminal A	Asphalt Pla	Roller	Diesel	5994.00	SY	8 Hours pe	7.49	hours
4	Terminal A	Asphalt Pla	Skid Steer	Diesel	5994.00	SY	8 Hours pe	7.49	hours
4	Terminal A	Asphalt Pla	Surfacing E	Diesel	5994.00	SY	8 Hours pe	9.59	hours
4	Terminal A	Clearing a	Chain Saw	Diesel	1.40	Acre	12 Hours p	16.8	hours
4	Terminal A	Clearing a	Chipper/St	Diesel	1.40	Acre	12 Hours p	16.8	hours
4	Terminal A	Clearing a	Pickup Tru	Diesel	1.40	Acre	16 Hours p	22.4	hours
4	Terminal A	Concrete F	Air Compre	Diesel	2497.50	Cy	8 Hours pe	19.98	hours
4	Terminal A	Concrete F	Concrete S	Diesel	2497.50	Cy	8 Hours pe	19.98	hours
4	Terminal A	Concrete F	Concrete T	Diesel	2497.50	Cy	8 Hours pe	83.25	hours
4	Terminal A	Concrete F	Other Gen	Diesel	2497.50	Cy	16 Hours p	39.96	hours
4	Terminal A	Concrete F	Pickup Tru	Diesel	2497.50	Cy	24 Hours p	59.94	hours
4	Terminal A	Concrete F	Rubber Tir	Diesel	2497.50	Cy	8 Hours pe	19.98	hours
4	Terminal A	Concrete F	Slip Form I	Diesel	2497.50	Cy	8 Hours pe	19.98	hours
4	Terminal A	Concrete F	Surfacing E	Diesel	2497.50	Cy	8 Hours pe	19.98	hours
4	Terminal A	Drainage -	Dozer	Diesel	410.00	LF	8 Hours pe	13.12	hours
4	Terminal A	Drainage -	Dump Truc	Diesel	410.00	LF	8 Hours pe	13.12	hours
4	Terminal A	Drainage -	Excavator	Diesel	410.00	LF	8 Hours pe	13.12	hours
4	Terminal A	Drainage -	Loader	Diesel	410.00	LF	8 Hours pe	13.12	hours
4	Terminal A	Drainage -	Other Gen	Diesel	410.00	LF	8 Hours pe	13.12	hours
4	Terminal A	Drainage -	Pickup Tru	Diesel	410.00	LF	8 Hours pe	13.12	hours
4	Terminal A	Drainage -	Roller	Diesel	410.00	LF	8 Hours pe	13.12	hours
4	Terminal A	Drainage -	Dump Truc	Diesel	820.00	LF	8 Hours pe	7.29	hours
4	Terminal A	Drainage -	Loader	Diesel	820.00	LF	8 Hours pe	7.29	hours
4	Terminal A	Drainage -	Other Gen	Diesel	820.00	LF	8 Hours pe	7.29	hours
4	Terminal A	Drainage -	Pickup Tru	Diesel	820.00	LF	8 Hours pe	7.29	hours
4	Terminal A	Drainage -	Tractors/Lo	Diesel	820.00	LF	8 Hours pe	7.29	hours
4	Terminal A	Dust Contr	Water Truc	Diesel	180.00	Day	8 Hours pe	1440	hours
4	Terminal A	Excavatior	Dozer	Diesel	2497.50	Cy	8 Hours pe	33.3	hours
4	Terminal A	Excavatior	Dump Truc	Diesel	2497.50	Cy	8 Hours pe	33.3	hours

*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***

4	Terminal A	Excavatior	Pickup Tru	Diesel	2497.50	Ch	8 Hours pe	33.3	hours
4	Terminal A	Excavatior	Roller	Diesel	2497.50	Ch	8 Hours pe	15.37	hours
4	Terminal A	Excavatior	Dozer	Diesel	2497.50	Ch	8 Hours pe	24.98	hours
4	Terminal A	Excavatior	Dump Truc	Diesel	2497.50	Ch	8 Hours pe	66.6	hours
4	Terminal A	Excavatior	Excavator	Diesel	2497.50	Ch	8 Hours pe	19.98	hours
4	Terminal A	Excavatior	Pickup Tru	Diesel	2497.50	Ch	8 Hours pe	19.98	hours
4	Terminal A	Excavatior	Roller	Diesel	2497.50	Ch	8 Hours pe	19.98	hours
4	Terminal A	Excavatior	Scraper	Diesel	2497.50	Ch	8 Hours pe	24.98	hours
4	Terminal A	Excavatior	Dozer	Diesel	5994.00	Sh	8 Hours pe	9.4	hours
4	Terminal A	Fencing	Concrete T	Diesel	400.00	LF	2 Hours pe	4.44	hours
4	Terminal A	Fencing	Dump Truc	Diesel	400.00	LF	8 Hours pe	17.78	hours
4	Terminal A	Fencing	Other Gen	Diesel	400.00	LF	8 Hours pe	17.78	hours
4	Terminal A	Fencing	Pickup Tru	Diesel	400.00	LF	8 Hours pe	17.78	hours
4	Terminal A	Fencing	Skid Steer	Diesel	400.00	LF	8 Hours pe	17.78	hours
4	Terminal A	Fencing	Tractors/Lo	Diesel	400.00	LF	8 Hours pe	17.78	hours
4	Terminal A	Grading	Dozer	Diesel	6599.00	Sh	8 Hours pe	6.6	hours
4	Terminal A	Grading	Grader	Diesel	6599.00	Sh	8 Hours pe	6.6	hours
4	Terminal A	Grading	Roller	Diesel	6599.00	Sh	8 Hours pe	6.6	hours
4	Terminal A	Hydroseec	Hydroseed	Diesel	59450.00	S	8 Hours pe	5.95	hours
4	Terminal A	Hydroseec	Off-Road T	Diesel	59450.00	S	8 Hours pe	5.95	hours
4	Terminal A	Lighting	Dump Truc	Diesel	1070.00	LF	8 Hours pe	7.13	hours
4	Terminal A	Lighting	Loader	Diesel	1070.00	LF	8 Hours pe	7.13	hours
4	Terminal A	Lighting	Other Gen	Diesel	1070.00	LF	8 Hours pe	7.13	hours
4	Terminal A	Lighting	Pickup Tru	Diesel	1070.00	LF	8 Hours pe	7.13	hours
4	Terminal A	Lighting	Skid Steer	Diesel	1070.00	LF	8 Hours pe	7.13	hours
4	Terminal A	Lighting	Tractors/Lo	Diesel	1070.00	LF	8 Hours pe	7.13	hours
4	Terminal A	Markings	Flatbed Tr	Diesel	54000.00	S	8 Hours pe	123.43	hours
4	Terminal A	Markings	Other Gen	Diesel	54000.00	S	8 Hours pe	123.43	hours
4	Terminal A	Markings	Pickup Tru	Diesel	54000.00	S	8 Hours pe	123.43	hours
4	Terminal A	Sealing/Fu	Distributin	Diesel	5994.00	Sh	8 Hours pe	15.98	hours
4	Terminal A	Sealing/Fu	Other Gen	Diesel	5994.00	Sh	8 Hours pe	15.98	hours
4	Terminal A	Sealing/Fu	Pickup Tru	Diesel	5994.00	Sh	8 Hours pe	15.98	hours
4	Terminal A	Soil Erosio	Other Gen	Diesel	1.40	Acre	4 Hours pe	5.6	hours
4	Terminal A	Soil Erosio	Pickup Tru	Diesel	1.40	Acre	8 Hours pe	11.2	hours
4	Terminal A	Soil Erosio	Pumps	Diesel	1.40	Acre	4 Hours pe	5.6	hours
4	Terminal A	Soil Erosio	Tractors/Lo	Diesel	1.40	Acre	4 Hours pe	5.6	hours
4	Terminal A	Subbase P	Dozer	Diesel	5994.00	Sh	8 Hours pe	12.62	hours
4	Terminal A	Subbase P	Dump Truc	Diesel	1998.00	Ch	8 Hours pe	88.8	hours
4	Terminal A	Subbase P	Pickup Tru	Diesel	5994.00	Sh	8 Hours pe	12.62	hours
4	Terminal A	Subbase P	Roller	Diesel	1998.00	Ch	8 Hours pe	12.3	hours
4	Terminal A	Topsoil Pla	Dozer	Diesel	1099.80	Ch	8 Hours pe	14.66	hours
4	Terminal A	Topsoil Pla	Dump Truc	Diesel	1099.80	Ch	8 Hours pe	14.66	hours
4	Terminal A	Topsoil Pla	Pickup Tru	Diesel	1099.80	Ch	8 Hours pe	14.66	hours
5	Building - :	Concrete F	Backhoe	Diesel	100000.00	0.0048	Ho	480	hours
5	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0018	Ho	180	hours
5	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0036	Ho	360	hours
5	Building - :	Concrete F	Excavator	Diesel	100000.00	0.0016	Ho	160	hours
5	Building - :	Concrete F	Fork Truck	Diesel	100000.00	0.0048	Ho	480	hours
5	Building - :	Concrete F	Tool Truck	Diesel	100000.00	0.0012	Ho	120	hours
5	Building - :	Concrete F	Tractor Tra	Diesel	100000.00	0.0024	Ho	240	hours
5	Building - :	Constructi	Survey Cre	Diesel	100000.00	0.0001	Ho	10	hours
5	Building - :	Constructi	Tractor Tra	Diesel	100000.00	0.00004	Ho	4	hours
5	Building - :	Exterior W	Fork Truck	Diesel	100000.00	0.0084	Ho	840	hours
5	Building - :	Exterior W	Generator	Diesel	100000.00	0.0008	Ho	80	hours
5	Building - :	Exterior W	Grout Mixe	Diesel	100000.00	0.0042	Ho	420	hours
5	Building - :	Exterior W	Grout Whe	Diesel	100000.00	0.0016	Ho	160	hours
5	Building - :	Exterior W	Man Lift	Diesel	100000.00	0.0168	Ho	1680	hours
5	Building - :	Exterior W	Tool Truck	Diesel	100000.00	0.0042	Ho	420	hours
5	Building - :	Exterior W	Tractor Tra	Diesel	100000.00	0.0084	Ho	840	hours
5	Building - :	Exterior W	Truck Tow	Diesel	100000.00	0.0008	Ho	80	hours
5	Building - :	Interior Bu	Fork Truck	Diesel	100000.00	0.016	Hou	1600	hours
5	Building - :	Interior Bu	Man Lift	Diesel	100000.00	0.032	Hou	3200	hours
5	Building - :	Interior Bu	Tool Truck	Diesel	100000.00	0.016	Hou	1600	hours
5	Building - :	Interior Bu	Tractor Tra	Diesel	100000.00	0.016	Hou	1600	hours
5	Building - :	Roofing	High Lift	Diesel	100000.00	0.0016	Ho	160	hours
5	Building - :	Roofing	Man Lift	Diesel	100000.00	0.0004	Ho	40	hours
5	Building - :	Roofing	Material D	Diesel	100000.00	0.0006	Ho	60	hours
5	Building - :	Roofing	Tractor Tra	Diesel	100000.00	0.0004	Ho	40	hours
5	Building - :	Roofing	Truck Tow	Diesel	100000.00	0.0012	Ho	120	hours
5	Building - :	Security &	High Lift	Diesel	100000.00	0.008	Hou	800	hours
5	Building - :	Security &	Tool Truck	Diesel	100000.00	0.008	Hou	800	hours
5	Building - :	Structural	90 Ton Cra	Diesel	100000.00	0.0024	Ho	240	hours
5	Building - :	Structural	Concrete F	Diesel	100000.00	0.0006	Ho	60	hours
5	Building - :	Structural	Concrete T	Diesel	100000.00	0.0006	Ho	60	hours
5	Building - :	Structural	Fork Truck	Diesel	100000.00	0.0064	Ho	640	hours
5	Building - :	Structural	Tool Truck	Diesel	100000.00	0.0016	Ho	160	hours
5	Building - :	Structural	Tractor Tra	Diesel	100000.00	0.0036	Ho	360	hours
5	Building - :	Structural	Trowel Ma	Diesel	100000.00	0.0004	Ho	40	hours
5	Building - :	Structural	Truck Tow	Diesel	100000.00	0.0072	Ho	720	hours
5	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	3996.00	Sh	8 Hours pe	5	hours
5	Terminal A	Asphalt Pla	Dump Truc	Diesel	3996.00	Sh	8 Hours pe	17.99	hours
5	Terminal A	Asphalt Pla	Other Gen	Diesel	3996.00	Sh	16 Hours p	9.99	hours
5	Terminal A	Asphalt Pla	Pickup Tru	Diesel	3996.00	Sh	8 Hours pe	5	hours
5	Terminal A	Asphalt Pla	Roller	Diesel	3996.00	Sh	8 Hours pe	5	hours
5	Terminal A	Asphalt Pla	Skid Steer	Diesel	3996.00	Sh	8 Hours pe	5	hours
5	Terminal A	Asphalt Pla	Surfacing E	Diesel	3996.00	Sh	8 Hours pe	6.39	hours
5	Terminal A	Clearing an	Chain Saw	Diesel	0.90	Acre	12 Hours p	10.8	hours
5	Terminal A	Clearing an	Chipper/St	Diesel	0.90	Acre	12 Hours p	10.8	hours
5	Terminal A	Clearing an	Pickup Tru	Diesel	0.90	Acre	16 Hours p	14.4	hours
5	Terminal A	Concrete F	Air Compre	Diesel	1665.00	Ch	8 Hours pe	13.32	hours
5	Terminal A	Concrete F	Concrete S	Diesel	1665.00	Ch	8 Hours pe	13.32	hours
5	Terminal A	Concrete F	Concrete T	Diesel	1665.00	Ch	8 Hours pe	55.5	hours
5	Terminal A	Concrete F	Other Gen	Diesel	1665.00	Ch	16 Hours p	26.64	hours
5	Terminal A	Concrete F	Pickup Tru	Diesel	1665.00	Ch	24 Hours p	39.96	hours
5	Terminal A	Concrete F	Rubber Tir	Diesel	1665.00	Ch	8 Hours pe	13.32	hours
5	Terminal A	Concrete F	Slip Form I	Diesel	1665.00	Ch	8 Hours pe	13.32	hours
5	Terminal A	Concrete F	Surfacing E	Diesel	1665.00	Ch	8 Hours pe	13.32	hours
5	Terminal A	Drainage -	Dozer	Diesel	410.00	LF	8 Hours pe	13.12	hours
5	Terminal A	Drainage -	Dump Truc	Diesel	410.00	LF	8 Hours pe	13.12	hours
5	Terminal A	Drainage -	Excavator	Diesel	410.00	LF	8 Hours pe	13.12	hours
5	Terminal A	Drainage -	Loader	Diesel	410.00	LF	8 Hours pe	13.12	hours
5	Terminal A	Drainage -	Other Gen	Diesel	410.00	LF	8 Hours pe	13.12	hours
5	Terminal A	Drainage -	Pickup Tru	Diesel	410.00	LF	8 Hours pe	13.12	hours
5	Terminal A	Drainage -	Roller	Diesel	410.00	LF	8 Hours pe	13.12	hours
5	Terminal A	Drainage -	Dump Truc	Diesel	820.00	LF	8 Hours pe	7.29	hours
5	Terminal A	Drainage -	Loader	Diesel	820.00	LF	8 Hours pe	7.29	hours
5	Terminal A	Drainage -	Other Gen	Diesel	820.00	LF	8 Hours pe	7.29	hours
5	Terminal A	Drainage -	Pickup Tru	Diesel	820.00	LF	8 Hours pe	7.29	hours
5	Terminal A	Drainage -	Tractors/Lo	Diesel	820.00	LF	8 Hours pe	7.29	hours
5	Terminal A	Dust Contr	Water Truc	Diesel	120.00	Day	8 Hours pe	960	hours
5	Terminal A	Excavatior	Dozer	Diesel	1665.00	Ch	8 Hours pe	22.2	hours
5	Terminal A	Excavatior	Dump Truc	Diesel	1665.00	Ch	8 Hours pe	22.2	hours
5	Terminal A	Excavatior	Pickup Tru	Diesel	1665.00	Ch	8 Hours pe	22.2	hours
5	Terminal A	Excavatior	Roller	Diesel	1665.00	Ch	8 Hours pe	10.25	hours
5	Terminal A	Excavatior	Dozer	Diesel	1665.00	Ch	8 Hours pe	16.65	hours
5	Terminal A	Excavatior	Dump Truc	Diesel	1665.00	Ch	8 Hours pe	44.4	hours
5	Terminal A	Excavatior	Excavator	Diesel	1665.00	Ch	8 Hours pe	13.32	hours
5	Terminal A	Excavatior	Pickup Tru	Diesel	1665.00	Ch	8 Hours pe	13.32	hours
5	Terminal A	Excavatior	Roller	Diesel	1665.00	Ch	8 Hours pe	13.32	hours
5	Terminal A	Excavatior	Scraper	Diesel	1665.00	Ch	8 Hours pe	16.65	hours
5	Terminal A	Excavatior	Dozer	Diesel	3996.00	Sh	8 Hours pe	6.27	hours
5	Terminal A	Fencing	Concrete T	Diesel	400.00	LF	2 Hours pe	4.44	hours
5	Terminal A	Fencing	Dump Truc	Diesel	400.00	LF	8 Hours pe	17.78	hours
5	Terminal A	Fencing	Other Gen	Diesel	400.00	LF	8 Hours pe	17.78	hours
5	Terminal A	Fencing	Pickup Tru	Diesel	400.00	LF	8 Hours pe	17.78	hours
5	Terminal A	Fencing	Skid Steer	Diesel	400.00	LF	8 Hours pe	17.78	hours
5	Terminal A	Fencing	Tractors/Lo	Diesel	400.00	LF	8 Hours pe	17.78	hours
5	Terminal A	Grading	Dozer	Diesel	4551.00	Sh	8 Hours pe	4.55	hours
5	Terminal A	Grading	Grader	Diesel	4551.00	Sh	8 Hours pe	4.55	hours
5	Terminal A	Grading	Roller	Diesel	4551.00	Sh	8 Hours pe	4.55	hours
5	Terminal A	Hydroseec	Hydroseed	Diesel	41000.00	S	8 Hours pe	4.1	hours
5	Terminal A	Hydroseec	Off-Road T	Diesel	41000.00	S	8 Hours pe	4.1	hours
5	Terminal A	Lighting	Dump Truc	Diesel	980.00	LF	8 Hours pe	6.53	hours
5	Terminal A	Lighting	Loader	Diesel	980.00	LF	8 Hours pe	6.53	hours
5	Terminal A	Lighting	Other Gen	Diesel	980.00	LF	8 Hours pe	6.53	hours
5	Terminal A	Lighting	Pickup Tru	Diesel	980.00	LF	8 Hours pe	6.53	hours
5	Terminal A	Lighting	Skid Steer	Diesel	980.00	LF	8 Hours pe	6.53	hours
5	Terminal A	Lighting	Tractors/Lo	Diesel	980.00	LF	8 Hours pe	6.53	hours
5	Terminal A	Markings	Flatbed Tr	Diesel	36000.00	S	8 Hours pe	82.29	hours
5	Terminal A	Markings	Other Gen	Diesel	36000.00	S	8 Hours pe	82.29	hours
5	Terminal A	Markings	Pickup Tru	Diesel	36000.00	S	8 Hours pe	82.29	hours
5	Terminal A	Sealing/Fu	Distributin	Diesel	3996.00	Sh	8 Hours pe	10.66	hours

*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***

5	Terminal A	Sealing/Fu	Other Gen	Diesel	3996.00 S	8 Hours pe	10.66	hours	
5	Terminal A	Sealing/Fu	Pickup Tru	Diesel	3996.00 S	8 Hours pe	10.66	hours	
5	Terminal A	Soil Erosio	Other Gen	Diesel	0.90 Acre	4 Hours pe	3.6	hours	
5	Terminal A	Soil Erosio	Pickup Tru	Diesel	0.90 Acre	8 Hours pe	7.2	hours	
5	Terminal A	Soil Erosio	Pumps	Diesel	0.90 Acre	4 Hours pe	3.6	hours	
5	Terminal A	Soil Erosio	Tractors/Lo	Diesel	0.90 Acre	4 Hours pe	3.6	hours	
5	Terminal A	Subbase P	Dozer	Diesel	3996.00 S	8 Hours pe	8.41	hours	
5	Terminal A	Subbase P	Dump Truc	Diesel	1332.00 C	8 Hours pe	59.2	hours	
5	Terminal A	Subbase P	Pickup Tru	Diesel	3996.00 S	8 Hours pe	8.41	hours	
5	Terminal A	Subbase P	Roller	Diesel	1332.00 C	8 Hours pe	8.2	hours	
5	Terminal A	Topsoil Pla	Dozer	Diesel	758.50 CY	8 Hours pe	10.11	hours	
5	Terminal A	Topsoil Pla	Dump Truc	Diesel	758.50 CY	8 Hours pe	10.11	hours	
5	Terminal A	Topsoil Pla	Pickup Tru	Diesel	758.50 CY	8 Hours pe	10.11	hours	

Activity: On-Road (Estimated based on engineering experience)

Scenario ID	Project	Equipmen	On-road A	Fuel	Roadway T	Round Trip	Number of	Number of	Project Len	Project Wi	Project Are	Building H	Open Spac	Number of	Activity Siz	Activity Ra	Default VM	User VMT
1	Parking Lo	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	1200	196	--	--	--	--	--	--	3413	
1	Parking Lo	Cement M	Material D	Diesel	Urban Unr	40	--	129	1200	196	--	--	--	--	--	--	54390	
1	Parking Lo	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1200	196	--	--	--	--	--	--	4835	
1	Parking Lo	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1200	196	--	--	--	--	--	--	29008	
1	Parking Lo	Passenger	Employee	Gasoline	Urban Unr	30	77	129	--	--	--	--	--	--	--	--	297990	
2	Parking Lo	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	1200	196	--	--	--	--	--	--	3413	
2	Parking Lo	Cement M	Material D	Diesel	Urban Unr	40	--	129	1200	196	--	--	--	--	--	--	54390	
2	Parking Lo	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1200	196	--	--	--	--	--	--	4835	
2	Parking Lo	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1200	196	--	--	--	--	--	--	29008	
2	Parking Lo	Passenger	Employee	Gasoline	Urban Unr	30	85	129	--	--	--	--	--	--	--	--	328950	
3	Access Roa	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	3000	24	--	--	--	--	--	--	1045	
3	Access Roa	Cement M	Material D	Diesel	Urban Unr	40	--	129	3000	24	--	--	--	--	--	--	16650	
3	Access Roa	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	3000	24	--	--	--	--	--	--	1480	
3	Access Roa	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	3000	24	--	--	--	--	--	--	8880	
3	Access Roa	Passenger	Employee	Gasoline	Urban Unr	30	86	129	--	--	--	--	--	--	--	--	332820	
4	Access Roa	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	3000	24	--	--	--	--	--	--	1045	
4	Access Roa	Cement M	Material D	Diesel	Urban Unr	40	--	129	3000	24	--	--	--	--	--	--	16650	
4	Access Roa	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	3000	24	--	--	--	--	--	--	1480	
4	Access Roa	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	3000	24	--	--	--	--	--	--	8880	
4	Access Roa	Passenger	Employee	Gasoline	Urban Unr	30	86	129	--	--	--	--	--	--	--	--	332820	
4	Building - :	Cement M	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--	23125	
4	Building - :	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--	12333	
4	Building - :	Passenger	Employee	Gasoline	Urban Unr	30	299.64	129	--	--	--	--	--	--	--	--	1159607	
4	Building - :	Tractor Tr	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	0.0024	2400	
4	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	400	135	--	--	--	--	--	--	784	
4	Terminal A	Cement M	Material D	Diesel	Urban Unr	40	--	129	400	135	--	--	--	--	--	--	12488	
4	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	400	135	--	--	--	--	--	--	1110	
4	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	400	135	--	--	--	--	--	--	6660	
4	Terminal A	Passenger	Employee	Gasoline	Urban Unr	30	76	129	--	--	--	--	--	--	--	--	294120	
5	Building - :	Cement M	Material D	Diesel	Urban Unr	40	--	86	--	--	100000	--	--	--	--	--	23125	
5	Building - :	Dump Truc	Material D	Diesel	Urban Unr	40	--	86	--	--	100000	--	--	--	--	--	12333	
5	Building - :	Passenger	Employee	Gasoline	Urban Unr	30	199.76	86	--	--	--	--	--	--	--	--	515381	
5	Building - :	Tractor Tr	Material D	Diesel	Urban Unr	40	--	86	--	--	100000	--	--	--	--	0.0024	2400	
5	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	86	400	90	--	--	--	--	--	--	522	
5	Terminal A	Cement M	Material D	Diesel	Urban Unr	40	--	86	400	90	--	--	--	--	--	--	8325	
5	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	86	400	90	--	--	--	--	--	--	740	
5	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	86	400	90	--	--	--	--	--	--	4440	
5	Terminal A	Passenger	Employee	Gasoline	Urban Unr	30	76	86	--	--	--	--	--	--	--	--	196080	

Emission Factor: Non-Road (from NONROAD)

Scenario ID	Project	Constructi	Equipmen	Fuel Type	Avg Rated	Load Factc	CO (g/hp-h	NOx (g/hp	CO2 (g/hp	SO2 (g/hp	PM10 (g/h	PM2.5 (g/l	VOC Exhau	VOC Evaporative (g/equipment-day)	
1	Parking Lo	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.194163	
1	Parking Lo	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Asphalt Pla	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Parking Lo	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Asphalt Pla	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
1	Parking Lo	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747	
1	Parking Lo	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.004463	
1	Parking Lo	Clearing an	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9963	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Parking Lo	Clearing an	Chipper/St	Diesel	100	0.43	1.813608	3.239502	589.2408	0.003513	0.318043	0.2926	0.372367	0.071326	
1	Parking Lo	Clearing an	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Curbing	Curb/Gutte	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.194163	
1	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
1	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.12808	
1	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707	
1	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Drainage -	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
1	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707	
1	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Drainage -	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
1	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
1	Parking Lo	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
1	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
1	Parking Lo	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Excavatior	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.12808	
1	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
1	Parking Lo	Excavatior	Scraper	Diesel	600	0.59	0.625127	1.537038	536.3531	0.002939	0.09397	0.086452	0.157595	0.700528	
1	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
1	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Fencing	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747	
1	Parking Lo	Fencing	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
1	Parking Lo	Grading	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
1	Parking Lo	Grading	Grader	Diesel	300	0.59	0.277031	0.879729	536.3751	0.002726	0.045102	0.041494	0.150319	0.181829	
1	Parking Lo	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
1	Parking Lo	Hydroseec	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Hydroseec	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Markings	Flatbed Tr	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Markings	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Sidewalks	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Sidewalks	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
1	Parking Lo	Sidewalks	Vibratory (	Diesel	6	0.43	4.454263	4.474393	588.4964	0.003967	0.399923	0.367929	0.618084	0.005718	
1	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.016317	
1	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
1	Parking Lo	Street Ligh	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707	
1	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747	
1	Parking Lo	Street Ligh	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
1	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
1	Parking Lo	Subbase P	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Subbase P	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
1	Parking Lo	Topsoil Pla	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
1	Parking Lo	Topsoil Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Tree Plant	Flatbed Tr	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Tree Plant	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Parking Lo	Tree Plant	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Parking Lo	Tree Plant	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
2	Parking Lo	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783	
2	Parking Lo	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Asphalt Pla	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Parking Lo	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	

2	Parking Lo	Asphalt Pl	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753		
2	Parking Lo	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269		
2	Parking Lo	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7254	0.004009	0.353033	0.32479	0.472476	0.006455		
2	Parking Lo	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9963	0.140192	9.748189	8.968334	61.88836	26.30746	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
2	Parking Lo	Clearing a	Chipper/St	Diesel	100	0.43	1.813608	3.239501	589.2408	0.003513	0.318043	0.2926	0.372367	0.582629		
2	Parking Lo	Clearing a	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Concrete F	Air Compr	Diesel	100	0.43	1.240752	2.03963	589.6911	0.00331	0.181569	0.167043	0.223713	0.227364		
2	Parking Lo	Concrete F	Concrete S	Diesel	40	0.59	0.600487	3.398114	595.6245	0.003128	0.085837	0.07897	0.175701	0.00488		
2	Parking Lo	Concrete F	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Concrete F	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535		
2	Parking Lo	Concrete F	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Concrete F	Rubber Tir	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154		
2	Parking Lo	Concrete F	Slip Form I	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783		
2	Parking Lo	Concrete F	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7254	0.004009	0.353033	0.32479	0.472476	0.006455		
2	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Curbing	Curb/Gutt	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783		
2	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535		
2	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829		
2	Parking Lo	Drainage -	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219		
2	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154		
2	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535		
2	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Drainage -	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753		
2	Parking Lo	Drainage -	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154		
2	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535		
2	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Drainage -	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022		
2	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829		
2	Parking Lo	Excavatior	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753		
2	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829		
2	Parking Lo	Excavatior	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Excavatior	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219		
2	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753		
2	Parking Lo	Excavatior	Scraper	Diesel	600	0.59	0.625128	1.537038	536.3531	0.002939	0.09397	0.086452	0.157595	1.01305		
2	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829		
2	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Fencing	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535		
2	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269		
2	Parking Lo	Fencing	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022		
2	Parking Lo	Grading	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829		
2	Parking Lo	Grading	Grader	Diesel	300	0.59	0.27703	0.87973	536.3751	0.002726	0.045102	0.041494	0.150319	0.262948		
2	Parking Lo	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753		
2	Parking Lo	Hydroseec	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Hydroseec	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Markings	Flatbed Tri	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Markings	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535		
2	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Sidewalks	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Sidewalks	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022		
2	Parking Lo	Sidewalks	Vibratory C	Diesel	6	0.43	4.454262	4.474392	588.4963	0.003967	0.399923	0.357929	0.618084	0.008269		
2	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535		
2	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963		
2	Parking Lo	Soil Erosio	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022		
2	Parking Lo	Street Ligh	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154		
2	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535		
2	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269		
2	Parking Lo	Street Ligh	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022		
2	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829		
2	Parking Lo	Subbase P	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Subbase P	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753		
2	Parking Lo	Topsoil Pl	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829		
2	Parking Lo	Topsoil Pl	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Tree Plant	Flatbed Tri	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Tree Plant	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535		
2	Parking Lo	Tree Plant	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991		
2	Parking Lo	Tree Plant	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022		
3	Access Ro	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
3	Access Ro	Asphalt Pl	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Asphalt Pl	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Access Ro	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Asphalt Pl	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Access Ro	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
3	Access Ro	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347		
3	Access Ro	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
3	Access Ro	Clearing a	Chipper/St	Diesel	100	0.43	1.6976	3.014011	589.3093	0.003468	0.294053	0.270529	0.349775	0.06497		
3	Access Ro	Clearing a	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.195896		
3	Access Ro	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313193	595.6491	0.003072	0.071525	0.065803	0.167578	0.002531		
3	Access Ro	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Access Ro	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
3	Access Ro	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
3	Access Ro	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347		
3	Access Ro	Curbing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Curbing	Curb/Gutt	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
3	Access Ro	Curbing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Access Ro	Curbing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
3	Access Ro	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
3	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
3	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Drainage -	Tractors/L	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
3	Access Ro	Dust Contr	Water Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Access Ro	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Access Ro	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
3	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Access Ro	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.3629	0.002882	0.080485	0.074046	0.154332	0.584119		
3	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Access Ro	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Fencing	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
3	Access Ro	Fencing	Tractors/L	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
3	Access Ro	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Access Ro	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.142081		
3	Access Ro	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Access Ro	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Markings	Flatbed Tri	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Access Ro	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Ro	Sidewalks	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		

3	Access Ro	Sidewalks	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Sidewalks	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Sidewalks	Tractors/L	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001	
3	Access Ro	Sidewalks	Vibratory (	Diesel	6	0.43	4.454483	4.442997	588.5147	0.003967	0.38997	0.358772	0.61206	0.004647	
3	Access Ro	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379	
3	Access Ro	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554	
3	Access Ro	Soil Erosio	Tractors/L	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001	
3	Access Ro	Street Ligh	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Street Ligh	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348	
3	Access Ro	Street Ligh	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379	
3	Access Ro	Street Ligh	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Street Ligh	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128	
3	Access Ro	Street Ligh	Tractors/L	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001	
3	Access Ro	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129	
3	Access Ro	Subbase P	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166	
3	Access Ro	Topsoil Pl	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129	
3	Access Ro	Topsoil Pl	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Tree Plant	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Tree Plant	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379	
3	Access Ro	Tree Plant	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Tree Plant	Tractors/L	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001	
4	Access Ro	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869	
4	Access Ro	Asphalt Pl	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Asphalt Pl	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Asphalt Pl	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652	
4	Access Ro	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841	
4	Access Ro	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	26.30746	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Access Ro	Clearing a	Chipper/St	Diesel	100	0.43	1.6976	3.01401	589.3092	0.003468	0.294053	0.270529	0.349775	0.530708	
4	Access Ro	Clearing a	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.191638	
4	Access Ro	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313194	595.6491	0.003072	0.071525	0.065803	0.167578	0.00366	
4	Access Ro	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
4	Access Ro	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869	
4	Access Ro	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841	
4	Access Ro	Curbing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Curbing	Curb/Gutt	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869	
4	Access Ro	Curbing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Curbing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043	
4	Access Ro	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
4	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
4	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Drainage -	Tractors/L	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Access Ro	Dust Contr	Water Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043	
4	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.363	0.002882	0.080485	0.074046	0.154332	0.844709	
4	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Fencing	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652	
4	Access Ro	Fencing	Tractors/L	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Access Ro	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.205466	
4	Access Ro	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Markings	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Sidewalks	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Sidewalks	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Sidewalks	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Sidewalks	Tractors/L	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Access Ro	Sidewalks	Vibratory (	Diesel	6	0.43	4.454482	4.442996	588.5146	0.003967	0.38997	0.358772	0.61206	0.006719	
4	Access Ro	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259	
4	Access Ro	Soil Erosio	Tractors/L	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Access Ro	Street Ligh	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Street Ligh	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
4	Access Ro	Street Ligh	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Street Ligh	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Street Ligh	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652	
4	Access Ro	Street Ligh	Tractors/L	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Access Ro	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Subbase P	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Topsoil Pl	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Topsoil Pl	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Tree Plant	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Tree Plant	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Tree Plant	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Tree Plant	Tractors/L	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Building -	Concrete F	Backhoe	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Building -	Concrete F	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259	
4	Building -	Concrete F	Concrete F	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Concrete F	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043	
4	Building -	Concrete F	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439	
4	Building -	Concrete F	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Concrete F	Tractor Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Constructi	Survey Cre	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Constructi	Tractor Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Exterior W	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439	
4	Building -	Exterior W	Generator	Diesel	40	0.43	1.172554	4.04426	589.4126	0.003426	0.225203	0.207187	0.315664	0.0465	
4	Building -	Exterior W	Grout Mix	Diesel	600	0.59	0.983412	2.299761	536.2506	0.003073	0.140475	0.129237	0.191425	1.254561	
4	Building -	Exterior W	Grout Wh	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Exterior W	Man Lift	Diesel	75	0.21	3.948786	4.753797	693.6193	0.004193	0.538329	0.495263	0.785422	0.222717	
4	Building -	Exterior W	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Exterior W	Tractor Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Exterior W	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541	
4	Building -	Interior Bu	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439	
4	Building -	Interior Bu	Man Lift	Diesel	75	0.21	3.948786	4.753797	693.6193	0.004193	0.538329	0.495263	0.785422	0.222717	
4	Building -	Interior Bu	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Interior Bu	Tractor Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Roofing	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439	
4	Building -	Roofing	Man Lift	Diesel	75	0.21	3.948786	4.753797	693.6193	0.004193	0.538329	0.495263	0.785422	0.222717	
4	Building -	Roofing	Material D	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Roofing	Tractor Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Roofing	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541	
4	Building -	Security &	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439	
4	Building -	Security &	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Structural	90 Ton Cra	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541	
4	Building -	Structural	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259	
4	Building -	Structural	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	

4	Building - :	Structural	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439		
4	Building - :	Structural	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Building - :	Structural	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Building - :	Structural	Trowel Ma	Diesel	600	0.59	0.983412	2.299761	536.2506	0.003073	0.140475	0.129237	0.191425	1.254561		
4	Building - :	Structural	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541		
4	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869		
4	Terminal A	Asphalt Pl	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Asphalt Pl	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
4	Terminal A	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Asphalt Pl	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
4	Terminal A	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652		
4	Terminal A	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841		
4	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	26.30746	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
4	Terminal A	Clearing ar	Chipper/St	Diesel	100	0.43	1.6976	3.01401	589.3092	0.003468	0.294053	0.270529	0.349775	0.530708		
4	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Concrete F	Air Compre	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.191638		
4	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313194	595.6491	0.003072	0.071525	0.065803	0.167578	0.00366		
4	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
4	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
4	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869		
4	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841		
4	Terminal A	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
4	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043		
4	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
4	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
4	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
4	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
4	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
4	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
4	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
4	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
4	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
4	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043		
4	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
4	Terminal A	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.363	0.002882	0.080485	0.074046	0.154332	0.844709		
4	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
4	Terminal A	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Fencing	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
4	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652		
4	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
4	Terminal A	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
4	Terminal A	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.205466		
4	Terminal A	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
4	Terminal A	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Lighting	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Lighting	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
4	Terminal A	Lighting	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
4	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652		
4	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
4	Terminal A	Markings	Flatbed Tri	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
4	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
4	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
4	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259		
4	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
4	Terminal A	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
4	Terminal A	Subbase P	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
4	Terminal A	Topsoil Pl	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
4	Terminal A	Topsoil Pl	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Terminal A	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
5	Building - :	Concrete F	Backhoe	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
5	Building - :	Concrete F	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554		
5	Building - :	Concrete F	Concrete F	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Concrete F	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
5	Building - :	Concrete F	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
5	Building - :	Concrete F	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Concrete F	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Constructi	Survey Cre	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Constructi	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Exterior W	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
5	Building - :	Exterior W	Generator	Diesel	40	0.43	1.172554	4.04426	589.4126	0.003426	0.225203	0.207187	0.315664	0.047533		
5	Building - :	Exterior W	Grout Mix	Diesel	600	0.59	0.983412	2.29976	536.2506	0.003073	0.140475	0.129237	0.191425	0.867533		
5	Building - :	Exterior W	Grout Wh	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Exterior W	Man Lift	Diesel	75	0.21	3.948787	4.753796	693.6192	0.004193	0.538329	0.495263	0.785422	0.152536		
5	Building - :	Exterior W	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Exterior W	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Exterior W	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
5	Building - :	Interior Bu	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
5	Building - :	Interior Bu	Man Lift	Diesel	75	0.21	3.948787	4.753796	693.6192	0.004193	0.538329	0.495263	0.785422	0.152536		
5	Building - :	Interior Bu	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Interior Bu	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Roofing	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
5	Building - :	Roofing	Man Lift	Diesel	75	0.21	3.948787	4.753796	693.6192	0.004193	0.538329	0.495263	0.785422	0.152536		
5	Building - :	Roofing	Material D	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Roofing	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Roofing	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
5	Building - :	Security &	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
5	Building - :	Security &	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Structural	90 Ton Cra	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
5	Building - :	Structural	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554		
5	Building - :	Structural	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Structural	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
5	Building - :	Structural	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Structural	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Building - :	Structural	Trowel Ma	Diesel	600	0.59	0.983412	2.29976	536.2506	0.003073	0.140475	0.129237	0.191425	0.867533		
5	Building - :	Structural	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
5	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
5	Terminal A	Asphalt Pl	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Terminal A	Asphalt Pl	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
5	Terminal A	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Terminal A	Asphalt Pl	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
5	Terminal A	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
5	Terminal A	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347		
5	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
5	Terminal A	Clearing ar	Chipper/St	Diesel	100	0.43	1.6976	3.014011	589.3093	0.003468	0.294053	0.270529	0.349775	0.06497		
5	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Terminal A	Concrete F	Air Compre	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.195896		
5	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313193	595.6491	0.003072	0.071525	0.065803	0.167578	0.002531		
5	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
5	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
5	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
5	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347		
5	Terminal A	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
5	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Terminal A	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
5	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
5	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
5	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
5	Terminal A	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		

5	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348
5	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379
5	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001
5	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129
5	Terminal A	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166
5	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129
5	Terminal A	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915
5	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166
5	Terminal A	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.3629	0.002882	0.080485	0.074046	0.154332	0.584119
5	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129
5	Terminal A	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Fencing	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379
5	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128
5	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001
5	Terminal A	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129
5	Terminal A	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.142081
5	Terminal A	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166
5	Terminal A	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Lighting	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Lighting	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348
5	Terminal A	Lighting	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379
5	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128
5	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001
5	Terminal A	Markings	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379
5	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379
5	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379
5	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554
5	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001
5	Terminal A	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129
5	Terminal A	Subbase P	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166
5	Terminal A	Topsoil Pl	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129
5	Terminal A	Topsoil Pl	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112
5	Terminal A	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112

Emission Factors: On-Road (from MOVES)

Scenario IE	Project Ty	Equipmer	Fuel Type	Roadway T	CO(g/mi)	NOx(g/mi)	CO2(g/mi)	SO2(g/mi)	PM10(g/m	PM2.5(g/n	CH4(g/mi)	N2O(g/mi)	VOC(g/mi)	RV CO(g/v	RV NOx(g/	RV CO2(g/	RV SO2(g/	RV PM10(g	RV PM2.5(	RV VOC(g/	RP VOC(g/veh-day)
1	Parking Lo	Asphalt 18	Diesel	Urban Unr	1.404516	5.277428	2328.797	0.016519	0.248141	0.240705	0.324989	0.065585	0.003463	21.66505	8.245722	384.0371	0.002876	0.032872	0.031887	10.55057	0
1	Parking Lo	Cement M	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
1	Parking Lo	Dump Tru	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
1	Parking Lo	Dump Tru	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
1	Parking Lo	Passenger	Gasoline	Urban Unr	3.372234	0.150575	353.9016	0.006448	0.016421	0.015121	0.069651	0.004417	0.001798	234.9142	3.878955	793.7783	0.014463	0.212381	0.195562	9.503837	0
2	Parking Lo	Asphalt 18	Diesel	Urban Unr	1.404515	4.941793	2465.144	0.017485	0.248211	0.240772	0.329029	0.065585	0.003463	17.81891	0.805381	243.325	0.001822	0.032796	0.031813	10.96748	0
2	Parking Lo	Cement M	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
2	Parking Lo	Dump Tru	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
2	Parking Lo	Dump Tru	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
2	Parking Lo	Passenger	Gasoline	Urban Unr	2.23762	0.184218	377.7739	0.006515	0.004564	0.004202	0.073665	0.00461	0.001798	30.6368	2.529955	314.6944	0.005427	0.035639	0.032817	6.073836	0
3	Access Ro	Asphalt 18	Diesel	Urban Unr	1.261852	4.763609	2328.797	0.016434	0.216748	0.210252	0.294778	0.066706	0.003463	21.66245	8.245557	384.2953	0.002857	0.030039	0.029139	10.62326	0
3	Access Ro	Cement M	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
3	Access Ro	Dump Tru	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
3	Access Ro	Dump Tru	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
3	Access Ro	Passenger	Gasoline	Urban Unr	3.319439	0.136328	348.7876	0.006355	0.016273	0.014984	0.065862	0.004381	0.001767	232.113	3.655801	782.1927	0.014252	0.205093	0.188851	8.822119	0
4	Access Ro	Asphalt 18	Diesel	Urban Unr	1.261851	4.460653	2465.236	0.017396	0.216817	0.21032	0.298819	0.066706	0.003463	17.81678	0.805365	243.4884	0.00181	0.029963	0.029065	11.17232	0
4	Access Ro	Cement M	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Access Ro	Dump Tru	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Access Ro	Dump Tru	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Access Ro	Passenger	Gasoline	Urban Unr	2.19304	0.167364	372.32	0.006421	0.004522	0.004164	0.069766	0.004581	0.001767	30.00233	2.338291	310.1012	0.005348	0.035031	0.032256	5.876798	0
4	Building -	Cement M	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Building -	Dump Tru	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Building -	Passenger	Gasoline	Urban Unr	2.19304	0.167364	372.32	0.006421	0.004522	0.004164	0.069766	0.004581	0.001767	30.00233	2.338291	310.1012	0.005348	0.035031	0.032256	5.876798	0
4	Building -	Tractor Tr	Diesel	Urban Unr	1.261851	4.460653	2465.236	0.017396	0.216817	0.21032	0.298819	0.066706	0.003463	17.81678	0.805365	243.4884	0.00181	0.029963	0.029065	11.17232	0
4	Terminal A	Asphalt 18	Diesel	Urban Unr	1.261851	4.460653	2465.236	0.017396	0.216817	0.21032	0.298819	0.066706	0.003463	17.81678	0.805365	243.4884	0.00181	0.029963	0.029065	11.17232	0
4	Terminal A	Cement M	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Terminal A	Dump Tru	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Terminal A	Dump Tru	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Terminal A	Passenger	Gasoline	Urban Unr	2.19304	0.167364	372.32	0.006421	0.004522	0.004164	0.069766	0.004581	0.001767	30.00233	2.338291	310.1012	0.005348	0.035031	0.032256	5.876798	0
5	Building -	Cement M	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
5	Building -	Dump Tru	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
5	Building -	Passenger	Gasoline	Urban Unr	3.319439	0.136328	348.7876	0.006355	0.016273	0.014984	0.065862	0.004381	0.001767	232.113	3.655801	782.1927	0.014252	0.205093	0.188851	8.822119	0
5	Building -	Tractor Tr	Diesel	Urban Unr	1.261852	4.763609	2328.797	0.016434	0.216748	0.210252	0.294778	0.066706	0.003463	21.66245	8.245557	384.2953	0.002857	0.030039	0.029139	10.62326	0
5	Terminal A	Asphalt 18	Diesel	Urban Unr	1.261852	4.763609	2328.797	0.016434	0.216748	0.210252	0.294778	0.066706	0.003463	21.66245	8.245557	384.2953	0.002857	0.030039	0.029139	10.62326	0
5	Terminal A	Cement M	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
5	Terminal A	Dump Tru	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
5	Terminal A	Dump Tru	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
5	Terminal A	Passenger	Gasoline	Urban Unr	3.319439	0.136328	348.7876	0.006355	0.016273	0.014984	0.065862	0.004381	0.001767	232.113	3.655801	782.1927	0.014252	0.205093	0.188851	8.822119	0

Fugitive Emissions (Emission Factors from Various Sources including AP-42)

Scenario IE	Project	Fugitive T	Variable	Default Va	Units	User Value
1	Parking Lo	Asphalt Dr	A = Area ol	21850.1	m2	
1	Parking Lo	Asphalt Dr	AR = Applii	1.811	l/m2	
1	Parking Lo	Asphalt Dr	VD = Volur	0.35	fraction	
1	Parking Lo	Asphalt Dr	EF = Mass	0.7	fraction	
1	Parking Lo	Asphalt Dr	D = Densit	1.8	lbs/l	
1	Parking Lo	Asphalt Dr	VOC = A x	17450.6	lbs	
1	Parking Lo	Asphalt Sto	T = Mass o	2842.6	tons	
1	Parking Lo	Asphalt Sto	PM10 = (0	77.9	lbs	
1	Parking Lo	Asphalt Sto	CO = (0.4 +	1138.2	lbs	
1	Parking Lo	Asphalt Sto	NOx = (0.0	71.1	lbs	
1	Parking Lo	Asphalt Sto	SOx = (0.0	13.1	lbs	
1	Parking Lo	Asphalt Sto	VOC = (0.0	35.2	lbs	
1	Parking Lo	Material N	s = Surface	0.043	fraction	
1	Parking Lo	Material N	Wt. = Mea	32	tons	
1	Parking Lo	Material N	VMT = Veh	7823.3	miles	
1	Parking Lo	Material N	PM10 = 1.5	214.3	lbs	
1	Parking Lo	Material N	sL = Road s	0.1	g/m3	
1	Parking Lo	Material N	Wt. = Mea	32	tons	
1	Parking Lo	Material N	VMT = Veh	7095	miles	
1	Parking Lo	Material N	PM10 = 0.0	65.9	lbs	
1	Parking Lo	Soil Handli	u = Wind s	5	mph	
1	Parking Lo	Soil Handli	m = Moistu	0.25	fraction	
1	Parking Lo	Soil Handli	T = Mass o	6468	tons	
1	Parking Lo	Soil Handli	PM10 = T >	133.1	lbs	
1	Parking Lo	Unstabilize	A = Area af	5.399	acres	
1	Parking Lo	Unstabilize	TPConv = T	0.5	fraction	
1	Parking Lo	Unstabilize	CE = Contr	0.63	fraction	
1	Parking Lo	Unstabilize	t = year (e.	0.5	years	
1	Parking Lo	Unstabilize	PM10 = 0.3	0	lbs	
2	Parking Lo	Asphalt Dr	A = Area ol	21850.1	m2	
2	Parking Lo	Asphalt Dr	AR = Applii	1.811	l/m2	
2	Parking Lo	Asphalt Dr	VD = Volur	0.35	fraction	
2	Parking Lo	Asphalt Dr	EF = Mass	0.7	fraction	
2	Parking Lo	Asphalt Dr	D = Densit	1.8	lbs/l	
2	Parking Lo	Asphalt Dr	VOC = A x	17450.6	lbs	
2	Parking Lo	Asphalt Sto	T = Mass o	2842.6	tons	
2	Parking Lo	Asphalt Sto	PM10 = (0	77.9	lbs	
2	Parking Lo	Asphalt Sto	CO = (0.4 +	1138.2	lbs	
2	Parking Lo	Asphalt Sto	NOx = (0.0	71.1	lbs	
2	Parking Lo	Asphalt Sto	SOx = (0.0	13.1	lbs	
2	Parking Lo	Asphalt Sto	VOC = (0.0	35.2	lbs	
2	Parking Lo	Material N	s = Surface	0.043	fraction	
2	Parking Lo	Material N	Wt. = Mea	32	tons	
2	Parking Lo	Material N	VMT = Veh	7823.3	miles	

2	Parking Lo	Material N	PM10 = 1.!	214.3	lbs
2	Parking Lo	Material N	sL = Road s	0.1	g/m3
2	Parking Lo	Material N	Wt. = Mea	32	tons
2	Parking Lo	Material N	VMT = Veh	7095	miles
2	Parking Lo	Material N	PM10 = 0.(	65.9	lbs
2	Parking Lo	Concrete F	V = Volum	10878	yd3
2	Parking Lo	Concrete F	PM10 = 0.(	402.5	lbs
2	Parking Lo	Soil Handli	u = Wind s	5	mph
2	Parking Lo	Soil Handli	m = Moistu	0.25	fraction
2	Parking Lo	Soil Handli	T = Mass o	6468	tons
2	Parking Lo	Soil Handli	PM10 = T >	133.1	lbs
2	Parking Lo	Unstabilize	A = Area af	5.399	acres
2	Parking Lo	Unstabilize	TPConv = T	0.5	fraction
2	Parking Lo	Unstabilize	CE = Contr	0.63	fraction
2	Parking Lo	Unstabilize	t = year (e.	0.5	years
2	Parking Lo	Unstabilize	PM10 = 0.:	0	lbs
3	Access Ro	Asphalt Dr	A = Area o	6688.8	m2
3	Access Ro	Asphalt Dr	AR = Applic	1.811	l/m2
3	Access Ro	Asphalt Dr	VD = Volur	0.35	fraction
3	Access Ro	Asphalt Dr	EF = Mass	0.7	fraction
3	Access Ro	Asphalt Dr	D = Densit	1.8	lbs/l
3	Access Ro	Asphalt Dr	VOC = A x	5342	lbs
3	Access Ro	Asphalt Sto	T = Mass o	870.2	tons
3	Access Ro	Asphalt Sto	PM10 = (0	23.9	lbs
3	Access Ro	Asphalt Sto	CO = (0.4 *	348.4	lbs
3	Access Ro	Asphalt Sto	NOx = (0.0	21.8	lbs
3	Access Ro	Asphalt Sto	SOx = (0.0(	4.003	lbs
3	Access Ro	Asphalt Sto	VOC = (0.0	10.8	lbs
3	Access Ro	Material N	s = Surface	0.043	fraction
3	Access Ro	Material N	Wt. = Mea	32	tons
3	Access Ro	Material N	VMT = Veh	3736.6	miles
3	Access Ro	Material N	PM10 = 1.!	102.3	lbs
3	Access Ro	Material N	sL = Road s	0.1	g/m3
3	Access Ro	Material N	Wt. = Mea	32	tons
3	Access Ro	Material N	VMT = Veh	3225	miles
3	Access Ro	Material N	PM10 = 0.(	29.9	lbs
3	Access Ro	Concrete F	V = Volum	3330	yd3
3	Access Ro	Concrete F	PM10 = 0.(	123.2	lbs
3	Access Ro	Unstabilize	A = Area af	1.653	acres
3	Access Ro	Unstabilize	TPConv = T	0.5	fraction
3	Access Ro	Unstabilize	CE = Contr	0.63	fraction
3	Access Ro	Unstabilize	t = year (e.	0.5	years
3	Access Ro	Unstabilize	PM10 = 0.:	0	lbs
3	Access Ro	Soil Handli	u = Wind s	5	mph
3	Access Ro	Soil Handli	m = Moistu	0.25	fraction
3	Access Ro	Soil Handli	T = Mass o	1980	tons
3	Access Ro	Soil Handli	PM10 = T >	40.8	lbs
4	Access Ro	Asphalt Dr	A = Area o	6688.8	m2
4	Access Ro	Asphalt Dr	AR = Applic	1.811	l/m2
4	Access Ro	Asphalt Dr	VD = Volur	0.35	fraction
4	Access Ro	Asphalt Dr	EF = Mass	0.7	fraction
4	Access Ro	Asphalt Dr	D = Densit	1.8	lbs/l
4	Access Ro	Asphalt Dr	VOC = A x	5342	lbs
4	Access Ro	Asphalt Sto	T = Mass o	870.2	tons
4	Access Ro	Asphalt Sto	PM10 = (0	23.9	lbs
4	Access Ro	Asphalt Sto	CO = (0.4 *	348.4	lbs
4	Access Ro	Asphalt Sto	NOx = (0.0	21.8	lbs
4	Access Ro	Asphalt Sto	SOx = (0.0(	4.003	lbs
4	Access Ro	Asphalt Sto	VOC = (0.0	10.8	lbs
4	Access Ro	Material N	s = Surface	0.043	fraction
4	Access Ro	Material N	Wt. = Mea	32	tons
4	Access Ro	Material N	VMT = Veh	3736.6	miles
4	Access Ro	Material N	PM10 = 1.!	102.3	lbs
4	Access Ro	Material N	sL = Road s	0.1	g/m3
4	Access Ro	Material N	Wt. = Mea	32	tons
4	Access Ro	Material N	VMT = Veh	3225	miles
4	Access Ro	Material N	PM10 = 0.(	29.9	lbs
4	Access Ro	Concrete F	V = Volum	3330	yd3
4	Access Ro	Concrete F	PM10 = 0.(	123.2	lbs
4	Access Ro	Unstabilize	A = Area af	1.653	acres
4	Access Ro	Unstabilize	TPConv = T	0.5	fraction
4	Access Ro	Unstabilize	CE = Contr	0.63	fraction
4	Access Ro	Unstabilize	t = year (e.	0.5	years
4	Access Ro	Unstabilize	PM10 = 0.:	0	lbs
4	Access Ro	Soil Handli	u = Wind s	5	mph
4	Access Ro	Soil Handli	m = Moistu	0.25	fraction
4	Access Ro	Soil Handli	T = Mass o	1980	tons
4	Access Ro	Soil Handli	PM10 = T >	40.8	lbs
4	Building - :	Concrete F	V = Volum	4625	yd3
4	Building - :	Concrete F	PM10 = 0.(	171.1	lbs
4	Building - :	Material N	sL = Road s	0.1	g/m3
4	Building - :	Material N	Wt. = Mea	32	tons
4	Building - :	Material N	VMT = Veh	3225	miles
4	Building - :	Material N	PM10 = 0.(	29.9	lbs
4	Building - :	Material N	s = Surface	0.043	fraction
4	Building - :	Material N	Wt. = Mea	32	tons
4	Building - :	Material N	VMT = Veh	3325	miles
4	Building - :	Material N	PM10 = 1.!	91.1	lbs
4	Terminal A	Asphalt Dr	A = Area o	5016.6	m2
4	Terminal A	Asphalt Dr	AR = Applic	1.811	l/m2
4	Terminal A	Asphalt Dr	VD = Volur	0.35	fraction
4	Terminal A	Asphalt Dr	EF = Mass	0.7	fraction
4	Terminal A	Asphalt Dr	D = Densit	1.8	lbs/l
4	Terminal A	Asphalt Dr	VOC = A x	4006.5	lbs
4	Terminal A	Asphalt Sto	T = Mass o	652.6	tons
4	Terminal A	Asphalt Sto	PM10 = (0	17.9	lbs
4	Terminal A	Asphalt Sto	CO = (0.4 *	261.3	lbs
4	Terminal A	Asphalt Sto	NOx = (0.0	16.3	lbs
4	Terminal A	Asphalt Sto	SOx = (0.0(	3.002	lbs
4	Terminal A	Asphalt Sto	VOC = (0.0	8.093	lbs
4	Terminal A	Material N	s = Surface	0.043	fraction
4	Terminal A	Material N	Wt. = Mea	32	tons
4	Terminal A	Material N	VMT = Veh	3401.1	miles
4	Terminal A	Material N	PM10 = 1.!	93.1	lbs
4	Terminal A	Material N	sL = Road s	0.1	g/m3
4	Terminal A	Material N	Wt. = Mea	32	tons
4	Terminal A	Material N	VMT = Veh	3225	miles
4	Terminal A	Material N	PM10 = 0.(	29.9	lbs
4	Terminal A	Concrete F	V = Volum	2497.5	yd3
4	Terminal A	Concrete F	PM10 = 0.(	92.4	lbs
4	Terminal A	Unstabilize	A = Area af	1.24	acres
4	Terminal A	Unstabilize	TPConv = T	0.5	fraction
4	Terminal A	Unstabilize	CE = Contr	0.63	fraction
4	Terminal A	Unstabilize	t = year (e.	0.5	years
4	Terminal A	Unstabilize	PM10 = 0.:	0	lbs
4	Terminal A	Soil Handli	u = Wind s	5	mph
4	Terminal A	Soil Handli	m = Moistu	0.25	fraction
4	Terminal A	Soil Handli	T = Mass o	1485	tons
4	Terminal A	Soil Handli	PM10 = T >	30.6	lbs
5	Building - :	Concrete F	V = Volum	4625	yd3
5	Building - :	Concrete F	PM10 = 0.(	171.1	lbs
5	Building - :	Material N	sL = Road s	0.1	g/m3
5	Building - :	Material N	Wt. = Mea	32	tons
5	Building - :	Material N	VMT = Veh	2580	miles
5	Building - :	Material N	PM10 = 0.(	23.9	lbs
5	Building - :	Material N	s = Surface	0.043	fraction
5	Building - :	Material N	Wt. = Mea	32	tons
5	Building - :	Material N	VMT = Veh	2680	miles
5	Building - :	Material N	PM10 = 1.!	73.4	lbs
5	Terminal A	Asphalt Dr	A = Area o	3344.4	m2
5	Terminal A	Asphalt Dr	AR = Applic	1.811	l/m2
5	Terminal A	Asphalt Dr	VD = Volur	0.35	fraction
5	Terminal A	Asphalt Dr	EF = Mass	0.7	fraction
5	Terminal A	Asphalt Dr	D = Densit	1.8	lbs/l
5	Terminal A	Asphalt Dr	VOC = A x	2671	lbs
5	Terminal A	Asphalt Sto	T = Mass o	435.1	tons
5	Terminal A	Asphalt Sto	PM10 = (0	11.9	lbs
5	Terminal A	Asphalt Sto	CO = (0.4 *	174.2	lbs
5	Terminal A	Asphalt Sto	NOx = (0.0	10.9	lbs
5	Terminal A	Asphalt Sto	SOx = (0.0(	2.001	lbs
5	Terminal A	Asphalt Sto	VOC = (0.0	5.395	lbs
5	Terminal A	Material N	s = Surface	0.043	fraction

5	Terminal A	Material N	Wt. = Mea	32	tons
5	Terminal A	Material N	VMT = Veh	2281.5	miles
5	Terminal A	Material N	PM10 = 1.!	62.5	lbs
5	Terminal A	Material N	sL = Road s	0.1	g/m3
5	Terminal A	Material N	Wt. = Mea	32	tons
5	Terminal A	Material N	VMT = Veh	2150	miles
5	Terminal A	Material N	PM10 = 0.(	20	lbs
5	Terminal A	Concrete I	V = Volum	1665	yd3
5	Terminal A	Concrete I	PM10 = 0.(	61.6	lbs
5	Terminal A	Unstabilize	A = Area al	0.826	acres
5	Terminal A	Unstabilize	TPConv = T	0.5	fraction
5	Terminal A	Unstabilize	CE = Contr	0.63	fraction
5	Terminal A	Unstabilize	t = year (e.	0.333	years
5	Terminal A	Unstabilize	PM10 = 0.:	0	lbs
5	Terminal A	Soil Handli	u = Wind s	5	mph
5	Terminal A	Soil Handli	m = Moistu	0.25	fraction
5	Terminal A	Soil Handli	T = Mass o	990	tons
5	Terminal A	Soil Handli	PM10 = T x	20.4	lbs

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ASSUMPTIONS

Emission factors were developed from the following models:

On-Road Vehicles: MOVES 2010b, revised January 2013

Non-Road Equipment: NONROAD2008a, July 2009

In addition to the overall project size dimensions (e.g., Length and width) provided by the user, an additional 10 ft length and 10 ft width is added to account for disturbance areas.

The number of employees is based on the higher of two methods: (1) number of equipment, and (2) multiply the project cost in million by 11.

The average employee travels 30 miles round-trip from home to construction site each day.

The average on-road material delivery round-trip distance per truck is 40 miles per day.

For calculating fugitive, re-entrained PM emissions from on-road and non-road material delivery and handling equipment, a nominal VMT of 5 miles is used for each vehicle per day.

In deriving emission factors from NONROAD, the horsepower for each equipment represents the most popular in each equipment category.

The total length of each modeled scenario is used to define the number of days associated with vehicle/equipment evaporative emissions.

The choice of location and season are assumed to adequately represent differences in fuel characteristics affecting emissions.

Only two seasons (Summer and Winter) are used to represent all seasons.

14 U.S. Counties are used to represent all other counties in the U.S. (all other counties are mapped to the 14).

The default methods assume that all construction equipment use diesel as well as heavy-duty on-road vehicles, while passenger vehicles (including motorcycles) use gasoline.

Fugitive emissions are only modeled for:

- Asphalt drying
- Asphalt storage and batching
- Concrete mixing/batching
- Soil handling
- Unstabilized land and wind erosion
- Material movement (unpaved roads)
- Material movement (paved roads)

On-Road vehicle speeds are not explicitly modeled. The associated emission factors for each modeled vehicle from MOVES represent averages over the driving cycles, the roadway type, and daily temperature variations.

The default equipment hours-of-use data are developed based on the overall size of the project provided by the user and activity rates based on expert engineering judgment.

Under the Construction Activity Type list (Activity Tab), when a choice between asphalt and concrete materials occurs, asphalt is always selected as default. To choose concrete, de-select the aphalt item and select the corresponding concrete item.

Two trips per day were assumed for each on-road material handling trucks.

Only CO2, CH4, and N2O are used to represent greenhouse gas emissions. Other potential greenhouse gases including air conditioning refrigerants were not included.

The following equipment are always modeled using diesel emission factors since gasoline-based emission factors are not available:

- Asphalt Deliveries/Ten Wheelers
- Bulldozer
- Concrete Ready Mix Trucks
- Concrete Ready Trucks Mix for Cores
- Concrete Truck
- Crack Filler (Trailer Mounted)
- Delivery of Tanks (3)
- Distributing Tanker
- Dozer
- Dump Truck
- Dump Truck (12 cy)
- Excavator
- Excavator for U/G Services/Tanks
- Flat Bed or Dump Trucks
- Flatbed Truck
- Grader
- Grout Wheel Truck
- Hoist Equipment with 40 Ton Rig
- Hydralic Hammer
- Hydroseeder
- Line Painting Truck and Sprayer
- Material Deliveries
- Off-Road Truck
- Pickup Truck
- Scraper
- Seed Truck Spreader
- Small Dozer
- Survey Crew Trucks
- Ten Wheelers
- Ten Wheelers- Material Delivery
- Tool Truck
- Tractor Trailer- Equipment Delivery
- Tractor Trailer- Material Delivery
- Tractor Trailer- Steel Deliveries
- Tractor Trailer- Stone Delivery
- Tractor Trailer- Topsoil & Seed
- Tractor Trailer- Truck Delivery
- Tractor Trailer with Boom Hoist- Curbs Del & Place
- Tractor Trailer with Boom Hoist- Delivery
- Tractor Trailers- Rebar Deliveries
- Tractor Trailers Temp Fac.
- Truck for Topsoil & Seed Del&Spread
- Water Truck
- Excavator with Bucket
- Excavator with Hoe Ram

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ALTERNATIVE 2 - AQ & GHG Construction Emissions

Airport Construction Emissions Inventory Tool (ACEIT)
Version 1.0
Run Date & Time: 11/5/2018 3:58:52 PM

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STUDY

Study Name

Alternative 1c

Study Description

Construct Loop Rd Terminal Apron

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EMISSIONS INVENTORY - SUMMARY

Total Emissions by Year
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Year	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
2019	24.75498	13.47505	0.080759	2.493905	0.670795	35.5302	7804.771	0.250555	0.038379
2020	22.99255	11.40876	0.06765	1.870353	0.55646	20.47288	7619.388	0.201319	0.027771

Total Emissions by Source Categories
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases Emission: Metric Ton

Year	Emission S	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
2019	NonRoad	5.447199	11.57506	0.036105	0.651084	0.598997	2.228049	6432.683	--	--
2019	OnRoad	17.18098	1.767183	0.020154	0.075721	0.071798	0.62785	1372.088	0.250555	0.038379
2019	Fugitive	2.1268	0.1328	0.0245	1.7671	--	32.6743	--	--	--
2019	TOTAL	24.75498	13.47505	0.080759	2.493905	0.670795	35.5302	7804.771	0.250555	0.038379
2020	NonRoad	4.674956	10.0844	0.035769	0.546306	0.502601	2.13993	6454.515	--	--
2020	OnRoad	17.1635	1.25226	0.01858	0.057247	0.053858	0.601857	1164.872	0.201319	0.027771
2020	Fugitive	1.1541	0.0721	0.013301	1.2668	--	17.7311	--	--	--
2020	TOTAL	22.99255	11.40876	0.06765	1.870353	0.55646	20.47288	7619.388	0.201319	0.027771

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EMISSIONS INVENTORY - DETAILS:

Non-Road Sources
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Scenario Id	Year	Project	Constructi	Equipmen	Fuel	HP	Averag	Load Factc	Hours of A	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	
1	2019	Building - :	Concrete F	Backhoe	Diesel	100	0.21	480	0.047376	0.037218	4.55E-05	0.006651	0.006119	0.007588	6.995044		
1	2019	Building - :	Concrete F	Concrete F	Diesel	11	0.43	180	0.004188	0.004365	3.72E-06	0.000406	0.000374	0.000613	0.500961		
1	2019	Building - :	Concrete F	Concrete F	Diesel	600	0.59	360	0.034144	0.102066	0.000375	0.004186	0.003851	0.020047	68.35869		
1	2019	Building - :	Concrete F	Excavator	Diesel	175	0.59	160	0.006121	0.014939	4.98E-05	0.001217	0.00112	0.00276	8.860905		
1	2019	Building - :	Concrete F	Fork Truck	Diesel	100	0.59	480	0.015196	0.013885	9.06E-05	0.000804	0.000739	0.004402	16.87107		
1	2019	Building - :	Concrete F	Tool Truck	Diesel	600	0.59	120	0.011381	0.034022	0.000125	0.001395	0.001284	0.006707	22.78623		
1	2019	Building - :	Concrete F	Tractor Tra	Diesel	600	0.59	240	0.022763	0.068044	0.00025	0.002791	0.002568	0.013377	45.57246		
1	2019	Building - :	Constructi	Survey Cre	Diesel	600	0.59	10	0.000948	0.002835	1.04E-05	0.000116	0.000107	0.000593	1.898852		
1	2019	Building - :	Constructi	Tractor Tra	Diesel	600	0.59	4	0.000379	0.001134	4.16E-06	4.65E-05	4.28E-05	0.000259	0.759541		
1	2019	Building - :	Exterior W	Fork Truck	Diesel	100	0.59	840	0.026593	0.024298	0.000159	0.001406	0.001294	0.007702	29.52437		
1	2019	Building - :	Exterior W	Generator	Diesel	40	0.43	80	0.001952	0.006305	5.28E-06	0.000377	0.000347	0.000524	0.81093		
1	2019	Building - :	Exterior W	Grout Mixe	Diesel	600	0.59	420	0.17651	0.412766	0.000511	0.025156	0.023143	0.032667	79.72656		
1	2019	Building - :	Exterior W	Grout Whe	Diesel	600	0.59	160	0.015175	0.045363	0.000166	0.001861	0.001712	0.00893	30.38164		
1	2019	Building - :	Exterior W	Man Lift	Diesel	75	0.21	1680	0.12289	0.143431	0.000124	0.017009	0.015649	0.024769	18.34812		
1	2019	Building - :	Exterior W	Tool Truck	Diesel	600	0.59	420	0.039834	0.119077	0.000437	0.004884	0.004493	0.023382	79.7518		
1	2019	Building - :	Exterior W	Tractor Tra	Diesel	600	0.59	840	0.079669	0.238155	0.000874	0.009768	0.008986	0.046726	159.5036		
1	2019	Building - :	Exterior W	Truck Tow	Diesel	300	0.43	80	0.003172	0.01437	3.22E-05	0.000627	0.000577	0.001889	5.47528		
1	2019	Building - :	Interior Bu	Fork Truck	Diesel	100	0.59	1600	0.050653	0.046282	0.000302	0.002679	0.002464	0.014668	56.23689		
1	2019	Building - :	Interior Bu	Man Lift	Diesel	75	0.21	3200	0.234076	0.273201	0.000236	0.032399	0.029807	0.047158	34.94879		
1	2019	Building - :	Interior Bu	Tool Truck	Diesel	600	0.59	1600	0.15175	0.453628	0.001665	0.018605	0.017117	0.088969	303.8164		
1	2019	Building - :	Interior Bu	Tractor Tra	Diesel	600	0.59	1600	0.15175	0.453628	0.001665	0.018605	0.017117	0.088969	303.8164		
1	2019	Building - :	Roofing	High Lift	Diesel	100	0.59	160	0.005065	0.004628	3.02E-05	0.000268	0.000246	0.001469	5.623689		
1	2019	Building - :	Roofing	Man Lift	Diesel	75	0.21	40	0.002926	0.003415	2.95E-06	0.000405	0.000373	0.000613	0.43686		
1	2019	Building - :	Roofing	Material D	Diesel	600	0.59	60	0.005691	0.017011	6.24E-05	0.000698	0.000642	0.003372	11.39311		
1	2019	Building - :	Roofing	Tractor Tra	Diesel	600	0.59	40	0.003794	0.011341	4.16E-05	0.000465	0.000428	0.00226	7.59541		
1	2019	Building - :	Roofing	Truck Tow	Diesel	300	0.43	120	0.004758	0.021555	4.83E-05	0.000941	0.000866	0.002813	8.21292		
1	2019	Building - :	Security &	High Lift	Diesel	100	0.59	800	0.025326	0.023141	0.000151	0.001339	0.001232	0.007335	28.11845		
1	2019	Building - :	Security &	Tool Truck	Diesel	600	0.59	800	0.075875	0.226814	0.000832	0.009303	0.008558	0.044503	151.9082		
1	2019	Building - :	Structural	90 Ton Cra	Diesel	300	0.43	240	0.009515	0.043111	9.65E-05	0.001882	0.001732	0.005585	16.42584		
1	2019	Building - :	Structural	Concrete F	Diesel	11	0.43	60	0.001396	0.001455	1.24E-06	0.000135	0.000125	0.000206	0.166987		
1	2019	Building - :	Structural	Concrete T	Diesel	600	0.59	60	0.005691	0.017011	6.24E-05	0.000698	0.000642	0.003372	11.39311		
1	2019	Building - :	Structural	Fork Truck	Diesel	100	0.59	640	0.020261	0.018513	0.000121	0.001071	0.000986	0.005869	22.49476		
1	2019	Building - :	Structural	Tool Truck	Diesel	600	0.59	160	0.015175	0.045363	0.000166	0.001861	0.001712	0.00893	30.38164		
1	2019	Building - :	Structural	Tractor Tra	Diesel	600	0.59	360	0.034144	0.102066	0.000375	0.004186	0.003851	0.020047	68.35869		
1	2019	Building - :	Structural	Trowel Ma	Diesel	600	0.59	40	0.016811	0.039311	4.87E-05	0.002396	0.002204	0.003235	7.593006		
1	2019	Building - :	Structural	Truck Tow	Diesel	300	0.43	720	0.028546	0.129333	0.00029	0.005647	0.005196	0.016676	49.27752		
1	2019	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	32.88375	0.001905	0.004402	1.07E-05	0.000429	0.000395	0.000647	1.82097		
1	2019	Parking Lo	Asphalt Pl	Dump Truc	Diesel	600	0.59	118.4333	0.011233	0.033578	0.000123	0.001377	0.001267	0.00662	22.48874		
1	2019	Parking Lo	Asphalt Pl	Other Gen	Diesel	175	0.43	65.7675	0.002383	0.008724	1.61E-05	0.000585	0.000538	0.00103	2.625386		
1	2019	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	600	0.59	32.88375	0.003119	0.009323	3.42E-05	0.000382	0.000352	0.001865	6.244139		
1	2019	Parking Lo	Asphalt Pl	Roller	Diesel	100	0.59	32.88375	0.003241	0.003267	6.90E-06	0.000408	0.000375	0.000419	1.155538		
1	2019	Parking Lo	Asphalt Pl	Skid Steer	Diesel	75	0.21	32.88375	0.002628	0.002755	2.42E-06	0.000388	0.000357	0.000571	0.359049		
1	2019	Parking Lo	Asphalt Pl	Surfacing E	Diesel	25	0.59	42.0912	0.001634	0.003051	2.74E-06	0.000242	0.000222	0.000324	0.369232		
1	2019	Parking Lo	Clearing ar	Chain Saw	Diesel	11	0.7	69.6	0.173407	0.000782	8.28E-05	0.005759	0.005298	0.040221	0.367639	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
1	2019	Parking Lo	Clearing ar	Chipper/Sh	Diesel	100	0.43	69.6	0.005983	0.010687	1.16E-05	0.001049	0.000965	0.001239	1.76348		
1	2019	Parking Lo	Clearing ar	Pickup Tru	Diesel	600	0.59	92.8	0.008802	0.02631	9.65E-05	0.001079	0.000993	0.005195	17.62135		
1	2019	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	24	0.002276	0.006804	2.50E-05	0.000279	0.000257	0.001371	4.557246		
1	2019	Parking Lo	Curbing	Curb/Gutt	Diesel	175	0.59	24	0.00139	0.003213	7.83E-06	0.000313	0.000288	0.00048	1.329023		
1	2019	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	24	0.00087	0.003183	5.87E-06	0.000214	0.000196	0.000395	0.958061		
1	2019	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	24	0.002276	0.006804	2.50E-05	0.000279	0.000257	0.001371	4.557246		
1	2019	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	38.72	0.001902	0.00443	1.24E-05	0.000413	0.00038	0.000721	2.144248		
1	2019	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	38.72	0.003672	0.010978	4.03E-05	0.00045	0.000414	0.002189	7.352357		
1	2019	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	38.72	0.001481	0.003615	1.20E-05	0.000295	0.000271	0.000682	2.144339		
1	2019	Parking Lo	Drainage -	Loader	Diesel	175	0.59	38.72	0.002452	0.005721	1.28E-05	0.000562	0.000517	0.000783	2.144094		
1	2019	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	38.72	0.001403	0.005136	9.47E-06	0.000344	0.000317	0.000619	1.545671		
1	2019	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	38.72	0.003672	0.010978	4.03E-05	0.00045	0.000414	0.002189	7.352357		
1	2019	Parking Lo	Drainage -	Roller	Diesel	100	0.59	38.72	0.003817	0.003847	8.12E-06	0.00048	0.000442	0.00049	1.360624		
1	2019	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	64.53333	0.006121	0.018296	6.71E-05	0.00075	0.00069	0.003624	12.25393		
1	2019	Parking Lo	Drainage -	Loader	Diesel	175	0.59	64.53333	0.004087	0.009535	2.13E-05	0.000936	0.000861	0.001285	3.573489		
1	2019	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	64.53333	0.002338	0.00856	1.58E-05	0.000574	0.000528	0.001011	2.576119		
1	2019	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	64.53333	0.006121	0.018296	6.71E-05	0.00075	0.00069	0.003624	12.25393		
1	2019	Parking Lo	Drainage -	Tractors/Lo	Diesel	100	0.21	64.53333	0.006369	0.005004	6.12E-06	0.000894	0.000823	0.001093	0.940445		
1	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	146.1507	0.007178	0.01672	4.67E-05	0.001558	0.001433	0.002653	8.093576		
1	2019	Parking Lo	Excavation	Dump Truc	Diesel	600	0.59	146.1507	0.013861	0.041436	0.000152	0.001699	0.001564	0.008161	27.75186		
1	2019	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	146.1507	0.013861	0.041436	0.000152	0.001699	0.001564	0.008161	27.75186		
1	2019	Parking Lo	Excavation	Roller	Diesel	100	0.59	67.45415	0.006649	0.006702	1.41E-05	0.000837	0.00077	0.000836	2.370345		
1	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	109.613	0.005384	0.01254	3.50E-05	0.001168	0.001075	0.001996	6.070182		
1	2019	Parking Lo	Excavation	Dump Truc	Diesel	600	0.59	292.3013	0.027723	0.082873	0.000304	0.003399	0.003127	0.016284	55.50371		
1	2019	Parking Lo	Excavation	Excavator	Diesel	175	0.59	87.6904	0.003355	0.008188	2.73E-05	0.000667	0.000614	0.001521	4.856352		
1	2019	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	87.6904	0.008317	0.024862	9.12E-05	0.00102	0.000938	0.004911	16.65111		
1	2019	Parking Lo	Excavation	Roller	Diesel	100	0.59	87.6904	0.008644	0.008712	1.84E-05	0.001088	0.001001	0.00108	3.081449		
1	2019	Parking Lo	Excavation	Scraper	Diesel	600	0.59	109.613	0.026739	0.065744	0.000126	0.004019	0.003698	0.00684	20.81211		
1	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	41.26588	0.002027	0.004721	1.32E-05	0.00044	0.000405	0.000766	2.285235		
1	2019	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	13.33333	0.001265	0.00378	1.39E-05	0.000155	0.000143	0.000778	2.531803		
1	2019	Parking Lo	Fencing	Dump Truc	Diesel	600	0.59	53.33333	0.005058	0.015121	5.55E-05	0.00062	0.000571	0.003002	10.12721		
1	2019	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	53.33333	0.001933	0.007074	1.30E-05	0.000474	0.000436	0.000841	2.129024		
1	2019	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	53.33333	0.005058	0.015121	5.55E-05	0.00062	0.000571	0.003002	10.12721		
1	2019	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	53.33333	0.004262	0.004468	3.93E-06	0.00063	0.000579	0.000893	0.582332		
1	2019	Parking Lo	Fencing	Tractors/Lo	Diesel	100	0.21	53.33333	0.005264	0.004135	5.06E-06	0.000739	0.00068	0.000918	0.777227		
1	2019	Parking Lo	Grading	Dozer	Diesel	175	0.59	27.8693	0.001369	0.003188	8.90E-06	0.000297	0.000273	0.000525	1.543355		
1	2019	Parking Lo	Grading	Grader	Diesel	300	0.59	27.8693	0.001506	0.004784	1.48E-05	0.000245	0.000226	0.000843	2.645866		
1	2019	Parking Lo	Grading	Roller	Diesel	100	0.59	27.8693	0.002747	0.002769	5.84E-06	0.000346	0.000318	0.000359	0.97933		
1	2019	Parking Lo	Hydroseed	Hydroseed	Diesel	600	0.59	25.1075	0.002381	0.007118	2.61E-05	0.000292	0.000269	0.001433	4.767544		
1	2019	Parking Lo	Hydroseed	Off-Road T	Diesel	600	0.59	25.1075	0.002381	0.007118	2.61E-05	0.000292	0.000269	0.001433	4.767544		
1	2019	Parking Lo	Markings	Flatbed Tr	Diesel	600	0.59	6.388571	0.000606	0.001811	6.65E-06	7.43E-05	6.83E-05	0.000392	1.213095		
1	2019	Parking Lo	Markings	Other Gen	Diesel	175	0.43	6.388571	0.000231	0.000847	1.56E-06	5.68E-05	5.23E-05	0.000128	0.255027		
1	2019	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	6.388571	0.000606	0.001811	6.65E-06	7.43E-05	6.83E-05	0.000392	1.213095		
1	2019	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002705	9.114492		
1	2019	Parking Lo	Sidewalks	Dump Truc	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002705	9.114492		

1	2019	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002705	9.114492	
1	2019	Parking Lo	Sidewalks	Tractors/Lo	Diesel	100	0.21	48	0.004738	0.003722	4.55E-06	0.000665	0.000612	0.000834	0.699504	
1	2019	Parking Lo	Sidewalks	Vibratory (	Diesel	6	0.43	48	0.000608	0.000611	5.42E-07	5.46E-05	5.02E-05	8.52E-05	0.072879	
1	2019	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	23.2	0.000841	0.003077	5.67E-06	0.000206	0.00019	0.000383	0.926125	
1	2019	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	46.4	0.004401	0.013155	4.83E-05	0.00054	0.000496	0.002616	8.810676	
1	2019	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	23.2	0.00054	0.000563	4.80E-07	5.23E-05	4.81E-05	8.11E-05	0.064568	
1	2019	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	100	0.21	23.2	0.00229	0.001799	2.20E-06	0.000321	0.000296	0.000447	0.338094	
1	2019	Parking Lo	Street Ligh	Dump Tru	Diesel	600	0.59	15.73333	0.001492	0.004461	1.64E-05	0.000183	0.000168	0.000912	2.987528	
1	2019	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	15.73333	0.000997	0.002325	5.20E-06	0.000228	0.00021	0.000336	0.871223	
1	2019	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	15.73333	0.00057	0.002087	3.85E-06	0.00014	0.000129	0.00027	0.628062	
1	2019	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	15.73333	0.001492	0.004461	1.64E-05	0.000183	0.000168	0.000912	2.987528	
1	2019	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	15.73333	0.001257	0.001318	1.16E-06	0.000186	0.000171	0.000301	0.171788	
1	2019	Parking Lo	Street Ligh	Tractors/Lo	Diesel	100	0.21	15.73333	0.001553	0.00122	1.49E-06	0.000218	0.000201	0.00033	0.229282	
1	2019	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	55.38316	0.00272	0.006336	1.77E-05	0.00059	0.000543	0.00102	3.067025	
1	2019	Parking Lo	Subbase P	Dump Tru	Diesel	600	0.59	389.7333	0.036964	0.110496	0.000405	0.004532	0.004169	0.021699	74.00461	
1	2019	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	55.38316	0.005253	0.015702	5.76E-05	0.000644	0.000592	0.003115	10.51644	
1	2019	Parking Lo	Subbase P	Roller	Diesel	100	0.59	53.96308	0.005319	0.005361	1.13E-05	0.00067	0.000616	0.000673	1.896267	
1	2019	Parking Lo	Topsoil Pla	Dozer	Diesel	175	0.59	61.932	0.003042	0.007085	1.98E-05	0.00066	0.000607	0.001138	3.429689	
1	2019	Parking Lo	Topsoil Pla	Dump Tru	Diesel	600	0.59	61.932	0.005874	0.017559	6.44E-05	0.00072	0.000663	0.003479	11.75997	
1	2019	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	600	0.59	61.932	0.005874	0.017559	6.44E-05	0.00072	0.000663	0.003479	11.75997	
1	2019	Parking Lo	Tree Planti	Flatbed Tr	Diesel	600	0.59	0	0	0	0	0	0	3.72E-05	0	
1	2019	Parking Lo	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	3.06E-05	0	
1	2019	Parking Lo	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	3.72E-05	0	
1	2019	Parking Lo	Tree Planti	Tractors/Lo	Diesel	100	0.21	0	0	0	0	0	0	8.40E-05	0	
1	2019	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	28.09688	0.001628	0.003761	9.17E-06	0.000367	0.000337	0.000557	1.555892	
1	2019	Terminal A	Asphalt Pla	Dump Tru	Diesel	600	0.59	101.193	0.009598	0.02869	0.000105	0.001177	0.001083	0.005662	19.21506	
1	2019	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	56.19375	0.002036	0.007454	1.37E-05	0.0005	0.00046	0.000885	2.243209	
1	2019	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	28.09688	0.002665	0.007966	2.92E-05	0.000327	0.000301	0.001599	5.335182	
1	2019	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	28.09688	0.00277	0.002791	5.89E-06	0.000349	0.000321	0.000361	0.987327	
1	2019	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	28.09688	0.002246	0.002354	2.07E-06	0.000332	0.000305	0.000496	0.306782	
1	2019	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	35.964	0.001396	0.002607	2.34E-06	0.000206	0.00019	0.000277	0.315483	
1	2019	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	60	0.149489	0.000674	7.14E-05	0.004964	0.004567	0.035178	0.31693	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	2019	Terminal A	Clearing ar	Chipper/SI	Diesel	100	0.43	60	0.005158	0.009213	9.99E-06	0.000905	0.000832	0.001069	1.520241	
1	2019	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	80	0.007588	0.022681	8.32E-05	0.00093	0.000856	0.004484	15.19082	
1	2019	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	74.9248	0.004406	0.007244	1.18E-05	0.000645	0.000593	0.000828	1.899847	
1	2019	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	74.9248	0.00117	0.006623	6.10E-06	0.000167	0.000154	0.000343	1.053198	
1	2019	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	312.1867	0.029609	0.08851	0.000325	0.00363	0.00334	0.017389	59.27964	
1	2019	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	149.8496	0.00543	0.019877	3.67E-05	0.001333	0.001226	0.002308	5.981875	
1	2019	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	224.7744	0.021318	0.063728	0.000234	0.002614	0.002405	0.012531	42.68134	
1	2019	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	74.9248	0.004746	0.011071	2.48E-05	0.001087	0.001	0.001487	4.14891	
1	2019	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	74.9248	0.00434	0.010031	2.44E-05	0.000978	0.0009	0.001439	4.149034	
1	2019	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	74.9248	0.002908	0.005432	4.88E-06	0.00043	0.000396	0.000576	0.657255	
1	2019	Terminal A	Drainage -	Dozer	Diesel	175	0.59	5.12	0.000251	0.000586	1.64E-06	5.46E-05	5.02E-05	0.000116	0.283537	
1	2019	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	5.12	0.000486	0.001452	5.33E-06	5.95E-05	5.48E-05	0.000322	0.972212	
1	2019	Terminal A	Drainage -	Excavator	Diesel	175	0.59	5.12	0.000196	0.000478	1.59E-06	3.90E-05	3.58E-05	0.000106	0.283549	
1	2019	Terminal A	Drainage -	Loader	Diesel	175	0.59	5.12	0.000324	0.000757	1.69E-06	7.43E-05	6.83E-05	0.00013	0.283517	
1	2019	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	5.12	0.000186	0.000679	1.25E-06	4.55E-05	4.19E-05	0.000108	0.204386	
1	2019	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	5.12	0.000486	0.001452	5.33E-06	5.95E-05	5.48E-05	0.000322	0.972212	
1	2019	Terminal A	Drainage -	Roller	Diesel	100	0.59	5.12	0.000505	0.000509	1.07E-06	6.35E-05	5.84E-05	8.41E-05	0.179917	
1	2019	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	2.844444	0.00027	0.000806	2.96E-06	3.31E-05	3.04E-05	0.000195	0.540118	
1	2019	Terminal A	Drainage -	Loader	Diesel	175	0.59	2.844444	0.00018	0.00042	9.40E-07	4.13E-05	3.80E-05	8.54E-05	0.157509	
1	2019	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	2.844444	0.000103	0.000377	6.96E-07	2.53E-05	2.33E-05	7.39E-05	0.113548	
1	2019	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	2.844444	0.00027	0.000806	2.96E-06	3.31E-05	3.04E-05	0.000195	0.540118	
1	2019	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	2.844444	0.000281	0.000221	2.70E-07	3.94E-05	3.63E-05	0.000128	0.041452	
1	2019	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.136575	0.408266	0.001498	0.016745	0.015405	0.080075	273.4348	
1	2019	Terminal A	Excavation	Dozer	Diesel	175	0.59	124.8747	0.006133	0.014286	3.99E-05	0.001331	0.001224	0.002271	6.915347	
1	2019	Terminal A	Excavation	Dump Tru	Diesel	600	0.59	124.8747	0.011844	0.035404	0.00013	0.001452	0.001336	0.006978	23.71186	
1	2019	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	124.8747	0.011844	0.035404	0.00013	0.001452	0.001336	0.006978	23.71186	
1	2019	Terminal A	Excavation	Roller	Diesel	100	0.59	57.63446	0.005681	0.005726	1.21E-05	0.000715	0.000658	0.000718	2.02528	
1	2019	Terminal A	Excavation	Dozer	Diesel	175	0.59	93.656	0.0046	0.010715	2.99E-05	0.000998	0.001709	5.186511		
1	2019	Terminal A	Excavation	Dump Tru	Diesel	600	0.59	249.7493	0.023687	0.070808	0.00026	0.002904	0.002672	0.013919	47.42371	
1	2019	Terminal A	Excavation	Excavator	Diesel	175	0.59	74.9248	0.002866	0.006996	2.33E-05	0.00057	0.000524	0.001302	4.149385	
1	2019	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	74.9248	0.007106	0.021243	7.80E-05	0.000871	0.000802	0.004202	14.22711	
1	2019	Terminal A	Excavation	Roller	Diesel	100	0.59	74.9248	0.007386	0.007444	1.57E-05	0.00093	0.000855	0.000926	2.632864	
1	2019	Terminal A	Excavation	Scraper	Diesel	600	0.59	93.656	0.022846	0.056173	0.000107	0.003434	0.00316	0.005859	17.78237	
1	2019	Terminal A	Excavation	Dozer	Diesel	175	0.59	35.25882	0.001732	0.004034	1.13E-05	0.000376	0.000346	0.000658	1.952574	
1	2019	Terminal A	Fencing	Concrete T	Diesel	600	0.59	1.666667	0.000158	0.000473	1.73E-06	1.94E-05	1.78E-05	0.00013	0.316475	
1	2019	Terminal A	Fencing	Dump Tru	Diesel	600	0.59	6.666667	0.000632	0.00189	6.94E-06	7.75E-05	7.13E-05	0.000408	1.265902	
1	2019	Terminal A	Fencing	Other Gen	Diesel	175	0.43	6.666667	0.000242	0.000884	1.63E-06	5.93E-05	5.46E-05	0.000132	0.266128	
1	2019	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	6.666667	0.000632	0.00189	6.94E-06	7.75E-05	7.13E-05	0.000408	1.265902	
1	2019	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	6.666667	0.000533	0.000558	4.91E-07	7.87E-05	7.24E-05	0.000159	0.072792	
1	2019	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	6.666667	0.000658	0.000517	6.33E-07	9.24E-05	8.50E-05	0.000188	0.097153	
1	2019	Terminal A	Grading	Dozer	Diesel	175	0.59	24.1536	0.001186	0.002763	7.71E-06	0.000257	0.000237	0.000459	1.337585	
1	2019	Terminal A	Grading	Grader	Diesel	300	0.59	24.1536	0.001306	0.004146	1.28E-05	0.000213	0.000196	0.000734	2.293104	
1	2019	Terminal A	Grading	Roller	Diesel	100	0.59	24.1536	0.002381	0.0024	5.07E-06	0.0003	0.000276	0.000314	0.84876	
1	2019	Terminal A	Hydroseed	Hydroseed	Diesel	600	0.59	21.76	0.002064	0.006169	2.26E-05	0.000253	0.000233	0.001247	4.131903	
1	2019	Terminal A	Hydroseed	Off-Road T	Diesel	600	0.59	21.76	0.002064	0.006169	2.26E-05	0.000253	0.000233	0.001247	4.131903	
1	2019	Terminal A	Lighting	Dump Tru	Diesel	600	0.59	20	0.001897	0.00567	2.08E-05	0.000233	0.000214	0.001149	3.797705	
1	2019	Terminal A	Lighting	Loader	Diesel	175	0.59	20	0.001267	0.002955	6.61E-06	0.00029	0.000267	0.000419	1.107486	
1	2019	Terminal A	Lighting	Other Gen	Diesel	175	0.43	20	0.000725	0.002653	4.89E-06	0.000178	0.000164	0.000335	0.798384	
1	2019	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	20	0.001897	0.00567	2.08E-05	0.000233	0.000214	0.001149	3.797705	
1	2019	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	20	0.001598	0.001675	1.47E-06	0.000236	0.000217	0.000368	0.218375	
1	2019	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	20	0.001974	0.001551	1.90E-06	0.000277	0.000255	0.000397	0.29146	
1	2019	Terminal A	Markings	Flatbed Tr	Diesel	600	0.59	462.8571	0.043899	0.131228	0.000482	0.005382	0.004952	0.025764	87.88974	
1	2019	Terminal A	Markings	Other Gen	Diesel	175	0.43	462.8571	0.016772	0.061396	0.000113	0.004118	0.003788	0.007064	18.47688	
1	2019	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	462.8571	0.043899	0.131228	0.000482	0.005382	0.004952	0.025764	87.88974	
1	2019	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	59.94	0.005685	0.016994	6.24E-05	0.000697	0.000641	0.003369	11.38172	
1	2019	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	59.94	0.002172	0.007951	1.47E-05	0.000533	0.000491	0.000941	2.392756	
1	2019	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	59.94	0.005685	0.016994	6.24E-05	0.000697	0.000641	0.003369	11.38172	
1	2019	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	20	0.000725	0.002653	4.89E-06	0.000178	0.000164	0.000335	0.798384	
1	2019	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	40	0.003794	0.011341	4.16E-05	0.000465	0.000428	0.00226	7.59541	
1	2019	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	20	0.000465	0.000485	4.14E-07	4.51E-05	4.15E-05	7.02E-05	0.055662	
1	2019	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	20	0.001974	0.001551	1.90E-06	0.000277	0.000255	0.000397	0.29146	
1	2019	Terminal A	Subbase P	Dozer	Diesel	175	0.59	47.32105	0.002324	0.005414	1.51E-05	0.000504	0.000464	0.000875	2.62056	
1	2019	Terminal A	Subbase P	Dump Tru	Diesel	600	0.59	333	0.031583	0.094411	0.000346	0.003872	0.003563	0.018546	63.23179	
1	2019	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	47.32105	0.004488	0.013416	4.92E-05	0.00055	0.000506	0.002667	8.98557	
1	2019	Terminal A	Subbase P	Roller	Diesel	100	0.59	46.10769	0.004545	0.004581	9.67E-06	0.000572	0.000526	0.000579	1.620229	
1	2019	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	53.67467	0.002636	0.006141	1.71E-05	0.000572	0.000526	0.00099	2.972412	
1	2019	Terminal A	Topsoil Pla	Dump Tru	Diesel	600	0.59	53.67467	0.005091	0.015218	5.58E-05	0.000624	0.000574	0.003021	10.19203	
1	2019	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	53.67467	0.005091	0.015218	5.58E-05	0.000624	0.000574	0.003021	10.19203	
2	2019	Building -	Concrete F	Backhoe	Diesel	100	0.21	480	0.047376	0.037218	4.55E-05	0.006651	0.006119	0.007625	6.995044	
2	2019	Building -	Concrete F	Concrete F	Diesel	11	0.43	180	0.004188	0.004365	3.72E-06	0.000406	0.000374	0.000613	0.500961	
2	2019	Building -	Concrete F	Concrete F	Diesel	600	0.59	360	0.034144	0.102066	0.000375	0.004186	0.003851	0.020063	68.35868	
2	2019	Building -	Concrete F	Excavator	Diesel	175	0.59	160	0.006121	0.014939	4.98E-05	0.001217	0.00112	0.002768	8.860906	
2	2019	Building -	Concrete F	Fork Truck	Diesel	100	0.59	480	0.015196	0.013885	9.06E-05	0.000804	0.000739	0.004404	16.87107	
2	2019	Building -	Concrete F	Tool Truck	Diesel	600	0.59	120	0.011381	0.034022	0.000125	0.001395	0.001284	0.006724	22.78623	
2	2019	Building -	Concrete F	Tractor Tr	Diesel	600	0.59	240	0.022763	0.068044	0.00025	0.002791	0.002568	0.013393	45.57245	
2	2019	Building -	Constructi	Survey Cre	Diesel	600	0.59	10	0.000948	0.002835	1.04E-05	0.000116	0.000107	0.00061	1.898852	
2	2019	Building -	Constructi	Tractor Tr	Diesel	600	0.59	4	0.000379	0.001134	4.16E-06	4.65E-05	4.28E-05	0.000276	0.759541	
2	2019	Building -	Exterior W	Fork Truck	Diesel	100	0.59	840	0.026593	0.024298	0.000159	0.001406	0.001294	0.007703	29.52437	
2	2019	Building -	Exterior W	Generator	Diesel	40	0.43	80	0.001952	0.006305	5.28E-06	0.000377	0.000347	0.000524	0.81093	
2	2019	Building -	Exterior W	Grout Mix	Diesel	600	0.59	420	0.176511	0.412766	0.000511	0.025156	0.023143	0.032729	79.72656	
2	2019	Building -	Exterior W	Grout Wh	Diesel	600	0.59	160	0.015175	0.045363	0.000166	0.001861	0.001712	0.008947	30.38164	
2	2019	Building -	Exterior W	Man Lift	Diesel	75	0.21	1680	0.12289	0.143431	0.000124	0.017009	0.015649	0.02478	18.34812	
2	2019	Building -	Exterior W	Tool Truck	Diesel	600	0.59	420	0.039834	0.119077	0.000437	0.004884	0.004493	0.023398	79.75179	
2	2019	Building -	Exterior W	Tractor Tr	Diesel	600	0.59	840	0.079669	0.238155	0.000874	0.009768	0.008986	0.046743	159.5036	
2	2019	Building -	Exterior W	Truck Tow	Diesel	300	0.43	80	0.003172	0.01437	3.22E-05	0.000627	0.000577	0.001907	5.475279	
2	2019	Building -	Interior Bu	Fork Truck	Diesel	100	0.59	1600	0.050653	0.046282	0.000302	0.002679	0.002464	0.014669	56.2369	
2	2019	Building -	Interior Bu	Man Lift	Diesel	75	0.21	3200	0.234076	0.273201	0.000236	0.032399	0.029807	0.047169	34.9488	
2	2019	Building -	Interior Bu	Tool Truck	Diesel	600	0.59	1600	0.15175	0.453628	0.001665	0.018605	0.017117	0.088985	303.8164	
2	2019	Building -	Interior Bu	Tractor Tr	Diesel	600	0.59	1600	0.15175	0.453628	0.001665	0.018605	0.017117	0.088985	303.8164	
2	2019	Building -	Roofing	High Lift	Diesel	100	0.59	160	0.005065	0.004628	3.02E-05	0.000268	0.000246	0.001471	5.62369	
2	2019	Building -	Roofing	Man Lift	Diesel	75	0.21	40	0.002926	0.003415	2.95E-06	0.000405	0.000373	0.000624	0.43686	
2	2019	Building -	Roofing	Material D	Diesel	600	0.59	60	0.005691	0.017011	6.24E-05	0.000698	0.000642	0.003389	11.39311	
2	2019	Building -	Roofing	Tractor Tr	Diesel	600	0.59	40	0.003794	0.011341	4.16E-05	0.000465	0.000428	0.002277	7.595409	
2	2019	Building -	Roofing	Truck Tow	Diesel	300	0.43	120	0.004758	0.021555	4.83E-05	0.000941	0.000866	0.002831	8.212919	
2	2019	Building -	Security &	High Lift	Diesel	100	0.59	800	0.025326	0.023141	0.000151	0.001339	0.001232	0.007337	28.11845	
2	2019	Building -	Security &	Tool Truck	Diesel	600	0.59	800	0.075875	0.226814	0.000832	0.009303	0.008558	0.044519	151.9082	
2	2019	Building -	Structural	90 Ton Cra	Diesel	300	0.43	240	0.009515	0.043111	9.65E-05	0.001882	0.001732	0.005603	16.42584	
2	2019	Building -	Structural	Concrete F	Diesel	11	0.43	60	0.001396	0.001455	1.24E-06	0.000135	0.000125	0.000206	0.166987	
2	2019	Building -	Structural	Concrete T	Diesel	600	0.59	60	0.005691	0.017011	6.24E-05	0.000698	0.000642	0.003389	11.39311	
2	2019	Building -	Structural	Fork Truck	Diesel	100	0.59	640	0.020261	0.018513	0.000121	0.001071	0.000986	0.00587	22.49476	
2	2019	Building -	Structural	Tool Truck	Diesel	600	0.59	160	0.015175	0.045363	0.000166	0.001861	0.001712	0.008947	30.38164	
2	2019	Building -	Structural	Tractor Tr	Diesel	600	0.59	360	0.034144	0.102066	0.000375	0.004186	0.003851	0.020063	68.35868	
2	2019	Building -	Structural	Trowel Ma	Diesel	600	0.59	40	0.016811	0.039311	4.87E-05	0.002396	0.002204	0.003296	7.593006	
2	2019	Building -	Structural	Truck Tow	Diesel	300	0.43	720	0.028546	0.129333	0.00029	0.005647	0.005196	0.016694	49.27752	
2	2019	Parking Lo	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	32.88375	0.001905	0.004402	1.07E-05	0.000429	0.000395	0.000659	1.82097	
2	2019	Parking Lo	Asphalt Pla	Dump Tru	Diesel	600	0.59	118.4333	0.011233	0.033578	0.000123	0.001377	0.001267	0.006637	22.48874	
2	2019	Parking Lo	Asphalt Pla	Other Gen	Diesel	175	0.43	65.7675	0.002383	0.008724	1.61E-05	0.000585	0.000538	0.001044	2.625386	
2	2019	Parking Lo	Asphalt Pla	Pickup Tru	Diesel	600	0.59	32.88375	0.003119	0.009323	3.42E-05	0.000382	0.000352	0.001881	6.244138	
2	2019	Parking Lo	Asphalt Pla	Roller	Diesel	100	0.59	32.88375	0.003241	0.003267	6.90E-06	0.000408	0.000375	0.000429	1.155538	
2	2019	Parking Lo	Asphalt Pla	Skid Steer	Diesel	75	0.21	32.88375	0.002628	0.002755	2.42E-06	0.000388	0.000357	0.000595	0.359049	

2	2019	Parking Lo	Asphalt Pla	Surfacing E	Diesel	25	0.59	42.0912	0.001634	0.003051	2.74E-06	0.000242	0.000222	0.000324	0.369232	
2	2019	Parking Lo	Clearing ar	Chain Saw	Diesel	11	0.7	69.6	0.173407	0.000782	8.28E-05	0.005759	0.005298	0.040302	0.367639	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	2019	Parking Lo	Clearing ar	Chipper/Sh	Diesel	100	0.43	69.6	0.005983	0.010687	1.16E-05	0.001049	0.000965	0.001311	1.76348	
2	2019	Parking Lo	Clearing ar	Pickup Tru	Diesel	600	0.59	92.8	0.008802	0.02631	9.65E-05	0.001079	0.000993	0.005212	17.62135	
2	2019	Parking Lo	Concrete F	Air Compr	Diesel	100	0.43	87.6904	0.005157	0.008478	1.38E-05	0.000755	0.000694	0.000962	2.223541	
2	2019	Parking Lo	Concrete F	Concrete S	Diesel	40	0.59	87.6904	0.00137	0.007752	7.14E-06	0.000196	0.00018	0.000402	1.232641	
2	2019	Parking Lo	Concrete F	Concrete T	Diesel	600	0.59	365.3767	0.034654	0.103591	0.00038	0.004249	0.003909	0.020362	69.37963	
2	2019	Parking Lo	Concrete F	Other Gen	Diesel	175	0.43	175.3808	0.006355	0.023263	4.29E-05	0.00156	0.001435	0.00271	7.00106	
2	2019	Parking Lo	Concrete F	Pickup Tru	Diesel	600	0.59	263.0712	0.024951	0.074585	0.000274	0.003059	0.002814	0.014676	49.95333	
2	2019	Parking Lo	Concrete F	Rubber Tir	Diesel	175	0.59	87.6904	0.005554	0.012957	2.90E-05	0.001272	0.00117	0.001748	4.855796	
2	2019	Parking Lo	Concrete F	Slip Form I	Diesel	175	0.59	87.6904	0.00508	0.01174	2.86E-05	0.001144	0.001053	0.001692	4.855942	
2	2019	Parking Lo	Concrete F	Surfacing E	Diesel	25	0.59	87.6904	0.003404	0.006357	5.72E-06	0.000503	0.000463	0.000675	0.769238	
2	2019	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	24	0.002276	0.006804	2.50E-05	0.000279	0.000257	0.001388	4.557245	
2	2019	Parking Lo	Curbing	Curb/Gutt	Diesel	175	0.59	24	0.00139	0.003213	7.83E-06	0.000313	0.000288	0.000492	1.329023	
2	2019	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	24	0.00087	0.003183	5.87E-06	0.000214	0.000196	0.000409	0.958061	
2	2019	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	24	0.002276	0.006804	2.50E-05	0.000279	0.000257	0.001388	4.557245	
2	2019	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	38.72	0.001902	0.00443	1.24E-05	0.000413	0.00038	0.000731	2.144248	
2	2019	Parking Lo	Drainage -	Dump Tru	Diesel	600	0.59	38.72	0.003672	0.010978	4.03E-05	0.00045	0.000414	0.002206	7.352356	
2	2019	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	38.72	0.001481	0.003615	1.20E-05	0.000295	0.000271	0.00069	2.144339	
2	2019	Parking Lo	Drainage -	Loader	Diesel	175	0.59	38.72	0.002452	0.005721	1.28E-05	0.000562	0.000517	0.000796	2.144094	
2	2019	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	38.72	0.001403	0.005136	9.47E-06	0.000344	0.000317	0.000633	1.545671	
2	2019	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	38.72	0.003672	0.010978	4.03E-05	0.00045	0.000414	0.002206	7.352356	
2	2019	Parking Lo	Drainage -	Roller	Diesel	100	0.59	38.72	0.003817	0.003847	8.12E-06	0.00048	0.000442	0.0005	1.360624	
2	2019	Parking Lo	Drainage -	Dump Tru	Diesel	600	0.59	64.53333	0.006121	0.018296	6.71E-05	0.00075	0.00069	0.003641	12.25393	
2	2019	Parking Lo	Drainage -	Loader	Diesel	175	0.59	64.53333	0.004087	0.009535	2.13E-05	0.000936	0.000861	0.001298	3.573489	
2	2019	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	64.53333	0.002338	0.00856	1.58E-05	0.000574	0.000528	0.001025	2.576119	
2	2019	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	64.53333	0.006121	0.018296	6.71E-05	0.00075	0.00069	0.003641	12.25393	
2	2019	Parking Lo	Drainage -	Tractors/Lo	Diesel	100	0.21	64.53333	0.006369	0.005004	6.12E-06	0.000894	0.000823	0.00113	0.940445	
2	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	146.1507	0.007178	0.01672	4.67E-05	0.001558	0.001433	0.002664	8.093577	
2	2019	Parking Lo	Excavation	Dump Tru	Diesel	600	0.59	146.1507	0.013861	0.041436	0.000152	0.001699	0.001564	0.008177	27.75185	
2	2019	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	146.1507	0.013861	0.041436	0.000152	0.001699	0.001564	0.008177	27.75185	
2	2019	Parking Lo	Excavation	Roller	Diesel	100	0.59	67.45415	0.006649	0.006702	1.41E-05	0.000837	0.00077	0.000846	2.370345	
2	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	109.613	0.005384	0.01254	3.50E-05	0.001168	0.001075	0.002007	6.070183	
2	2019	Parking Lo	Excavation	Dump Tru	Diesel	600	0.59	292.3013	0.027723	0.082873	0.000304	0.003399	0.003127	0.0163	55.5037	
2	2019	Parking Lo	Excavation	Excavator	Diesel	175	0.59	87.6904	0.003355	0.008188	2.73E-05	0.000667	0.000614	0.001529	4.856352	
2	2019	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	87.6904	0.008317	0.024862	9.12E-05	0.00102	0.000938	0.004928	16.65111	
2	2019	Parking Lo	Excavation	Roller	Diesel	100	0.59	87.6904	0.008644	0.008712	1.84E-05	0.001088	0.001001	0.00109	3.081449	
2	2019	Parking Lo	Excavation	Scraper	Diesel	600	0.59	109.613	0.026739	0.065744	0.000126	0.004019	0.003698	0.006885	20.81211	
2	2019	Parking Lo	Excavation	Dozer	Diesel	175	0.59	41.26588	0.002027	0.004721	1.32E-05	0.00044	0.000405	0.000777	2.285235	
2	2019	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	13.33333	0.001265	0.00378	1.39E-05	0.000155	0.000143	0.000795	2.531803	
2	2019	Parking Lo	Fencing	Dump Tru	Diesel	600	0.59	53.33333	0.005058	0.015121	5.55E-05	0.00062	0.000571	0.003018	10.12721	
2	2019	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	53.33333	0.001933	0.007074	1.30E-05	0.000474	0.000436	0.000855	2.129024	
2	2019	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	53.33333	0.005058	0.015121	5.55E-05	0.00062	0.000571	0.003018	10.12721	
2	2019	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	53.33333	0.004262	0.004468	3.93E-06	0.00063	0.000579	0.000917	0.582332	
2	2019	Parking Lo	Fencing	Tractors/Lo	Diesel	100	0.21	53.33333	0.005264	0.004135	5.06E-06	0.000739	0.00068	0.000955	0.777227	
2	2019	Parking Lo	Grading	Dozer	Diesel	175	0.59	27.8693	0.001369	0.003188	8.90E-06	0.000297	0.000273	0.000536	1.543355	
2	2019	Parking Lo	Grading	Grader	Diesel	300	0.59	27.8693	0.001506	0.004784	1.48E-05	0.000245	0.000226	0.000855	2.645866	
2	2019	Parking Lo	Grading	Roller	Diesel	100	0.59	27.8693	0.002747	0.002769	5.84E-06	0.000346	0.000318	0.00369	0.97933	
2	2019	Parking Lo	Hydroseed	Hydroseed	Diesel	600	0.59	25.1075	0.002381	0.007118	2.61E-05	0.000292	0.000269	0.001449	4.767543	
2	2019	Parking Lo	Hydroseed	Off-Road T	Diesel	600	0.59	25.1075	0.002381	0.007118	2.61E-05	0.000292	0.000269	0.001449	4.767543	
2	2019	Parking Lo	Markings	Flatbed Tr	Diesel	600	0.59	6.388571	0.000606	0.001811	6.65E-06	7.43E-05	6.83E-05	0.000409	1.213095	
2	2019	Parking Lo	Markings	Other Gen	Diesel	175	0.43	6.388571	0.000231	0.000847	1.56E-06	5.68E-05	5.23E-05	0.000142	0.255027	
2	2019	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	6.388571	0.000606	0.001811	6.65E-06	7.43E-05	6.83E-05	0.000409	1.213095	
2	2019	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002722	9.114491	
2	2019	Parking Lo	Sidewalks	Dump Tru	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002722	9.114491	
2	2019	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	48	0.004553	0.013609	4.99E-05	0.000558	0.000514	0.002722	9.114491	
2	2019	Parking Lo	Sidewalks	Tractors/Lo	Diesel	100	0.21	48	0.004738	0.003722	4.55E-06	0.000665	0.000612	0.000872	0.699504	
2	2019	Parking Lo	Sidewalks	Vibratory (	Diesel	6	0.43	48	0.000608	0.000611	5.42E-07	5.46E-05	5.02E-05	8.56E-05	0.072879	
2	2019	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	23.2	0.000841	0.003077	5.67E-06	0.000206	0.00019	0.000397	0.926125	
2	2019	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	46.4	0.004401	0.013155	4.83E-05	0.00054	0.000496	0.002633	8.810674	
2	2019	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	23.2	0.00054	0.000563	4.80E-07	5.23E-05	4.81E-05	8.10E-05	0.064568	
2	2019	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	100	0.21	23.2	0.00229	0.001799	2.20E-06	0.000321	0.000296	0.000484	0.338094	
2	2019	Parking Lo	Street Ligh	Dump Tru	Diesel	600	0.59	15.73333	0.001492	0.004461	1.64E-05	0.000183	0.000168	0.000928	2.987528	
2	2019	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	15.73333	0.000997	0.002325	5.20E-06	0.000228	0.00021	0.000349	0.871223	
2	2019	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	15.73333	0.00057	0.002087	3.85E-06	0.00014	0.000129	0.000284	0.628062	
2	2019	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	15.73333	0.001492	0.004461	1.64E-05	0.000183	0.000168	0.000928	2.987528	
2	2019	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	15.73333	0.001257	0.001318	1.16E-06	0.000186	0.000171	0.000325	0.171788	
2	2019	Parking Lo	Street Ligh	Tractors/Lo	Diesel	100	0.21	15.73333	0.001553	0.00122	1.49E-06	0.000218	0.000201	0.000367	0.229282	
2	2019	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	55.38316	0.00272	0.006336	1.77E-05	0.00059	0.000543	0.001031	3.067026	
2	2019	Parking Lo	Subbase P	Dump Tru	Diesel	600	0.59	389.7333	0.036964	0.110496	0.000405	0.004532	0.004169	0.021716	74.0046	
2	2019	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	55.38316	0.005253	0.015702	5.76E-05	0.000644	0.000592	0.003132	10.51644	
2	2019	Parking Lo	Subbase P	Roller	Diesel	100	0.59	53.96308	0.005319	0.005361	1.13E-05	0.000616	0.000567	0.000683	1.896268	
2	2019	Parking Lo	Topsoil Pla	Dozer	Diesel	175	0.59	61.932	0.003042	0.007085	1.98E-05	0.00066	0.000607	0.001149	3.42969	
2	2019	Parking Lo	Topsoil Pla	Dump Tru	Diesel	600	0.59	61.932	0.005874	0.017559	6.44E-05	0.00072	0.000663	0.003496	11.75997	
2	2019	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	600	0.59	61.932	0.005874	0.017559	6.44E-05	0.00072	0.000663	0.003496	11.75997	
2	2019	Parking Lo	Tree Planti	Flatbed Tr	Diesel	600	0.59	0	0	0	0	0	0	5.37E-05	0	
2	2019	Parking Lo	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	4.47E-05	0	
2	2019	Parking Lo	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	5.37E-05	0	
2	2019	Parking Lo	Tree Planti	Tractors/Lo	Diesel	100	0.21	0	0	0	0	0	0	0.000121	0	
2	2019	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	28.09688	0.001628	0.003761	9.17E-06	0.000367	0.000337	0.000569	1.555892	
2	2019	Terminal A	Asphalt Pla	Dump Tru	Diesel	600	0.59	101.193	0.009598	0.02869	0.000105	0.001177	0.001083	0.005678	19.21506	
2	2019	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	56.19375	0.002036	0.007454	1.37E-05	0.0005	0.00046	0.000899	2.243209	
2	2019	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	28.09688	0.002665	0.007966	2.92E-05	0.000327	0.000301	0.001615	5.335181	
2	2019	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	28.09688	0.00277	0.002791	5.89E-06	0.000349	0.000321	0.000371	0.987327	
2	2019	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	28.09688	0.002246	0.002354	2.07E-06	0.000332	0.000305	0.00052	0.306782	
2	2019	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	35.964	0.001396	0.002607	2.34E-06	0.000206	0.00019	0.000277	0.315483	
2	2019	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	60	0.149489	0.000674	7.14E-05	0.004964	0.004567	0.035259	0.31693	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	2019	Terminal A	Clearing ar	Chipper/Sh	Diesel	100	0.43	60	0.005158	0.009213	9.99E-06	0.000905	0.000832	0.001142	1.520241	
2	2019	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	80	0.007588	0.022681	8.32E-05	0.00093	0.000856	0.0045	15.19082	
2	2019	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	74.9248	0.004406	0.007244	1.18E-05	0.000645	0.000593	0.000827	1.899847	
2	2019	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	74.9248	0.00117	0.006623	6.10E-06	0.000167	0.000154	0.000343	1.053198	
2	2019	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	312.1867	0.029609	0.08851	0.000325	0.00363	0.00334	0.017406	59.27964	
2	2019	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	149.8496	0.00543	0.019877	3.67E-05	0.001333	0.001226	0.002322	5.981875	
2	2019	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	224.7744	0.021318	0.063728	0.000234	0.002614	0.002405	0.012547	42.68134	
2	2019	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	74.9248	0.004746	0.011071	2.48E-05	0.001087	0.001	0.0015	4.14891	
2	2019	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	74.9248	0.00434	0.010031	2.44E-05	0.000978	0.0009	0.001451	4.149034	
2	2019	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	74.9248	0.002908	0.005432	4.88E-06	0.00043	0.000396	0.000576	0.657255	
2	2019	Terminal A	Drainage -	Dozer	Diesel	175	0.59	5.12	0.000251	0.000586	1.64E-06	5.46E-05	5.02E-05	0.000127	0.283537	
2	2019	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	5.12	0.000486	0.001452	5.33E-06	5.95E-05	5.48E-05	0.000338	0.972212	
2	2019	Terminal A	Drainage -	Excavator	Diesel	175	0.59	5.12	0.000196	0.000478	1.59E-06	3.90E-05	3.58E-05	0.000114	0.283549	
2	2019	Terminal A	Drainage -	Loader	Diesel	175	0.59	5.12	0.000324	0.000757	1.69E-06	7.43E-05	6.83E-05	0.000143	0.283517	
2	2019	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	5.12	0.000186	0.000679	1.25E-06	4.55E-05	4.19E-05	0.000123	0.204386	
2	2019	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	5.12	0.000486	0.001452	5.33E-06	5.95E-05	5.48E-05	0.000338	0.972212	
2	2019	Terminal A	Drainage -	Roller	Diesel	100	0.59	5.12	0.000505	0.000509	1.07E-06	6.35E-05	5.84E-05	9.41E-05	0.179917	
2	2019	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	2.844444	0.00027	0.000806	2.96E-06	3.31E-05	3.04E-05	0.000212	0.540118	
2	2019	Terminal A	Drainage -	Loader	Diesel	175	0.59	2.844444	0.00018	0.00042	9.40E-07	4.13E-05	3.80E-05	9.88E-05	0.157509	
2	2019	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	2.844444	0.000103	0.000377	6.96E-07	2.53E-05	2.33E-05	8.80E-05	0.113548	
2	2019	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	2.844444	0.00027	0.000806	2.96E-06	3.31E-05	3.04E-05	0.000212	0.540118	
2	2019	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	2.844444	0.000281	0.000221	2.70E-07	3.94E-05	3.63E-05	0.000166	0.041452	
2	2019	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.136575	0.408266	0.001498	0.016745	0.015405	0.080092	273.4347	
2	2019	Terminal A	Excavation	Dozer	Diesel	175	0.59	124.8747	0.006133	0.014286	3.99E-05	0.001331	0.001224	0.002281	6.915348	
2	2019	Terminal A	Excavation	Dump Tru	Diesel	600	0.59	124.8747	0.011844	0.035404	0.00013	0.001452	0.001336	0.006995	23.71185	
2	2019	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	124.8747	0.011844	0.035404	0.00013	0.001452	0.001336	0.006995	23.71185	
2	2019	Terminal A	Excavation	Roller	Diesel	100	0.59	57.63446	0.005681	0.005726	1.21E-05	0.000715	0.000658	0.000728	2.02528	
2	2019	Terminal A	Excavation	Dozer	Diesel	175	0.59	93.656	0.0046	0.010715	2.99E-05	0.000998	0.000918	0.00172	5.186511	
2	2019	Terminal A	Excavation	Dump Tru	Diesel	600	0.59	249.7493	0.023687	0.070808	0.00026	0.002904	0.002672	0.013935	47.42371	
2	2019	Terminal A	Excavation	Excavator	Diesel	175	0.59	74.9248	0.002866	0.006996	2.33E-05	0.00057	0.000524	0.00131	4.149385	
2	2019	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	74.9248	0.007106	0.021243	7.80E-05	0.000871	0.000802	0.004218	14.22711	
2	2019	Terminal A	Excavation	Roller	Diesel	100	0.59	74.9248	0.007386	0.007444	1.57E-05	0.00093	0.000855	0.000936	2.632864	
2	2019	Terminal A	Excavation	Scraper	Diesel	600	0.59	93.656	0.022846	0.056173	0.000107	0.003434	0.00316	0.005904	17.78237	
2	2019	Terminal A	Excavation	Dozer	Diesel	175	0.59	35.25882	0.001732	0.004034	1.13E-05	0.000376	0.000346	0.000669	1.952574	
2	2019	Terminal A	Fencing	Concrete T	Diesel	600	0.59	1.666667	0.000158	0.000473	1.73E-06	1.94E-05	1.78E-05	0.000146	0.316475	
2	2019	Terminal A	Fencing	Dump Tru	Diesel	600	0.59	6.666667	0.000632	0.00189	6.94E-06	7.75E-05	7.13E-05	0.000424	1.265902	
2	2019	Terminal A	Fencing	Other Gen	Diesel	175	0.43	6.666667	0.000242	0.000884	1.63E-06	5.93E-05	5.46E-05	0.000146	0.266128	
2	2019	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	6.666667	0.000632	0.00189	6.94E-06	7.75E-05	7.13E-05	0.000424	1.265902	
2	2019	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	6.666667	0.000533	0.000558	4.91E-07	7.87E-05	7.24E-05	0.000183	0.072792	
2	2019	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	6.666667	0.000658	0.000517	6.33E-07	9.24E-05	8.50E-05	0.000226	0.097153	
2	2019	Terminal A	Grading	Dozer	Diesel	175	0.59	24.1536	0.001186	0.002763	7.71E-06	0.000257	0.000237	0.000469	1.337586	
2	2019	Terminal A	Grading	Grader	Diesel	300	0.59	24.1536	0.001306	0.004146	1.28E-05	0.000213	0.000196	0.000746	2.293104	
2	2019	Terminal A	Grading	Roller	Diesel	100	0.59	24.1536	0.002381	0.0024	5.07E-06	0.0003	0.000276	0.000324	0.84876	
2	2019	Terminal A	Hydroseed	Hydroseed	Diesel	600	0.59	21.76	0.002064	0.006169	2.26E-05	0.000253	0.000233	0.001263	4.131903	
2	2019	Terminal A	Hydroseed	Off-Road T	Diesel	600	0.59	21.76	0.002064	0.006169	2.26E-05	0.000253	0.000233	0.001263	4.131903	
2	2019	Terminal A	Lighting	Dump Tru	Diesel	600	0.59	20	0.001897	0.00567	2.08E-05	0.000233	0.000214	0.001165	3.797705	
2	2019	Terminal A	Lighting	Loader	Diesel	175	0.59	20	0.001267	0.002955	6.61E-06	0.00029	0.000267	0.000432	1.107486	
2	2019	Terminal A	Lighting	Other Gen	Diesel	175	0.43	20	0.000725	0.002653	4.89E-06	0.000178	0.000164	0.000349	0.798384	
2	2019	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	20	0.001897	0.00567	2.08E-05	0.000233	0.000214	0.001165	3.797705	
2	2019	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	20	0.001598	0.001675	1.47E-06	0.000236	0.000217	0.000392	0.218375	
2	2019	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	20	0.001974	0.001551	1.90E-06	0.000277	0.000255	0.000434	0.29146	
2	2019	Terminal A	Markings	Flatbed Tr	Diesel	600	0.59	462.8571	0.043899	0.131228	0.000482	0.005382	0.004952	0.02578	87.88973	
2	2019	Terminal A	Markings	Other Gen	Diesel	175	0.43	462.8571	0.016772	0.061396	0.000113	0.004118	0.003788	0.007078	18.47688	
2	2019	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	462.8571	0.043899	0.131228	0.000482	0.005382	0.004952	0.02578	87.88973	
2	2019	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	59.94	0.005685	0.016994	6.24E-05	0.000697	0.000641	0.003385	11.38172	

2	2019	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	59.94	0.002172	0.007951	1.47E-05	0.000533	0.000491	0.000956	2.392757	
2	2019	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	59.94	0.005685	0.016994	6.24E-05	0.000697	0.000641	0.003385	11.38172	
2	2019	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	20	0.000725	0.002653	4.89E-06	0.000178	0.000164	0.000349	0.798384	
2	2019	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	40	0.003794	0.011341	4.16E-05	0.000465	0.000428	0.002277	7.595409	
2	2019	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	20	0.000465	0.000485	4.14E-07	4.51E-05	4.15E-05	7.02E-05	0.055662	
2	2019	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	20	0.001974	0.001551	1.90E-06	0.000277	0.000255	0.000434	0.29146	
2	2019	Terminal A	Subbase P	Dozer	Diesel	175	0.59	47.32105	0.002324	0.005414	1.51E-05	0.000504	0.000464	0.000886	2.62056	
2	2019	Terminal A	Subbase P	Dump Tru	Diesel	600	0.59	333	0.031583	0.094411	0.000346	0.003872	0.003562	0.018563	63.23178	
2	2019	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	47.32105	0.004488	0.013416	4.92E-05	0.00055	0.000506	0.002684	8.985569	
2	2019	Terminal A	Subbase P	Roller	Diesel	100	0.59	46.10769	0.004545	0.004581	9.67E-06	0.000572	0.000526	0.000589	1.620229	
2	2019	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	53.67467	0.002636	0.006141	1.71E-05	0.000572	0.000526	0.001	2.972412	
2	2019	Terminal A	Topsoil Pla	Dump Tru	Diesel	600	0.59	53.67467	0.005091	0.015218	5.58E-05	0.000624	0.000574	0.003037	10.19203	
2	2019	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	53.67467	0.005091	0.015218	5.58E-05	0.000624	0.000574	0.003037	10.19203	
3	2020	Access Ro	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	4.995	0.000248	0.000571	1.60E-06	5.36E-05	4.93E-05	0.000113	0.276611	
3	2020	Access Ro	Asphalt Pl	Dump Tru	Diesel	600	0.59	17.98987	0.001542	0.004411	1.86E-05	0.000178	0.000164	0.001023	3.416026	
3	2020	Access Ro	Asphalt Pl	Other Gen	Diesel	175	0.43	9.99	0.000318	0.001161	2.39E-06	7.65E-05	7.04E-05	0.000171	0.39881	
3	2020	Access Ro	Asphalt Pl	Pickup Tru	Diesel	600	0.59	4.995	0.000428	0.001225	5.16E-06	4.94E-05	4.54E-05	0.000305	0.948481	
3	2020	Access Ro	Asphalt Pl	Roller	Diesel	100	0.59	4.995	0.000424	0.000424	1.03E-06	5.09E-05	4.68E-05	7.54E-05	0.175533	
3	2020	Access Ro	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.995	0.000373	0.000405	3.64E-07	5.45E-05	5.02E-05	0.000122	0.054555	
3	2020	Access Ro	Asphalt Pl	Surfacing E	Diesel	25	0.59	6.3936	0.000247	0.000464	4.17E-07	3.67E-05	3.38E-05	4.95E-05	0.056086	
3	2020	Access Ro	Clearing ar	Chain Saw	Diesel	11	0.7	14.4	0.035877	0.000162	1.71E-05	0.001191	0.001096	0.011225	0.076063	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	2020	Access Ro	Clearing ar	Chipper/Sh	Diesel	100	0.43	14.4	0.001159	0.002057	2.37E-06	0.000201	0.000185	0.000248	0.3649	
3	2020	Access Ro	Clearing ar	Pickup Tru	Diesel	600	0.59	19.2	0.001646	0.004708	1.98E-05	0.00019	0.000175	0.00109	3.645813	
3	2020	Access Ro	Concrete F	Air Compr	Diesel	100	0.43	13.32	0.000698	0.001133	2.05E-06	9.98E-05	9.18E-05	0.00016	0.337776	
3	2020	Access Ro	Concrete F	Concrete S	Diesel	40	0.59	13.32	0.000181	0.001148	1.06E-06	2.48E-05	2.28E-05	5.84E-05	0.187243	
3	2020	Access Ro	Concrete F	Concrete T	Diesel	600	0.59	55.5	0.004759	0.013608	5.74E-05	0.000549	0.000505	0.003097	10.53868	
3	2020	Access Ro	Concrete F	Other Gen	Diesel	175	0.43	26.64	0.000848	0.003096	6.38E-06	0.000204	0.000188	0.000414	1.063493	
3	2020	Access Ro	Concrete F	Pickup Tru	Diesel	600	0.59	39.96	0.003426	0.009798	4.13E-05	0.000395	0.000363	0.002238	7.587847	
3	2020	Access Ro	Concrete F	Rubber Tir	Diesel	175	0.59	13.32	0.000725	0.001693	4.31E-06	0.00016	0.000147	0.000274	0.737611	
3	2020	Access Ro	Concrete F	Slip Form I	Diesel	175	0.59	13.32	0.000662	0.001522	4.26E-06	0.000143	0.000132	0.000265	0.73763	
3	2020	Access Ro	Concrete F	Surfacing E	Diesel	25	0.59	13.32	0.000515	0.000966	8.68E-07	7.65E-05	7.04E-05	0.000103	0.116846	
3	2020	Access Ro	Curbing	Concrete T	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003346	11.39316	
3	2020	Access Ro	Curbing	Curb/Gutt	Diesel	175	0.59	60	0.002983	0.006856	1.92E-05	0.000644	0.000592	0.001116	3.322659	
3	2020	Access Ro	Curbing	Other Gen	Diesel	175	0.43	60	0.00191	0.006972	1.44E-05	0.00046	0.000423	0.0009	2.395255	
3	2020	Access Ro	Curbing	Pickup Tru	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003346	11.39316	
3	2020	Access Ro	Drainage -	Dozer	Diesel	175	0.59	48.32	0.002039	0.004704	1.52E-05	0.000419	0.000386	0.000865	2.675943	
3	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	48.32	0.004143	0.011848	4.99E-05	0.000478	0.00044	0.0027	9.175295	
3	2020	Access Ro	Drainage -	Excavator	Diesel	175	0.59	48.32	0.001607	0.003856	1.49E-05	0.000298	0.000274	0.000827	2.676033	
3	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	48.32	0.00263	0.00614	1.56E-05	0.00058	0.000533	0.00093	2.67578	
3	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	48.32	0.001538	0.005615	1.16E-05	0.00037	0.000341	0.00073	1.928978	
3	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	48.32	0.004143	0.011848	4.99E-05	0.000478	0.00044	0.0027	9.175295	
3	2020	Access Ro	Drainage -	Roller	Diesel	100	0.59	48.32	0.004097	0.004106	9.93E-06	0.000492	0.000453	0.000573	1.698047	
3	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	26.84444	0.002302	0.006582	2.77E-05	0.000265	0.000244	0.001513	5.097386	
3	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	26.84444	0.001461	0.003411	8.69E-06	0.000322	0.000296	0.000528	1.486544	
3	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	26.84444	0.000854	0.003119	6.43E-06	0.000206	0.000189	0.000417	1.071655	
3	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	26.84444	0.002302	0.006582	2.77E-05	0.000265	0.000244	0.001513	5.097386	
3	2020	Access Ro	Drainage -	Tractors/Lo	Diesel	100	0.21	26.84444	0.002467	0.00191	2.51E-06	0.000341	0.000313	0.000461	0.391299	
3	2020	Access Ro	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.123467	0.353072	0.001488	0.014237	0.013098	0.079637	273.4359	
3	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	22.2	0.000937	0.002161	6.97E-06	0.000193	0.000177	0.000408	1.229427	
3	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	22.2	0.001903	0.005443	2.29E-05	0.000219	0.000202	0.001256	4.215471	
3	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	22.2	0.001903	0.005443	2.29E-05	0.000219	0.000202	0.001256	4.215471	
3	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	10.24615	0.000869	0.000871	2.10E-06	0.000104	9.60E-05	0.000136	0.360067	
3	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	16.65	0.000703	0.001621	5.23E-06	0.000145	0.000133	0.000311	0.92207	
3	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	44.4	0.003807	0.010886	4.59E-05	0.000439	0.000404	0.002483	8.430942	
3	2020	Access Ro	Excavation	Excavator	Diesel	175	0.59	13.32	0.000443	0.001063	4.09E-06	8.21E-05	7.55E-05	0.000238	0.737681	
3	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	13.32	0.001142	0.003266	1.38E-05	0.000132	0.000121	0.000765	2.529282	
3	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	13.32	0.001129	0.001132	2.74E-06	0.000136	0.000125	0.000171	0.468088	
3	2020	Access Ro	Excavation	Scraper	Diesel	600	0.59	16.65	0.003541	0.008799	1.87E-05	0.000523	0.000481	0.001086	3.161377	
3	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	6.268235	0.000265	0.00061	1.97E-06	5.44E-05	5.01E-05	0.000129	0.347132	
3	2020	Access Ro	Fencing	Concrete T	Diesel	600	0.59	16.66667	0.001429	0.004086	1.72E-05	0.000165	0.000152	0.00095	3.164768	
3	2020	Access Ro	Fencing	Dump Tru	Diesel	600	0.59	66.66667	0.005716	0.016346	6.89E-05	0.000659	0.000606	0.003714	12.65907	
3	2020	Access Ro	Fencing	Other Gen	Diesel	175	0.43	66.66667	0.002122	0.007747	1.60E-05	0.000511	0.00047	0.000997	2.661394	
3	2020	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	66.66667	0.005716	0.016346	6.89E-05	0.000659	0.000606	0.003714	12.65907	
3	2020	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	66.66667	0.004982	0.00541	4.86E-06	0.000728	0.00067	0.001018	0.728135	
3	2020	Access Ro	Fencing	Tractors/Lo	Diesel	100	0.21	66.66667	0.006127	0.004743	6.23E-06	0.000846	0.000778	0.001032	0.97177	
3	2020	Access Ro	Grading	Dozer	Diesel	175	0.59	5.6987	0.00024	0.000555	1.79E-06	4.95E-05	4.55E-05	0.000119	0.315592	
3	2020	Access Ro	Grading	Grader	Diesel	300	0.59	5.6987	0.00027	0.000839	3.00E-06	4.18E-05	3.85E-05	0.000185	0.541033	
3	2020	Access Ro	Grading	Roller	Diesel	100	0.59	5.6987	0.000483	0.000484	1.17E-06	5.80E-05	5.34E-05	8.35E-05	0.200262	
3	2020	Access Ro	Hydroseed	Hydroseed	Diesel	600	0.59	5.134	0.00044	0.001259	5.31E-06	5.08E-05	4.67E-05	0.000312	0.974875	
3	2020	Access Ro	Hydroseed	Off-Road T	Diesel	600	0.59	5.134	0.00044	0.001259	5.31E-06	5.08E-05	4.67E-05	0.000312	0.974875	
3	2020	Access Ro	Markings	Flatbed Tr	Diesel	600	0.59	82.28571	0.007055	0.020176	8.50E-05	0.000814	0.000748	0.004578	15.62491	
3	2020	Access Ro	Markings	Other Gen	Diesel	175	0.43	82.28571	0.002619	0.009562	1.97E-05	0.00063	0.00058	0.001225	3.284921	
3	2020	Access Ro	Markings	Pickup Tru	Diesel	600	0.59	82.28571	0.007055	0.020176	8.50E-05	0.000814	0.000748	0.004578	15.62491	
3	2020	Access Ro	Sidewalks	Concrete T	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006663	22.78633	
3	2020	Access Ro	Sidewalks	Dump Tru	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006663	22.78633	
3	2020	Access Ro	Sidewalks	Pickup Tru	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006663	22.78633	
3	2020	Access Ro	Sidewalks	Tractors/Lo	Diesel	100	0.21	120	0.011029	0.008538	1.12E-05	0.001522	0.0014	0.001797	1.749186	
3	2020	Access Ro	Sidewalks	Vibratory (	Diesel	6	0.43	120	0.00152	0.001516	1.35E-06	0.000133	0.000122	0.00021	0.182204	
3	2020	Access Ro	Soil Erosio	Other Gen	Diesel	175	0.43	4.8	0.000153	0.000558	1.15E-06	3.68E-05	3.38E-05	9.56E-05	0.19162	
3	2020	Access Ro	Soil Erosio	Pickup Tru	Diesel	600	0.59	9.6	0.000823	0.002354	9.92E-06	9.49E-05	8.73E-05	0.000559	1.822906	
3	2020	Access Ro	Soil Erosio	Pumps	Diesel	11	0.43	4.8	0.000112	0.000115	9.93E-08	1.04E-05	9.61E-06	1.80E-05	0.01336	
3	2020	Access Ro	Soil Erosio	Tractors/Lo	Diesel	100	0.21	4.8	0.000441	0.000342	4.49E-07	6.09E-05	5.60E-05	0.000144	0.069967	
3	2020	Access Ro	Street Ligh	Dump Tru	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.00224	7.595443	
3	2020	Access Ro	Street Ligh	Loader	Diesel	175	0.59	40	0.002177	0.005083	1.29E-05	0.00048	0.000442	0.000774	2.215049	
3	2020	Access Ro	Street Ligh	Other Gen	Diesel	175	0.43	40	0.001273	0.004648	9.58E-06	0.000306	0.000282	0.000608	1.596836	
3	2020	Access Ro	Street Ligh	Pickup Tru	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.00224	7.595443	
3	2020	Access Ro	Street Ligh	Skid Steer	Diesel	75	0.21	40	0.002989	0.003246	2.91E-06	0.000437	0.000402	0.00063	0.436881	
3	2020	Access Ro	Street Ligh	Tractors/Lo	Diesel	100	0.21	40	0.003676	0.002846	3.74E-06	0.000507	0.000467	0.000649	0.583062	
3	2020	Access Ro	Subbase P	Dozer	Diesel	175	0.59	8.412632	0.000355	0.000819	2.64E-06	7.30E-05	6.72E-05	0.000166	0.465888	
3	2020	Access Ro	Subbase P	Dump Tru	Diesel	600	0.59	59.2	0.005076	0.014515	6.12E-05	0.000585	0.000538	0.003301	11.24126	
3	2020	Access Ro	Subbase P	Pickup Tru	Diesel	600	0.59	8.412632	0.000721	0.002063	8.69E-06	8.32E-05	7.65E-05	0.000494	1.597442	
3	2020	Access Ro	Subbase P	Roller	Diesel	100	0.59	8.196923	0.000695	0.000696	1.68E-06	8.35E-05	7.68E-05	0.000112	0.288054	
3	2020	Access Ro	Topsoil Pla	Dozer	Diesel	175	0.59	12.664	0.000534	0.001233	3.98E-06	0.00011	0.000101	0.000241	0.701327	
3	2020	Access Ro	Topsoil Pla	Dump Tru	Diesel	600	0.59	12.664	0.001086	0.003105	1.31E-05	0.000125	0.000115	0.000729	2.404717	
3	2020	Access Ro	Topsoil Pla	Pickup Tru	Diesel	600	0.59	12.664	0.001086	0.003105	1.31E-05	0.000125	0.000115	0.000729	2.404717	
3	2020	Access Ro	Tree Planti	Flatbed Tr	Diesel	600	0.59	0	0	0	0	0	0	2.86E-05	0	
3	2020	Access Ro	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	2.56E-05	0	
3	2020	Access Ro	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	2.86E-05	0	
3	2020	Access Ro	Tree Planti	Tractors/Lo	Diesel	100	0.21	0	0	0	0	0	0	7.55E-05	0	
3	2020	Building -	Concrete F	Backhoe	Diesel	100	0.21	480	0.044115	0.034153	4.49E-05	0.006089	0.005601	0.00696	6.996745	
3	2020	Building -	Concrete F	Concrete F	Diesel	11	0.43	180	0.004185	0.004312	3.72E-06	0.000392	0.000361	0.000603	0.500989	
3	2020	Building -	Concrete F	Concrete F	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019931	68.35899	
3	2020	Building -	Concrete F	Excavator	Diesel	175	0.59	160	0.005322	0.012769	4.92E-05	0.000986	0.000907	0.002708	8.861037	
3	2020	Building -	Concrete F	Fork Truck	Diesel	100	0.59	480	0.01448	0.01261	9.04E-05	0.000684	0.000629	0.004389	16.8711	
3	2020	Building -	Concrete F	Tool Truck	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006663	22.78633	
3	2020	Building -	Concrete F	Tractor Tr	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013297	45.57266	
3	2020	Building -	Constructi	Survey Cre	Diesel	600	0.59	10	0.000857	0.002452	1.03E-05	9.89E-05	9.10E-05	0.000581	1.898861	
3	2020	Building -	Constructi	Tractor Tr	Diesel	600	0.59	4	0.000343	0.000981	4.13E-06	3.95E-05	3.64E-05	0.00025	0.759544	
3	2020	Building -	Exterior W	Fork Truck	Diesel	100	0.59	840	0.025339	0.022068	0.000158	0.001197	0.001101	0.007679	29.52443	
3	2020	Building -	Exterior W	Generator	Diesel	40	0.43	80	0.001779	0.006134	5.20E-06	0.000342	0.000314	0.000486	0.811032	
3	2020	Building -	Exterior W	Grout Mix	Diesel	600	0.59	420	0.161174	0.376913	0.000504	0.023023	0.021181	0.031496	79.72974	
3	2020	Building -	Exterior W	Grout Whe	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008874	30.38177	
3	2020	Building -	Exterior W	Man Lift	Diesel	75	0.21	1680	0.115175	0.138655	0.000122	0.015702	0.014445	0.02293	18.35316	
3	2020	Building -	Exterior W	Tool Truck	Diesel	600	0.59	420	0.036011	0.102979	0.000434	0.004152	0.00382	0.023248	79.75215	
3	2020	Building -	Exterior W	Tractor Tr	Diesel	600	0.59	840	0.072023	0.205959	0.000868	0.008305	0.00764	0.046467	159.5043	
3	2020	Building -	Exterior W	Truck Tow	Diesel	300	0.43	80	0.002742	0.012455	3.16E-05	0.000532	0.000489	0.00183	5.47542	
3	2020	Building -	Interior Bu	Fork Truck	Diesel	100	0.59	1600	0.048265	0.042033	0.000301	0.00228	0.002098	0.014624	56.23701	
3	2020	Building -	Interior Bu	Man Lift	Diesel	75	0.21	3200	0.219382	0.264106	0.000233	0.029908	0.027515	0.043657	34.95841	
3	2020	Building -	Interior Bu	Tool Truck	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088483	303.8177	
3	2020	Building -	Interior Bu	Tractor Tr	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088483	303.8177	
3	2020	Building -	Roofing	High Lift	Diesel	100	0.59	160	0.004827	0.004203	3.01E-05	0.000228	0.00021	0.001464	5.623701	
3	2020	Building -	Roofing	Man Lift	Diesel	75	0.21	40	0.002742	0.003301	2.91E-06	0.000374	0.000344	0.000567	0.43698	
3	2020	Building -	Roofing	Material D	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003346	11.39316	
3	2020	Building -	Roofing	Tractor Tr	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.00224	7.595443	
3	2020	Building -	Roofing	Truck Tow	Diesel	300	0.43	120	0.004114	0.018682	4.74E-05	0.000797	0.000734	0.002729	8.21313	
3	2020	Building -	Security &	High Lift	Diesel	100	0.59	800	0.024133	0.021017	0.000151	0.00114	0.001049	0.007313	28.11851	
3	2020	Building -	Security &	Tool Truck	Diesel	600	0.59	800	0.068593	0.196151	0.000827	0.007909	0.007277	0.044256	151.9089	
3	2020	Building -	Structural	90 Ton Cra	Diesel	300	0.43	240	0.008227	0.037365	9.48E-05	0.001595	0.001467	0.005426	16.42626	
3	2020	Building -	Structural	Concrete F	Diesel	11	0.43	60	0.001395	0.001437	1.24E-06	0.000131	0.00012	0.000202	0.166996	
3	2020	Building -	Structural	Concrete T	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003346	11.39316	
3	2020	Building -	Structural	Fork Truck	Diesel	100	0.59	640	0.019306	0.016813	0.000121	0.000912	0.000839	0.005851	22.49481	
3	2020	Building -	Structural	Tool Truck	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008874	30.38177	
3	2020	Building -	Structural	Tractor Tr	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019931	68.35899	
3	2020	Building -	Structural	Trowel Ma	Diesel	600	0.59	40	0.01535	0.035897	4.80E-05	0.002193	0.002017	0.003111	7.593308	
3	2020	Building -	Structural	Truck Tow	Diesel	300	0.43	720	0.024682	0.112094	0.000284	0.004785	0.004402	0.016211	49.27878	
3	2020	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	28.09688	0.001397	0.00321	8.99E-06	0.000302	0.000277	0.000534	1.555939	
3	2020	Terminal A	Asphalt Pl	Dump Tru	Diesel	600	0.59	101.193	0.008676	0.024811	0.000105	0.001	0.00092	0.005623	19.21515	
3	2020	Terminal A	Asphalt Pl	Other Gen	Diesel	175	0.43	56.19375	0.001788	0.00653	1.35E-05	0.000431	0.000396	0.000844	2.243306	
3	2020	Terminal A	Asphalt Pl	Pickup Tru	Diesel	600	0.59	28.09688	0.002409	0.006889	2.90E-05	0.000278	0.000256	0.001582	5.335205	
3	2020	Terminal A	Asphalt Pl	Roller	Diesel	100	0.59	28.09688	0.002382	0.002387	5.77E-06	0.000286	0.000263	0.000341	0.987372	
3	2020	Terminal A	Asphalt Pl	Skid Steer	Diesel	75	0.21	28.09688	0.0021	0.00228	2.05E-06	0.000307	0.000282	0.000457	0.306875	
3	2020	Terminal A	Asphalt Pl	Surfacing E	Diesel	25	0.59	35.964	0.001391	0.002608	2.34E-06	0.000206	0.00019	0.000277	0.315484	

3	2020	Terminal /	Clearing ar	Chain Saw	Diesel	11	0.7	60	0.149489	0.000674	7.14E-05	0.004964	0.004567	0.035178	0.31693	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	2020	Terminal /	Clearing ar	Chipper/Sh	Diesel	100	0.43	60	0.004828	0.008572	9.86E-06	0.000836	0.000769	0.001004	1.520418	
3	2020	Terminal /	Clearing ar	Pickup Tru	Diesel	600	0.59	80	0.006859	0.019615	8.27E-05	0.000791	0.000728	0.004451	15.19089	
3	2020	Terminal /	Concrete F	Air Compr	Diesel	100	0.43	74.9248	0.003924	0.006373	1.15E-05	0.000561	0.000516	0.000771	1.899987	
3	2020	Terminal /	Concrete F	Concrete S	Diesel	40	0.59	74.9248	0.001018	0.006458	5.99E-06	0.000139	0.000128	0.000327	1.053242	
3	2020	Terminal /	Concrete F	Concrete T	Diesel	600	0.59	312.1867	0.026767	0.076545	0.000323	0.003086	0.00284	0.017288	59.2799	
3	2020	Terminal /	Concrete F	Other Gen	Diesel	175	0.43	149.8496	0.004769	0.017413	3.59E-05	0.001148	0.001056	0.002209	5.982132	
3	2020	Terminal /	Concrete F	Pickup Tru	Diesel	600	0.59	224.7744	0.019272	0.055112	0.000232	0.002222	0.002044	0.012455	42.68153	
3	2020	Terminal /	Concrete F	Rubber Tir	Diesel	175	0.59	74.9248	0.004077	0.009521	2.43E-05	0.000899	0.000827	0.001429	4.149053	
3	2020	Terminal /	Concrete F	Slip Form I	Diesel	175	0.59	74.9248	0.003725	0.008561	2.40E-05	0.000804	0.00074	0.001388	4.14916	
3	2020	Terminal /	Concrete F	Surfacing E	Diesel	25	0.59	74.9248	0.002898	0.005432	4.88E-06	0.00043	0.000396	0.000576	0.657257	
3	2020	Terminal /	Drainage -	Dozer	Diesel	175	0.59	5.12	0.000216	0.000498	1.61E-06	4.44E-05	4.09E-05	0.000109	0.283544	
3	2020	Terminal /	Drainage -	Dump Tru	Diesel	600	0.59	5.12	0.000439	0.001255	5.29E-06	5.06E-05	4.66E-05	0.000312	0.972217	
3	2020	Terminal /	Drainage -	Excavator	Diesel	175	0.59	5.12	0.00017	0.000409	1.57E-06	3.15E-05	2.90E-05	0.0001	0.283553	
3	2020	Terminal /	Drainage -	Loader	Diesel	175	0.59	5.12	0.000279	0.000651	1.66E-06	6.14E-05	5.65E-05	0.00012	0.283526	
3	2020	Terminal /	Drainage -	Other Gen	Diesel	175	0.43	5.12	0.000163	0.000595	1.23E-06	3.92E-05	3.61E-05	0.0001	0.204395	
3	2020	Terminal /	Drainage -	Pickup Tru	Diesel	600	0.59	5.12	0.000439	0.001255	5.29E-06	5.06E-05	4.66E-05	0.000312	0.972217	
3	2020	Terminal /	Drainage -	Roller	Diesel	100	0.59	5.12	0.000434	0.000435	1.05E-06	5.21E-05	4.80E-05	7.68E-05	0.179926	
3	2020	Terminal /	Drainage -	Dump Tru	Diesel	600	0.59	2.844444	0.000244	0.000697	2.94E-06	2.81E-05	2.59E-05	0.000186	0.54012	
3	2020	Terminal /	Drainage -	Loader	Diesel	175	0.59	2.844444	0.000155	0.000361	9.21E-07	3.41E-05	3.14E-05	7.77E-05	0.157515	
3	2020	Terminal /	Drainage -	Other Gen	Diesel	175	0.43	2.844444	9.05E-05	0.000331	6.81E-07	2.18E-05	2.01E-05	6.71E-05	0.113553	
3	2020	Terminal /	Drainage -	Pickup Tru	Diesel	600	0.59	2.844444	0.000244	0.000697	2.94E-06	2.81E-05	2.59E-05	0.000186	0.54012	
3	2020	Terminal /	Drainage -	Tractors/L	Diesel	100	0.21	2.844444	0.000261	0.000202	2.66E-07	3.61E-05	3.32E-05	0.000116	0.041462	
3	2020	Terminal /	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.123467	0.353072	0.001488	0.014237	0.013098	0.079637	273.4359	
3	2020	Terminal /	Excavation	Dozer	Diesel	175	0.59	124.8747	0.00527	0.012157	3.92E-05	0.001084	0.000997	0.002206	6.91551	
3	2020	Terminal /	Excavation	Dump Tru	Diesel	600	0.59	124.8747	0.010707	0.030618	0.000129	0.001235	0.001136	0.006932	23.71196	
3	2020	Terminal /	Excavation	Pickup Tru	Diesel	600	0.59	124.8747	0.010707	0.030618	0.000129	0.001235	0.001136	0.006932	23.71196	
3	2020	Terminal /	Excavation	Roller	Diesel	100	0.59	57.63446	0.004887	0.004897	1.18E-05	0.000587	0.00054	0.00068	2.025373	
3	2020	Terminal /	Excavation	Dozer	Diesel	175	0.59	93.656	0.003952	0.009118	2.94E-05	0.000813	0.000748	0.001659	5.186633	
3	2020	Terminal /	Excavation	Dump Tru	Diesel	600	0.59	249.7493	0.021414	0.061236	0.000258	0.002469	0.002272	0.013836	47.42392	
3	2020	Terminal /	Excavation	Excavator	Diesel	175	0.59	74.9248	0.002492	0.00598	2.30E-05	0.000462	0.000425	0.001275	4.149446	
3	2020	Terminal /	Excavation	Pickup Tru	Diesel	600	0.59	74.9248	0.006424	0.018371	7.74E-05	0.000741	0.000681	0.004171	14.22718	
3	2020	Terminal /	Excavation	Roller	Diesel	100	0.59	74.9248	0.006353	0.006366	1.54E-05	0.000763	0.000702	0.000878	2.632985	
3	2020	Terminal /	Excavation	Scraper	Diesel	600	0.59	93.656	0.01992	0.049492	0.000105	0.002941	0.002706	0.005723	17.7827	
3	2020	Terminal /	Excavation	Dozer	Diesel	175	0.59	35.25882	0.001488	0.003433	1.11E-05	0.000306	0.000282	0.000636	1.95262	
3	2020	Terminal /	Fencing	Concrete T	Diesel	600	0.59	1.666667	0.000143	0.000409	1.72E-06	1.65E-05	1.52E-05	0.000121	0.316477	
3	2020	Terminal /	Fencing	Dump Tru	Diesel	600	0.59	6.666667	0.000572	0.001635	6.89E-06	6.59E-05	6.06E-05	0.000397	1.265907	
3	2020	Terminal /	Fencing	Other Gen	Diesel	175	0.43	6.666667	0.000212	0.000775	1.60E-06	5.11E-05	4.70E-05	0.000123	0.266139	
3	2020	Terminal /	Fencing	Pickup Tru	Diesel	600	0.59	6.666667	0.000572	0.001635	6.89E-06	6.59E-05	6.06E-05	0.000397	1.265907	
3	2020	Terminal /	Fencing	Skid Steer	Diesel	75	0.21	6.666667	0.000498	0.000541	4.86E-07	7.28E-05	6.70E-05	0.000146	0.072813	
3	2020	Terminal /	Fencing	Tractors/L	Diesel	100	0.21	6.666667	0.000613	0.000474	6.23E-07	8.46E-05	7.78E-05	0.000171	0.097177	
3	2020	Terminal /	Grading	Dozer	Diesel	175	0.59	24.1536	0.001019	0.002351	7.59E-06	0.00021	0.000193	0.000442	1.337617	
3	2020	Terminal /	Grading	Grader	Diesel	300	0.59	24.1536	0.001146	0.003555	1.27E-05	0.000177	0.000163	0.000717	2.293136	
3	2020	Terminal /	Grading	Roller	Diesel	100	0.59	24.1536	0.002048	0.002052	4.96E-06	0.000246	0.000226	0.000295	0.848799	
3	2020	Terminal /	Hydroseed	Hydroseed	Diesel	600	0.59	21.76	0.001866	0.005335	2.25E-05	0.000215	0.000198	0.001232	4.131921	
3	2020	Terminal /	Hydroseed	Off-Road T	Diesel	600	0.59	21.76	0.001866	0.005335	2.25E-05	0.000215	0.000198	0.001232	4.131921	
3	2020	Terminal /	Lighting	Dump Tru	Diesel	600	0.59	20	0.001715	0.004904	2.07E-05	0.000198	0.000182	0.001134	3.797721	
3	2020	Terminal /	Lighting	Loader	Diesel	175	0.59	20	0.001088	0.002542	6.47E-06	0.00024	0.000221	0.000399	1.107525	
3	2020	Terminal /	Lighting	Other Gen	Diesel	175	0.43	20	0.000637	0.002324	4.79E-06	0.000153	0.000141	0.000317	0.798418	
3	2020	Terminal /	Lighting	Pickup Tru	Diesel	600	0.59	20	0.001715	0.004904	2.07E-05	0.000198	0.000182	0.001134	3.797721	
3	2020	Terminal /	Lighting	Skid Steer	Diesel	75	0.21	20	0.001495	0.001623	1.46E-06	0.000218	0.000201	0.00034	0.21844	
3	2020	Terminal /	Lighting	Tractors/L	Diesel	100	0.21	20	0.001838	0.001423	1.87E-06	0.000254	0.000233	0.000362	0.291531	
3	2020	Terminal /	Markings	Flatbed Tr	Diesel	600	0.59	462.8571	0.039686	0.113487	0.000478	0.004576	0.00421	0.025617	87.89012	
3	2020	Terminal /	Markings	Other Gen	Diesel	175	0.43	462.8571	0.014731	0.053784	0.000111	0.003546	0.003263	0.00677	18.47768	
3	2020	Terminal /	Markings	Pickup Tru	Diesel	600	0.59	462.8571	0.039686	0.113487	0.000478	0.004576	0.00421	0.025617	87.89012	
3	2020	Terminal /	Sealing/Fu	Distributin	Diesel	600	0.59	59.94	0.005139	0.014697	6.19E-05	0.000593	0.000545	0.003342	11.38177	
3	2020	Terminal /	Sealing/Fu	Other Gen	Diesel	175	0.43	59.94	0.001908	0.006965	1.44E-05	0.000459	0.000423	0.000899	2.392859	
3	2020	Terminal /	Sealing/Fu	Pickup Tru	Diesel	600	0.59	59.94	0.005139	0.014697	6.19E-05	0.000593	0.000545	0.003342	11.38177	
3	2020	Terminal /	Soil Erosio	Other Gen	Diesel	175	0.43	20	0.000637	0.002324	4.79E-06	0.000153	0.000141	0.000317	0.798418	
3	2020	Terminal /	Soil Erosio	Pickup Tru	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.00224	7.595443	
3	2020	Terminal /	Soil Erosio	Pumps	Diesel	11	0.43	20	0.000465	0.000479	4.14E-07	4.35E-05	4.01E-05	6.87E-05	0.055665	
3	2020	Terminal /	Soil Erosio	Tractors/L	Diesel	100	0.21	20	0.001838	0.001423	1.87E-06	0.000254	0.000233	0.000362	0.291531	
3	2020	Terminal /	Subbase P	Dozer	Diesel	175	0.59	47.32105	0.001997	0.004607	1.49E-05	0.000411	0.000378	0.000848	2.620621	
3	2020	Terminal /	Subbase P	Dump Tru	Diesel	600	0.59	333	0.028552	0.081648	0.000344	0.003292	0.003029	0.018438	63.23206	
3	2020	Terminal /	Subbase P	Pickup Tru	Diesel	600	0.59	47.32105	0.004057	0.011603	4.89E-05	0.000468	0.00043	0.002645	8.985609	
3	2020	Terminal /	Subbase P	Roller	Diesel	100	0.59	46.10769	0.003909	0.003918	9.47E-06	0.00047	0.000432	0.000547	1.620303	
3	2020	Terminal /	Topsoil Pla	Dozer	Diesel	175	0.59	53.67467	0.002265	0.005225	1.69E-05	0.000466	0.000429	0.000959	2.972482	
3	2020	Terminal /	Topsoil Pla	Dump Tru	Diesel	600	0.59	53.67467	0.004602	0.01316	5.55E-05	0.000531	0.000488	0.002996	10.19207	
3	2020	Terminal /	Topsoil Pla	Pickup Tru	Diesel	600	0.59	53.67467	0.004602	0.01316	5.55E-05	0.000531	0.000488	0.002996	10.19207	
4	2020	Access Ro	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	4.995	0.000248	0.000571	1.60E-06	5.36E-05	4.93E-05	0.000123	0.276611	
4	2020	Access Ro	Asphalt Pl	Dump Tru	Diesel	600	0.59	17.98987	0.001542	0.004411	1.86E-05	0.000178	0.000164	0.001036	3.416025	
4	2020	Access Ro	Asphalt Pl	Other Gen	Diesel	175	0.43	9.99	0.000318	0.001161	2.39E-06	7.65E-05	7.04E-05	0.000183	0.39881	
4	2020	Access Ro	Asphalt Pl	Pickup Tru	Diesel	600	0.59	4.995	0.000428	0.001225	5.16E-06	4.94E-05	4.54E-05	0.000318	0.948481	
4	2020	Access Ro	Asphalt Pl	Roller	Diesel	100	0.59	4.995	0.000424	0.000424	1.03E-06	5.09E-05	4.68E-05	8.35E-05	0.175533	
4	2020	Access Ro	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.995	0.000373	0.000405	3.64E-07	5.45E-05	5.02E-05	0.000143	0.054555	
4	2020	Access Ro	Asphalt Pl	Surfacing E	Diesel	25	0.59	6.3936	0.000247	0.000464	4.17E-07	3.67E-05	3.38E-05	4.98E-05	0.056086	
4	2020	Access Ro	Clearing ar	Chain Saw	Diesel	11	0.7	14.4	0.035877	0.000162	1.71E-05	0.001191	0.001096	0.011305	0.076063	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	2020	Access Ro	Clearing ar	Chipper/Sh	Diesel	100	0.43	14.4	0.001159	0.002057	2.37E-06	0.000201	0.000185	0.000314	0.3649	
4	2020	Access Ro	Clearing ar	Pickup Tru	Diesel	600	0.59	19.2	0.001646	0.004708	1.98E-05	0.00019	0.000175	0.001103	3.645812	
4	2020	Access Ro	Concrete F	Air Compr	Diesel	100	0.43	13.32	0.000698	0.001133	2.05E-06	9.98E-05	9.18E-05	0.000159	0.337776	
4	2020	Access Ro	Concrete F	Concrete S	Diesel	40	0.59	13.32	0.000181	0.001148	1.06E-06	2.48E-05	2.28E-05	5.86E-05	0.187243	
4	2020	Access Ro	Concrete F	Concrete T	Diesel	600	0.59	55.5	0.004759	0.013608	5.74E-05	0.000549	0.000505	0.00311	10.53868	
4	2020	Access Ro	Concrete F	Other Gen	Diesel	175	0.43	26.64	0.000848	0.003096	6.38E-06	0.000204	0.000188	0.000426	1.063493	
4	2020	Access Ro	Concrete F	Pickup Tru	Diesel	600	0.59	39.96	0.003426	0.009798	4.13E-05	0.000395	0.000363	0.002251	7.587846	
4	2020	Access Ro	Concrete F	Rubber Tir	Diesel	175	0.59	13.32	0.000725	0.001693	4.31E-06	0.00016	0.000147	0.000285	0.737611	
4	2020	Access Ro	Concrete F	Slip Form I	Diesel	175	0.59	13.32	0.000662	0.001522	4.26E-06	0.000143	0.000132	0.000275	0.73763	
4	2020	Access Ro	Concrete F	Surfacing E	Diesel	25	0.59	13.32	0.000515	0.000966	8.68E-07	7.65E-05	7.04E-05	0.000103	0.116846	
4	2020	Access Ro	Curbing	Concrete T	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003358	11.39316	
4	2020	Access Ro	Curbing	Curb/Gutt	Diesel	175	0.59	60	0.002983	0.006856	1.92E-05	0.000644	0.000592	0.001126	3.322659	
4	2020	Access Ro	Curbing	Other Gen	Diesel	175	0.43	60	0.00191	0.006972	1.44E-05	0.00046	0.000423	0.000912	2.395255	
4	2020	Access Ro	Curbing	Pickup Tru	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003358	11.39316	
4	2020	Access Ro	Drainage -	Dozer	Diesel	175	0.59	48.32	0.002039	0.004704	1.52E-05	0.000419	0.000386	0.000874	2.675943	
4	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	48.32	0.004143	0.011848	4.99E-05	0.000478	0.00044	0.002713	9.175294	
4	2020	Access Ro	Drainage -	Excavator	Diesel	175	0.59	48.32	0.001607	0.003856	1.49E-05	0.000298	0.000274	0.000834	2.676033	
4	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	48.32	0.00263	0.00614	1.56E-05	0.000058	0.000533	0.000941	2.675779	
4	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	48.32	0.001538	0.005615	1.16E-05	0.00037	0.000341	0.000742	1.928978	
4	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	48.32	0.004143	0.011848	4.99E-05	0.000478	0.00044	0.002713	9.175294	
4	2020	Access Ro	Drainage -	Roller	Diesel	100	0.59	48.32	0.004097	0.004106	9.93E-06	0.000492	0.000453	0.000581	1.698047	
4	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	26.84444	0.002302	0.006582	2.77E-05	0.000265	0.000244	0.001525	5.097385	
4	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	26.84444	0.001461	0.003411	8.69E-06	0.000322	0.000296	0.000538	1.486544	
4	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	26.84444	0.000854	0.003119	6.43E-06	0.000206	0.000189	0.000429	1.071655	
4	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	26.84444	0.002302	0.006582	2.77E-05	0.000265	0.000244	0.001525	5.097385	
4	2020	Access Ro	Drainage -	Tractors/L	Diesel	100	0.21	26.84444	0.002467	0.00191	2.51E-06	0.000341	0.000313	0.000494	0.391299	
4	2020	Access Ro	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.123467	0.353072	0.001488	0.014237	0.013098	0.07965	273.4359	
4	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	22.2	0.000937	0.002161	6.97E-06	0.000193	0.000177	0.000416	1.229427	
4	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	22.2	0.001903	0.005443	2.29E-05	0.000219	0.000202	0.001269	4.21547	
4	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	22.2	0.001903	0.005443	2.29E-05	0.000219	0.000202	0.001269	4.21547	
4	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	10.24615	0.000869	0.000871	2.10E-06	0.000104	9.60E-05	0.000144	0.360067	
4	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	16.65	0.000703	0.001621	5.23E-06	0.000145	0.000133	0.000319	0.922071	
4	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	44.4	0.003807	0.010886	4.59E-05	0.000439	0.000404	0.002496	8.430941	
4	2020	Access Ro	Excavation	Excavator	Diesel	175	0.59	13.32	0.000443	0.001063	4.09E-06	8.21E-05	7.55E-05	0.000245	0.737681	
4	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	13.32	0.001142	0.003266	1.38E-05	0.000132	0.000121	0.000778	2.529282	
4	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	13.32	0.001129	0.001132	2.74E-06	0.000136	0.000125	0.000179	0.468088	
4	2020	Access Ro	Excavation	Scraper	Diesel	600	0.59	16.65	0.003541	0.008799	1.87E-05	0.000523	0.000481	0.001123	3.161377	
4	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	6.268235	0.000265	0.00061	1.97E-06	5.44E-05	5.01E-05	0.000137	0.347132	
4	2020	Access Ro	Fencing	Concrete T	Diesel	600	0.59	16.66667	0.001429	0.004086	1.72E-05	0.000165	0.000152	0.000963	3.164767	
4	2020	Access Ro	Fencing	Dump Tru	Diesel	600	0.59	66.66667	0.005716	0.016346	6.89E-05	0.000659	0.000606	0.003727	12.65907	
4	2020	Access Ro	Fencing	Other Gen	Diesel	175	0.43	66.66667	0.002122	0.007747	1.60E-05	0.000511	0.00047	0.001009	2.661394	
4	2020	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	66.66667	0.005716	0.016346	6.89E-05	0.000659	0.000606	0.003727	12.65907	
4	2020	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	66.66667	0.004982	0.00541	4.86E-06	0.000728	0.00067	0.00104	0.728135	
4	2020	Access Ro	Fencing	Tractors/L	Diesel	100	0.21	66.66667	0.006127	0.004743	6.23E-06	0.000846	0.000778	0.001065	0.97177	
4	2020	Access Ro	Grading	Dozer	Diesel	175	0.59	5.6987	0.00024	0.000555	1.79E-06	4.95E-05	4.55E-05	0.000127	0.315592	
4	2020	Access Ro	Grading	Grader	Diesel	300	0.59	5.6987	0.00027	0.000839	3.00E-06	4.18E-05	3.85E-05	0.000194	0.541033	
4	2020	Access Ro	Grading	Roller	Diesel	100	0.59	5.6987	0.000483	0.000484	1.17E-06	5.80E-05	5.34E-05	9.16E-05	0.200262	
4	2020	Access Ro	Hydroseed	Hydroseed	Diesel	600	0.59	5.134	0.00044	0.001259	5.31E-06	5.08E-05	4.67E-05	0.000325	0.974875	
4	2020	Access Ro	Hydroseed	Off-Road T	Diesel	600	0.59	5.134	0.00044	0.001259	5.31E-06	5.08E-05	4.67E-05	0.000325	0.974875	
4	2020	Access Ro	Markings	Flatbed Tr	Diesel	600	0.59	82.28571	0.007055	0.020176	8.50E-05	0.000814	0.000748	0.00459	15.62491	
4	2020	Access Ro	Markings	Other Gen	Diesel	175	0.43	82.28571	0.002619	0.009562	1.97E-05	0.00063	0.00058	0.001236	3.284921	
4	2020	Access Ro	Markings	Pickup Tru	Diesel	600	0.59	82.28571	0.007055	0.020176	8.50E-05	0.000814	0.000748	0.00459	15.62491	
4	2020	Access Ro	Sidewalks	Concrete T	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006675	22.78633	
4	2020	Access Ro	Sidewalks	Dump Tru	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006675	22.78633	
4	2020	Access Ro	Sidewalks	Pickup Tru	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006675	22.78633	
4	2020	Access Ro	Sidewalks	Tractors/L	Diesel	100	0.21	120	0.011029	0.008538	1.12E-05	0.001522	0.0014	0.00183	1.749186	
4	2020	Access Ro	Sidewalks	Vibratory (	Diesel	6	0.43	120	0.00152	0.001516	1.35E-06	0.000133	0.000122	0.00021	0.182204	
4	2020	Access Ro	Soil Erosio	Other Gen	Diesel	175	0.43	4.8	0.000153	0.000558	1.15E-06	3.68E-05	3.38E-05	0.000107	0.19162	
4	2020	Access Ro	Soil Erosio	Pickup Tru	Diesel	600	0.59	9.6	0.000823	0.002354	9.92E-06	9.49E-05	8.73E-05	0.000572	1.822906	
4	2020	Access Ro	Soil Erosio	Pumps	Diesel	11	0.43	4.8	0.000112	0.000115	9.93E-08	1.04E-05	9.61E-06	1.79E-05	0.01336	
4	2020	Access Ro	Soil Erosio	Tractors/L	Diesel	100	0.21	4.8	0.000441	0.000342	4.49E-07	6.09E-05	5.60E-05	0.000178	0.069967	
4	2020	Access Ro	Street Ligh	Dump Tru	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.002253	7.595442	
4	2020	Access Ro	Street Ligh	Loader	Diesel	175	0.59	40	0.002177	0.005083	1.29E-05	0.00048	0.000442	0.000785	2.215049	
4	2020	Access Ro	Street Ligh	Other Gen	Diesel	175	0.43	40	0.001273	0.004648	9.58E-06	0.000306	0.000282	0.00062	1.596836	
4	2020	Access Ro	Street Ligh	Pickup Tru	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.002253	7.595442	

4	2020	Access Ro	Street Ligh	Skid Steer	Diesel	75	0.21	40	0.002989	0.003246	2.91E-06	0.000437	0.000402	0.000652	0.436881		
4	2020	Access Ro	Street Ligh	Tractors/Lo	Diesel	100	0.21	40	0.003676	0.002846	3.74E-06	0.000507	0.000467	0.000683	0.583062		
4	2020	Access Ro	Subbase P	Dozer	Diesel	175	0.59	8.412632	0.000355	0.000819	2.64E-06	7.30E-05	6.72E-05	0.000175	0.465888		
4	2020	Access Ro	Subbase P	Dump Truc	Diesel	600	0.59	59.2	0.005076	0.014515	6.12E-05	0.000585	0.000538	0.003314	11.24125		
4	2020	Access Ro	Subbase P	Pickup Tru	Diesel	600	0.59	8.412632	0.000721	0.002063	8.69E-06	8.32E-05	7.65E-05	0.000506	1.597441		
4	2020	Access Ro	Subbase P	Roller	Diesel	100	0.59	8.196923	0.000695	0.000696	1.68E-06	8.35E-05	7.68E-05	0.00012	0.288054		
4	2020	Access Ro	Topsoil Pla	Dozer	Diesel	175	0.59	12.664	0.000534	0.001233	3.98E-06	0.00011	0.000101	0.000249	0.701327		
4	2020	Access Ro	Topsoil Pla	Dump Truc	Diesel	600	0.59	12.664	0.001086	0.003105	1.31E-05	0.000125	0.000115	0.000741	2.404717		
4	2020	Access Ro	Topsoil Pla	Pickup Tru	Diesel	600	0.59	12.664	0.001086	0.003105	1.31E-05	0.000125	0.000115	0.000741	2.404717		
4	2020	Access Ro	Tree Planti	Flatbed Tri	Diesel	600	0.59	0	0	0	0	0	0	4.14E-05	0		
4	2020	Access Ro	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	3.75E-05	0		
4	2020	Access Ro	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	4.14E-05	0		
4	2020	Access Ro	Tree Planti	Tractors/Lo	Diesel	100	0.21	0	0	0	0	0	0	0.000109	0		
4	2020	Building -	Concrete F	Backhoe	Diesel	100	0.21	480	0.044115	0.034153	4.49E-05	0.006089	0.005601	0.006994	6.996745		
4	2020	Building -	Concrete F	Concrete F	Diesel	11	0.43	180	0.004185	0.004312	3.72E-06	0.000392	0.000361	0.000603	0.500989		
4	2020	Building -	Concrete F	Concrete F	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019944	68.35898		
4	2020	Building -	Concrete F	Excavator	Diesel	175	0.59	160	0.005322	0.012769	4.92E-05	0.000986	0.000907	0.002714	8.861037		
4	2020	Building -	Concrete F	Fork Truck	Diesel	100	0.59	480	0.01448	0.01261	9.04E-05	0.000684	0.000629	0.00439	16.87111		
4	2020	Building -	Concrete F	Tool Truck	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006675	22.78633		
4	2020	Building -	Concrete F	Tractor Tra	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013309	45.57265		
4	2020	Building -	Constructi	Survey Cre	Diesel	600	0.59	10	0.000857	0.002452	1.03E-05	9.89E-05	9.10E-05	0.000594	1.89886		
4	2020	Building -	Constructi	Tractor Tra	Diesel	600	0.59	4	0.000343	0.000981	4.13E-06	3.95E-05	3.64E-05	0.000262	0.759544		
4	2020	Building -	Exterior W	Fork Truck	Diesel	100	0.59	840	0.025339	0.022068	0.000158	0.001197	0.001101	0.00768	29.52443		
4	2020	Building -	Exterior W	Generator	Diesel	40	0.43	80	0.001779	0.006134	5.20E-06	0.000342	0.000314	0.000485	0.811032		
4	2020	Building -	Exterior W	Grout Mix	Diesel	600	0.59	420	0.161174	0.376914	0.000504	0.023023	0.021181	0.031551	79.72974		
4	2020	Building -	Exterior W	Grout Wh	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008887	30.38177		
4	2020	Building -	Exterior W	Man Lift	Diesel	75	0.21	1680	0.115175	0.138655	0.000122	0.015702	0.014445	0.02294	18.35317		
4	2020	Building -	Exterior W	Tool Truck	Diesel	600	0.59	420	0.036011	0.102979	0.000434	0.004152	0.00382	0.023261	79.75214		
4	2020	Building -	Exterior W	Tractor Tra	Diesel	600	0.59	840	0.072023	0.205959	0.000868	0.008305	0.00764	0.04648	159.5043		
4	2020	Building -	Exterior W	Truck Tow	Diesel	300	0.43	80	0.002742	0.012455	3.16E-05	0.000532	0.000489	0.001845	5.475419		
4	2020	Building -	Interior Bu	Fork Truck	Diesel	100	0.59	1600	0.048265	0.042033	0.000301	0.00228	0.002098	0.014625	56.23702		
4	2020	Building -	Interior Bu	Man Lift	Diesel	75	0.21	3200	0.219382	0.264106	0.000233	0.029908	0.027515	0.043667	34.95841		
4	2020	Building -	Interior Bu	Tool Truck	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088496	303.8177		
4	2020	Building -	Interior Bu	Tractor Tra	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088496	303.8177		
4	2020	Building -	Roofing	High Lift	Diesel	100	0.59	160	0.004827	0.004203	3.01E-05	0.000228	0.00021	0.001465	5.623702		
4	2020	Building -	Roofing	Man Lift	Diesel	75	0.21	40	0.002742	0.003301	2.91E-06	0.000374	0.000344	0.000577	0.43698		
4	2020	Building -	Roofing	Material D	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003358	11.39316		
4	2020	Building -	Roofing	Tractor Tra	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.002253	7.595442		
4	2020	Building -	Roofing	Truck Tow	Diesel	300	0.43	120	0.004114	0.018682	4.74E-05	0.000797	0.000734	0.002744	8.213128		
4	2020	Building -	Security &	High Lift	Diesel	100	0.59	800	0.024133	0.021017	0.000151	0.00114	0.001049	0.007314	28.11851		
4	2020	Building -	Security &	Tool Truck	Diesel	600	0.59	800	0.068593	0.196151	0.000827	0.007909	0.007277	0.044268	151.9088		
4	2020	Building -	Structural	90 Ton Cra	Diesel	300	0.43	240	0.008227	0.037365	9.48E-05	0.001595	0.001467	0.00544	16.42626		
4	2020	Building -	Structural	Concrete F	Diesel	11	0.43	60	0.001395	0.001437	1.24E-06	0.000131	0.00012	0.000202	0.166996		
4	2020	Building -	Structural	Concrete T	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003358	11.39316		
4	2020	Building -	Structural	Fork Truck	Diesel	100	0.59	640	0.019306	0.016813	0.000121	0.000912	0.000839	0.005852	22.49481		
4	2020	Building -	Structural	Tool Truck	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008887	30.38177		
4	2020	Building -	Structural	Tractor Tra	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019944	68.35898		
4	2020	Building -	Structural	Trowel Ma	Diesel	600	0.59	40	0.01535	0.035897	4.80E-05	0.002193	0.002017	0.008166	7.593308		
4	2020	Building -	Structural	Truck Tow	Diesel	300	0.43	720	0.024682	0.112094	0.000284	0.004785	0.004402	0.016226	49.27877		
4	2020	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	28.09688	0.001397	0.00321	8.99E-06	0.000302	0.000277	0.000544	1.555939		
4	2020	Terminal A	Asphalt Pla	Dump Truc	Diesel	600	0.59	101.193	0.008676	0.024811	0.000105	0.001	0.00092	0.005636	19.21514		
4	2020	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	56.19375	0.001788	0.00653	1.35E-05	0.000431	0.000396	0.000856	2.243306		
4	2020	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	28.09688	0.002409	0.006889	2.90E-05	0.000278	0.000256	0.001595	5.335205		
4	2020	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	28.09688	0.002382	0.002387	5.77E-06	0.000286	0.000263	0.000349	0.987372		
4	2020	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	28.09688	0.0021	0.00228	2.05E-06	0.000307	0.000282	0.000479	0.306875		
4	2020	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	35.964	0.001391	0.002608	2.34E-06	0.000206	0.00019	0.000277	0.315484		
4	2020	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	60	0.149489	0.000674	7.14E-05	0.004964	0.004567	0.035259	0.31693	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
4	2020	Terminal A	Clearing ar	Chipper/SI	Diesel	100	0.43	60	0.004828	0.008572	9.86E-06	0.000836	0.000769	0.00107	1.520418		
4	2020	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	80	0.006859	0.019615	8.27E-05	0.000791	0.000728	0.004464	15.19088		
4	2020	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	74.9248	0.003924	0.006373	1.15E-05	0.000561	0.000516	0.000771	1.899987		
4	2020	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	74.9248	0.001018	0.006458	5.99E-06	0.000139	0.000128	0.000327	1.053242		
4	2020	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	312.1867	0.026767	0.076545	0.000323	0.003086	0.00284	0.0173	59.27989		
4	2020	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	149.8496	0.004769	0.017413	3.59E-05	0.001148	0.001056	0.002221	5.982133		
4	2020	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	224.7744	0.019272	0.055112	0.000232	0.002222	0.002044	0.012468	42.68152		
4	2020	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	74.9248	0.004077	0.009521	2.43E-05	0.000899	0.000827	0.00144	4.149053		
4	2020	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	74.9248	0.003725	0.008561	2.40E-05	0.000804	0.00074	0.001398	4.14916		
4	2020	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	74.9248	0.002898	0.005432	4.88E-06	0.00043	0.000396	0.000576	0.657257		
4	2020	Terminal A	Drainage -	Dozer	Diesel	175	0.59	5.12	0.000216	0.000498	1.61E-06	4.44E-05	4.09E-05	0.000117	0.283544		
4	2020	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	5.12	0.000439	0.001255	5.29E-06	5.06E-05	4.66E-05	0.000324	0.972217		
4	2020	Terminal A	Drainage -	Excavator	Diesel	175	0.59	5.12	0.00017	0.000409	1.57E-06	3.15E-05	2.90E-05	0.000107	0.283553		
4	2020	Terminal A	Drainage -	Loader	Diesel	175	0.59	5.12	0.000279	0.000651	1.66E-06	6.14E-05	5.65E-05	0.000131	0.283526		
4	2020	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	5.12	0.000163	0.000595	1.23E-06	3.92E-05	3.61E-05	0.000112	0.204395		
4	2020	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	5.12	0.000439	0.001255	5.29E-06	5.06E-05	4.66E-05	0.000324	0.972217		
4	2020	Terminal A	Drainage -	Roller	Diesel	100	0.59	5.12	0.000434	0.000435	1.05E-06	5.21E-05	4.80E-05	8.49E-05	0.179926		
4	2020	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	2.844444	0.000244	0.000697	2.94E-06	2.81E-05	2.59E-05	0.000199	0.54012		
4	2020	Terminal A	Drainage -	Loader	Diesel	175	0.59	2.844444	0.000155	0.000361	9.21E-07	3.41E-05	3.14E-05	8.86E-05	0.157515		
4	2020	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	2.844444	9.05E-05	0.000331	6.81E-07	2.18E-05	2.01E-05	7.89E-05	0.113553		
4	2020	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	2.844444	0.000244	0.000697	2.94E-06	2.81E-05	2.59E-05	0.000199	0.54012		
4	2020	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	2.844444	0.000261	0.000202	2.66E-07	3.61E-05	3.32E-05	0.00015	0.041462		
4	2020	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.123467	0.353072	0.001488	0.014237	0.013098	0.07965	273.4359		
4	2020	Terminal A	Excavation	Dozer	Diesel	175	0.59	124.8747	0.00527	0.012157	3.92E-05	0.001084	0.000997	0.002215	6.915511		
4	2020	Terminal A	Excavation	Dump Truc	Diesel	600	0.59	124.8747	0.010707	0.030618	0.000129	0.001235	0.001136	0.006945	23.71196		
4	2020	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	124.8747	0.010707	0.030618	0.000129	0.001235	0.001136	0.006945	23.71196		
4	2020	Terminal A	Excavation	Roller	Diesel	100	0.59	57.63446	0.004887	0.004897	1.18E-05	0.000587	0.00054	0.000688	2.025373		
4	2020	Terminal A	Excavation	Dozer	Diesel	175	0.59	93.656	0.003952	0.009118	2.94E-05	0.000813	0.000748	0.001668	5.186633		
4	2020	Terminal A	Excavation	Dump Truc	Diesel	600	0.59	249.7493	0.021414	0.061236	0.000258	0.002469	0.002272	0.013848	47.42391		
4	2020	Terminal A	Excavation	Excavator	Diesel	175	0.59	74.9248	0.002492	0.00598	2.30E-05	0.000462	0.000425	0.001282	4.149446		
4	2020	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	74.9248	0.006424	0.018371	7.74E-05	0.000741	0.000681	0.004183	14.22717		
4	2020	Terminal A	Excavation	Roller	Diesel	100	0.59	74.9248	0.006353	0.006366	1.54E-05	0.000763	0.000702	0.000886	2.632985		
4	2020	Terminal A	Excavation	Scraper	Diesel	600	0.59	93.656	0.01992	0.049492	0.000105	0.002941	0.002706	0.00576	17.7827		
4	2020	Terminal A	Excavation	Dozer	Diesel	175	0.59	35.25882	0.001488	0.003433	1.11E-05	0.000306	0.000282	0.000645	1.95262		
4	2020	Terminal A	Fencing	Concrete T	Diesel	600	0.59	1.666667	0.000143	0.000409	1.72E-06	1.65E-05	1.52E-05	0.000133	0.316477		
4	2020	Terminal A	Fencing	Dump Truc	Diesel	600	0.59	6.666667	0.000572	0.001635	6.89E-06	6.59E-05	6.06E-05	0.00041	1.265907		
4	2020	Terminal A	Fencing	Other Gen	Diesel	175	0.43	6.666667	0.000212	0.000775	1.60E-06	5.11E-05	4.70E-05	0.000135	0.266139		
4	2020	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	6.666667	0.000572	0.001635	6.89E-06	6.59E-05	6.06E-05	0.00041	1.265907		
4	2020	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	6.666667	0.000498	0.000541	4.86E-07	7.28E-05	6.70E-05	0.000168	0.072813		
4	2020	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	6.666667	0.000613	0.000474	6.23E-07	8.46E-05	7.78E-05	0.000205	0.097177		
4	2020	Terminal A	Grading	Dozer	Diesel	175	0.59	24.1536	0.001019	0.002351	7.59E-06	0.00021	0.000193	0.00045	1.337617		
4	2020	Terminal A	Grading	Grader	Diesel	300	0.59	24.1536	0.001146	0.003555	1.27E-05	0.000177	0.000163	0.000726	2.293136		
4	2020	Terminal A	Grading	Roller	Diesel	100	0.59	24.1536	0.002048	0.002052	4.96E-06	0.000246	0.000226	0.000303	0.848799		
4	2020	Terminal A	Hydroseed	Hydroseed	Diesel	600	0.59	21.76	0.001866	0.005335	2.25E-05	0.000215	0.000198	0.001244	4.13192		
4	2020	Terminal A	Hydroseed	Off-Road T	Diesel	600	0.59	21.76	0.001866	0.005335	2.25E-05	0.000215	0.000198	0.001244	4.13192		
4	2020	Terminal A	Lighting	Dump Truc	Diesel	600	0.59	20	0.001715	0.004904	2.07E-05	0.000198	0.000182	0.001147	3.797721		
4	2020	Terminal A	Lighting	Loader	Diesel	175	0.59	20	0.001088	0.002542	6.47E-06	0.00024	0.000221	0.00041	1.107525		
4	2020	Terminal A	Lighting	Other Gen	Diesel	175	0.43	20	0.000637	0.002324	4.79E-06	0.000153	0.000141	0.000329	0.798418		
4	2020	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	20	0.001715	0.004904	2.07E-05	0.000198	0.000182	0.001147	3.797721		
4	2020	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	20	0.001495	0.001623	1.46E-06	0.000218	0.000201	0.000362	0.21844		
4	2020	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	20	0.001838	0.001423	1.87E-06	0.000254	0.000233	0.000396	0.291531		
4	2020	Terminal A	Markings	Flatbed Tri	Diesel	600	0.59	462.8571	0.039686	0.113487	0.000478	0.004576	0.00421	0.02563	87.89011		
4	2020	Terminal A	Markings	Other Gen	Diesel	175	0.43	462.8571	0.014731	0.053784	0.000111	0.003546	0.003263	0.006782	18.47768		
4	2020	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	462.8571	0.039686	0.113487	0.000478	0.004576	0.00421	0.02563	87.89011		
4	2020	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	59.94	0.005139	0.014697	6.19E-05	0.000593	0.000545	0.003355	11.38177		
4	2020	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	59.94	0.001908	0.006965	1.44E-05	0.000459	0.000423	0.000911	2.392859		
4	2020	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	59.94	0.005139	0.014697	6.19E-05	0.000593	0.000545	0.003355	11.38177		
4	2020	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	20	0.000637	0.002324	4.79E-06	0.000153	0.000141	0.000329	0.798418		
4	2020	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.002253	7.595442		
4	2020	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	20	0.000465	0.000479	4.14E-07	4.35E-05	4.01E-05	6.87E-05	0.055665		
4	2020	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	20	0.001838	0.001423	1.87E-06	0.000254	0.000233	0.000396	0.291531		
4	2020	Terminal A	Subbase P	Dozer	Diesel	175	0.59	47.32105	0.001997	0.004607	1.49E-05	0.000411	0.000378	0.000856	2.620622		
4	2020	Terminal A	Subbase P	Dump Truc	Diesel	600	0.59	333	0.028552	0.081648	0.000344	0.003292	0.003029	0.018451	63.23205		
4	2020	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	47.32105	0.004057	0.011603	4.89E-05	0.000468	0.00043	0.002657	8.985608		
4	2020	Terminal A	Subbase P	Roller	Diesel	100	0.59	46.10769	0.003909	0.003918	9.47E-06	0.00047	0.000432	0.000555	1.620303		
4	2020	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	53.67467	0.002265	0.005225	1.69E-05	0.000466	0.000429	0.000967	2.972482		
4	2020	Terminal A	Topsoil Pla	Dump Truc	Diesel	600	0.59	53.67467	0.004602	0.01316	5.55E-05	0.000531	0.000488	0.003009	10.19207		
4	2020	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	53.67467	0.004602	0.01316	5.55E-05	0.000531	0.000488	0.003009	10.19207		

On-Road Sources
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Scenario ID	Year	Project	Equipment	Equipment	On-road A	Fuel	Roadway T	Round Trip	Distance fr	Number of	Number of	Number of	Project Len	Project Wi	Project Are	Building He	Open Spac	Number of	Activity Ra	VMT	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
1	2019	Building -	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--	129	--	--	100000	--	--	--	--	23125	0.030704	0.062945	0.000224	0.002152	0.002087	0.001231	29.02024	0.005404	0.001601
1	2019	Building -	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--	129	--	--	100000	--	--	--	--	12333	0.017528	0.034	0.00012	0.001149	0.001114	0.000809	15.49472	0.002882	0.000854
1	2019	Building -	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	114.73	114.73	129	--	--	--	--	--	--	--	444005	5.48299	0.136979	0.003392	0.011502	0.010591	0.15593	168.8821	0.030926	0.001961
1	2019	Building -	Tractor Tra	Combinati	Material D	Diesel	Urban Unr	40	5	1	--	129	--	--	100000	--	--	--	0.0024	2400	0.006796	0.015134	4.41E-05	0.000661	0.000641	0.001509	5.638654	0.00078	0.000157
1	2019	Parking Lo	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--	129	1200	197.5	--	--	--	--	--	3439	0.008405	0.021179	6.30E-05	0.000945	0.000917	0.001513	8.058274	0.001118	0.000226
1	2019	Parking Lo	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	6	--	129	1200	197.5	--	--	--	--	--	54806	0.069572	0.147984	0.000531	0.005097	0.004944	0.002495	68.7286	0.012807	0.003793
1	2019	Parking Lo	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--	129	1200	197.5	--	--	--	--	--	4872	0.007529	0.013657	4.74E-05	0.000454	0.000441	0.0004	6.130278	0.001138	0.000337
1	2019	Parking Lo	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--	129	1200	197.5	--	--	--	--	--	29230	0.036529	0.07871	0.000283	0.002718	0.002636	0.001255	36.64658	0.00683	0.002023
1	2019	Parking Lo	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	77	77	129	--	--	--	--	--	--	--	297990	3.679859	0.091933	0.002277	0.007719	0.007108	0.104651	113.3437	0.020755	0.001316
1	2019	Terminal A	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--	129	150	1350	--	--	--	--	--	2938	0.007629	0.018264	5.39E-05	0.000808	0.000784	0.001511	6.891547	0.000955	0.000193

1	2019	Terminal /	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	5	--		129	150	1350	--	--	--	--	--		46828	0.05908	0.126306	0.000454	0.004355	0.004224	0.002084	58.71832	0.010942	0.003241
1	2019	Terminal /	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	150	1350	--	--	--	--	--		4163	0.006852	0.011826	4.06E-05	0.000389	0.000377	0.000397	5.244598	0.000973	0.000288
1	2019	Terminal /	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	150	1350	--	--	--	--	--		24975	0.032469	0.067722	0.000242	0.002323	0.002254	0.001238	31.33125	0.005836	0.001729
1	2019	Terminal /	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	76	76		129	--	--	--	--	--	--	--		294120	3.632069	0.090739	0.002247	0.007619	0.007016	0.103292	111.8717	0.020486	0.001299
2	2019	Building - :	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	--	--	100000	--	--	--	--		23125	0.029239	0.056086	0.000241	0.002153	0.002089	0.000563	31.17907	0.005452	0.001601
2	2019	Building - :	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	--	--	100000	--	--	--	--		12333	0.016551	0.029934	0.000129	0.001149	0.001115	0.000363	16.63937	0.002908	0.000854
2	2019	Building - :	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	114.73	114.73		129	--	--	--	--	--	--	--		444005	1.594991	0.131438	0.003277	0.002815	0.002592	0.099971	172.391	0.032707	0.002047
2	2019	Building - :	Tractor Tra	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	--	--	100000	--	--	--	--	0.0024	2400	0.00625	0.013188	4.65E-05	0.000661	0.000642	0.001569	5.947733	0.00079	0.000157
2	2019	Parking Lo	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	1200	197.5	--	--	--	--	--		3439	0.007858	0.018848	6.65E-05	0.000946	0.000917	0.001573	8.509018	0.001132	0.000226
2	2019	Parking Lo	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	6	--		129	1200	197.5	--	--	--	--	--		54806	0.066642	0.132862	0.000571	0.0051	0.004947	0.001158	73.86357	0.012921	0.003793
2	2019	Parking Lo	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	1200	197.5	--	--	--	--	--		4872	0.00704	0.011837	5.09E-05	0.000455	0.000441	0.000177	6.578946	0.001149	0.000337
2	2019	Parking Lo	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	1200	197.5	--	--	--	--	--		29230	0.035064	0.070849	0.000305	0.002719	0.002638	0.000586	39.38859	0.006891	0.002023
2	2019	Parking Lo	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	85	85		129	--	--	--	--	--	--	--		328950	1.181681	0.097378	0.002428	0.002086	0.00192	0.074066	127.7193	0.024232	0.001516
2	2019	Terminal /	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	150	1350	--	--	--	--	--		2938	0.007083	0.016119	5.69E-05	0.000809	0.000784	0.001571	7.273981	0.000967	0.000193
2	2019	Terminal /	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	5	--		129	150	1350	--	--	--	--	--		46828	0.056638	0.113514	0.000488	0.004357	0.004227	0.00097	63.10792	0.01104	0.003241
2	2019	Terminal /	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	150	1350	--	--	--	--	--		4163	0.006364	0.010122	4.35E-05	0.000389	0.000377	0.000174	5.625539	0.000981	0.000288
2	2019	Terminal /	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	150	1350	--	--	--	--	--		24975	0.031004	0.06056	0.00026	0.002325	0.002255	0.00057	33.6668	0.005888	0.001729
2	2019	Terminal /	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	76	76		129	--	--	--	--	--	--	--		294120	1.056562	0.087068	0.002171	0.001865	0.001717	0.066224	114.1961	0.021666	0.001356
3	2020	Access Ro	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	1500	24	--	--	--	--	--		522	0.003806	0.003914	9.86E-06	0.000129	0.000125	0.001513	1.265206	0.000154	3.48E-05
3	2020	Access Ro	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	1500	24	--	--	--	--	--		8325	0.010167	0.02087	8.05E-05	0.00068	0.00066	0.000403	10.44377	0.001744	0.000579
3	2020	Access Ro	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	1500	24	--	--	--	--	--		740	0.003528	0.002835	7.47E-06	6.27E-05	6.08E-05	0.000374	0.968623	0.000155	5.15E-05
3	2020	Access Ro	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	1500	24	--	--	--	--	--		4440	0.006767	0.011633	4.31E-05	0.000364	0.000353	0.000388	5.590647	0.00093	0.000309
3	2020	Access Ro	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	86	86		129	--	--	--	--	--	--	--		332820	4.056347	0.094722	0.002506	0.008478	0.007807	0.108535	124.7611	0.02192	0.001458
3	2020	Building - :	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	--	--	100000	--	--	--	--		23125	0.028883	0.058212	0.000224	0.001889	0.001833	0.001203	29.02031	0.004843	0.00161
3	2020	Building - :	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	--	--	100000	--	--	--	--		12333	0.016556	0.031476	0.000119	0.001009	0.000978	0.00079	15.49477	0.002583	0.000858
3	2020	Building - :	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	114.73	114.73		129	--	--	--	--	--	--	--		444005	5.41145	0.126366	0.003343	0.01131	0.010415	0.144793	166.44	0.029243	0.001945
3	2020	Building - :	Tractor Tra	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	--	--	100000	--	--	--	--	0.0024	2400	0.006419	0.013775	4.39E-05	0.000578	0.00056	0.00152	5.638686	0.000707	0.00016
3	2020	Terminal /	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	150	1350	--	--	--	--	--		2938	0.007167	0.0166	5.36E-05	0.000706	0.000685	0.001522	6.891579	0.000866	0.000196
3	2020	Terminal /	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	5	--		129	150	1350	--	--	--	--	--		46828	0.055391	0.116722	0.000452	0.003823	0.003709	0.002036	58.71843	0.009808	0.00326
3	2020	Terminal /	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	150	1350	--	--	--	--	--		4163	0.006524	0.010974	4.04E-05	0.000341	0.000331	0.000387	5.24462	0.000872	0.00029
3	2020	Terminal /	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	150	1350	--	--	--	--	--		24975	0.030502	0.06261	0.000241	0.00204	0.001979	0.00121	31.33132	0.005231	0.001738
3	2020	Terminal /	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	76	76		129	--	--	--	--	--	--	--		294120	3.584679	0.083708	0.002214	0.007492	0.006899	0.095915	110.254	0.019371	0.001289
4	2020	Access Ro	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	1500	24	--	--	--	--	--		522	0.00326	0.002681	1.03E-05	0.000129	0.000125	0.001591	1.318263	0.000156	3.48E-05
4	2020	Access Ro	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	1500	24	--	--	--	--	--		8325	0.009679	0.018591	8.65E-05	0.00068	0.00066	0.000188	11.22246	0.001761	0.000579
4	2020	Access Ro	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	1500	24	--	--	--	--	--		740	0.00304	0.001703	7.88E-06	6.27E-05	6.08E-05	0.000159	1.022589	0.000157	5.15E-05
4	2020	Access Ro	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	1500	24	--	--	--	--	--		4440	0.006278	0.009941	4.62E-05	0.000364	0.000353	0.000173	5.998138	0.000939	0.000309
4	2020	Access Ro	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	86	86		129	--	--	--	--	--	--	--		332820	1.171469	0.089997	0.002421	0.002087	0.001922	0.072516	127.3558	0.023219	0.001525
4	2020	Building - :	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	--	--	100000	--	--	--	--		23125	0.027418	0.051654	0.00024	0.00189	0.001834	0.000558	31.17962	0.004891	0.00161
4	2020	Building - :	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	--	--	100000	--	--	--	--		12333	0.015579	0.02757	0.000128	0.001009	0.000979	0.00036	16.63967	0.002609	0.000858
4	2020	Building - :	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	114.73	114.73		129	--	--	--	--	--	--	--		444005	1.562821	0.120062	0.00323	0.002785	0.002564	0.096742	169.9015	0.030976	0.002034
4	2020	Building - :	Tractor Tra	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	--	--	100000	--	--	--	--	0.0024	2400	0.005872	0.011915	4.63E-05	0.000578	0.000561	0.001598	5.947978	0.000717	0.00016
4	2020	Terminal /	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	150	1350	--	--	--	--	--		2938	0.00662	0.014561	5.66E-05	0.000706	0.000685	0.0016	7.274275	0.000878	0.000196
4	2020	Terminal /	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	5	--		129	150	1350	--	--	--	--	--		46828	0.05295	0.104539	0.000486	0.003826	0.003711	0.000961	63.10901	0.009905	0.00326
4	2020	Terminal /	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	150	1350	--	--	--	--	--		4163	0.006036	0.009324	4.33E-05	0.000341	0.000331	0.000172	5.625644	0.000881	0.00029
4	2020	Terminal /	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	150	1350	--	--	--	--	--		24975	0.029037	0.055773	0.000259	0.002041	0.00198	0.000565	33.66739	0.005283	0.001738
4	2020	Terminal /	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	76	76		129	--	--	--	--	--	--	--		294120	1.035252	0.079532	0.002139	0.001845	0.001699	0.064084	112.547	0.02052	0.001347

Fugitive Sources
Units for Non-Greenhouse Gases Emission: Short Ton

Scenario ID	Year	Project	Fugitive Sc	Number of	CO	NOx	SO2	PM10	VOC
1	2019	Building - :	Concrete M	6	0	0	0	0.08555	0
1	2019	Building - :	Material M	6	0	0	0	0.01495	0
1	2019	Building - :	Material M	6	0	0	0	0.04555	0
1	2019	Parking Lo	Asphalt Dr	6	0	0	0	0	8.79205
1	2019	Parking Lo	Asphalt Sto	6	0.57345	0.0358	0.0066	0.03925	0.01775
1	2019	Parking Lo	Material M	6	0	0	0	0.03295	0
1	2019	Parking Lo	Material M	6	0	0	0	0.1072	0
1	2019	Parking Lo	Soil Handli	6	0	0	0	0.0671	0
1	2019	Parking Lo	Unstabilize	6	0	0	0	4.78E-08	0
1	2019	Terminal /	Asphalt Dr	6	0	0	0	0	7.5122
1	2019	Terminal /	Asphalt Sto	6	0.48995	0.0306	0.00565	0.03355	0.01515
1	2019	Terminal /	Concrete M	6	0	0	0	0.17325	0
1	2019	Terminal /	Material M	6	0	0	0	0.02995	0
1	2019	Terminal /	Material M	6	0	0	0	0.09555	0
1	2019	Terminal /	Soil Handli	6	0	0	0	0.0573	0
1	2019	Terminal /	Unstabilize	6	0	0	0	4.09E-08	0
2	2019	Building - :	Concrete M	6	0	0	0	0.08555	0
2	2019	Building - :	Material M	6	0	0	0	0.01495	0
2	2019	Building - :	Material M	6	0	0	0	0.04555	0
2	2019	Parking Lo	Asphalt Dr	6	0	0	0	0	8.79205
2	2019	Parking Lo	Asphalt Sto	6	0.57345	0.0358	0.0066	0.03925	0.01775
2	2019	Parking Lo	Concrete M	6	0	0	0	0.2028	0
2	2019	Parking Lo	Material M	6	0	0	0	0.03295	0
2	2019	Parking Lo	Material M	6	0	0	0	0.1072	0
2	2019	Parking Lo	Soil Handli	6	0	0	0	0.0671	0
2	2019	Parking Lo	Unstabilize	6	0	0	0	4.78E-08	0
2	2019	Terminal /	Asphalt Dr	6	0	0	0	0	7.5122
2	2019	Terminal /	Asphalt Sto	6	0.48995	0.0306	0.00565	0.03355	0.01515
2	2019	Terminal /	Concrete M	6	0	0	0	0.17325	0
2	2019	Terminal /	Material M	6	0	0	0	0.02995	0
2	2019	Terminal /	Material M	6	0	0	0	0.09555	0
2	2019	Terminal /	Soil Handli	6	0	0	0	0.0573	0
2	2019	Terminal /	Unstabilize	6	0	0	0	4.09E-08	0
3	2020	Access Ro	Asphalt Dr	6	0	0	0	0	1.3355
3	2020	Access Ro	Asphalt Sto	6	0.0871	0.00545	0.001001	0.00595	0.002698
3	2020	Access Ro	Concrete M	6	0	0	0	0.0308	0
3	2020	Access Ro	Material M	6	0	0	0	0.01195	0
3	2020	Access Ro	Material M	6	0	0	0	0.03885	0
3	2020	Access Ro	Soil Handli	6	0	0	0	0.0102	0
3	2020	Access Ro	Unstabilize	6	0	0	0	7.26E-09	0
3	2020	Building - :	Concrete M	6	0	0	0	0.08555	0
3	2020	Building - :	Material M	6	0	0	0	0.01495	0
3	2020	Building - :	Material M	6	0	0	0	0.04555	0
3	2020	Terminal /	Asphalt Dr	6	0	0	0	0	7.5122
3	2020	Terminal /	Asphalt Sto	6	0.48995	0.0306	0.00565	0.03355	0.01515
3	2020	Terminal /	Concrete M	6	0	0	0	0.17325	0
3	2020	Terminal /	Material M	6	0	0	0	0.02995	0
3	2020	Terminal /	Material M	6	0	0	0	0.09555	0
3	2020	Terminal /	Soil Handli	6	0	0	0	0.0573	0
3	2020	Terminal /	Unstabilize	6	0	0	0	4.09E-08	0
4	2020	Access Ro	Asphalt Dr	6	0	0	0	0	1.3355
4	2020	Access Ro	Asphalt Sto	6	0.0871	0.00545	0.001001	0.00595	0.002698
4	2020	Access Ro	Concrete M	6	0	0	0	0.0308	0
4	2020	Access Ro	Material M	6	0	0	0	0.01195	0
4	2020	Access Ro	Material M	6	0	0	0	0.03885	0
4	2020	Access Ro	Soil Handli	6	0	0	0	0.0102	0
4	2020	Access Ro	Unstabilize	6	0	0	0	7.26E-09	0
4	2020	Building - :	Concrete M	6	0	0	0	0.08555	0
4	2020	Building - :	Material M	6	0	0	0	0.01495	0
4	2020	Building - :	Material M	6	0	0	0	0.04555	0
4	2020	Terminal /	Asphalt Dr	6	0	0	0	0	7.5122
4	2020	Terminal /	Asphalt Sto	6	0.48995	0.0306	0.00565	0.03355	0.01515
4	2020	Terminal /	Concrete M	6	0	0	0	0.17325	0
4	2020	Terminal /	Material M	6	0	0	0	0.02995	0
4	2020	Terminal /	Material M	6	0	0	0	0.09555	0
4	2020	Terminal /	Soil Handli	6	0	0	0	0.0573	0
4	2020	Terminal /	Unstabilize	6	0	0	0	4.09E-08	0

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INPUT DATA AND SPECIFICATIONS

State/County
Colorado
La Plata County

Scenarios

Scenario ID	Year	Number of	Season	Average D	Max Daily	Min Daily Temp Change (degF)
1	2019	6	Winter	10 < T <= 3	10 <= Char	10 <= Change in T < 20
2	2019	6	Summer	50 < T <= 8	10 <= Char	10 <= Change in T < 20
3	2020	6	Winter	10 < T <= 3	10 <= Char	10 <= Change in T < 20
4	2020	6	Summer	50 < T <= 8	10 <= Char	10 <= Change in T < 20
5						

Project Final Selections

Scenario ID	Project	Constructi	Equipment	Fuel Type
1	Building - :	Concrete F	Backhoe	Diesel
1	Building - :	Concrete F	Concrete F	Diesel

1	Building - :	Concrete F	Concrete F	Diesel	
1	Building - :	Concrete F	Excavator	Diesel	
1	Building - :	Concrete F	Fork Truck	Diesel	
1	Building - :	Concrete F	Tool Truck	Diesel	
1	Building - :	Concrete F	Tractor Tra	Diesel	
1	Building - :	Constructi	Survey Cre	Diesel	
1	Building - :	Constructi	Tractor Tra	Diesel	
1	Building - :	Exterior W	Fork Truck	Diesel	
1	Building - :	Exterior W	Generator	Diesel	
1	Building - :	Exterior W	Grout Mixi	Diesel	
1	Building - :	Exterior W	Grout Wha	Diesel	
1	Building - :	Exterior W	Man Lift	Diesel	
1	Building - :	Exterior W	Tool Truck	Diesel	
1	Building - :	Exterior W	Tractor Tra	Diesel	
1	Building - :	Exterior W	Truck Tow	Diesel	
1	Building - :	Interior Bu	Fork Truck	Diesel	
1	Building - :	Interior Bu	Man Lift	Diesel	
1	Building - :	Interior Bu	Tool Truck	Diesel	
1	Building - :	Interior Bu	Tractor Tra	Diesel	
1	Building - :	Roofing	High Lift	Diesel	
1	Building - :	Roofing	Man Lift	Diesel	
1	Building - :	Roofing	Material D	Diesel	
1	Building - :	Roofing	Tractor Tra	Diesel	
1	Building - :	Roofing	Truck Tow	Diesel	
1	Building - :	Security &	High Lift	Diesel	
1	Building - :	Security &	Tool Truck	Diesel	
1	Building - :	Structural	90 Ton Cra	Diesel	
1	Building - :	Structural	Concrete F	Diesel	
1	Building - :	Structural	Concrete T	Diesel	
1	Building - :	Structural	Fork Truck	Diesel	
1	Building - :	Structural	Tool Truck	Diesel	
1	Building - :	Structural	Tractor Tra	Diesel	
1	Building - :	Structural	Trowel Ma	Diesel	
1	Building - :	Structural	Truck Tow	Diesel	
1	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	
1	Parking Lo	Asphalt Pl	Dump Truc	Diesel	
1	Parking Lo	Asphalt Pl	Other Gen	Diesel	
1	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	
1	Parking Lo	Asphalt Pl	Roller	Diesel	
1	Parking Lo	Asphalt Pl	Skid Steer	Diesel	
1	Parking Lo	Asphalt Pl	Surfacing E	Diesel	
1	Parking Lo	Clearing a	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Parking Lo	Clearing a	Chipper/St	Diesel	
1	Parking Lo	Clearing a	Pickup Tru	Diesel	
1	Parking Lo	Curbing	Concrete T	Diesel	
1	Parking Lo	Curbing	Curb/Gutt	Diesel	
1	Parking Lo	Curbing	Other Gen	Diesel	
1	Parking Lo	Curbing	Pickup Tru	Diesel	
1	Parking Lo	Drainage -	Dozer	Diesel	
1	Parking Lo	Drainage -	Dump Truc	Diesel	
1	Parking Lo	Drainage -	Excavator	Diesel	
1	Parking Lo	Drainage -	Loader	Diesel	
1	Parking Lo	Drainage -	Other Gen	Diesel	
1	Parking Lo	Drainage -	Pickup Tru	Diesel	
1	Parking Lo	Drainage -	Roller	Diesel	
1	Parking Lo	Drainage -	Dump Truc	Diesel	
1	Parking Lo	Drainage -	Loader	Diesel	
1	Parking Lo	Drainage -	Other Gen	Diesel	
1	Parking Lo	Drainage -	Pickup Tru	Diesel	
1	Parking Lo	Drainage -	Tractors/Lo	Diesel	
1	Parking Lo	Excavatior	Dozer	Diesel	
1	Parking Lo	Excavatior	Dump Truc	Diesel	
1	Parking Lo	Excavatior	Pickup Tru	Diesel	
1	Parking Lo	Excavatior	Roller	Diesel	
1	Parking Lo	Excavatior	Dozer	Diesel	
1	Parking Lo	Excavatior	Dump Truc	Diesel	
1	Parking Lo	Excavatior	Excavator	Diesel	
1	Parking Lo	Excavatior	Pickup Tru	Diesel	
1	Parking Lo	Excavatior	Roller	Diesel	
1	Parking Lo	Excavatior	Scraper	Diesel	
1	Parking Lo	Excavatior	Dozer	Diesel	
1	Parking Lo	Fencing	Concrete T	Diesel	
1	Parking Lo	Fencing	Dump Truc	Diesel	
1	Parking Lo	Fencing	Other Gen	Diesel	
1	Parking Lo	Fencing	Pickup Tru	Diesel	
1	Parking Lo	Fencing	Skid Steer	Diesel	
1	Parking Lo	Fencing	Tractors/Lo	Diesel	
1	Parking Lo	Grading	Dozer	Diesel	
1	Parking Lo	Grading	Grader	Diesel	
1	Parking Lo	Grading	Roller	Diesel	
1	Parking Lo	Hydroseec	Hydroseed	Diesel	
1	Parking Lo	Hydroseec	Off-Road T	Diesel	
1	Parking Lo	Markings	Flatbed Tra	Diesel	
1	Parking Lo	Markings	Other Gen	Diesel	
1	Parking Lo	Markings	Pickup Tru	Diesel	
1	Parking Lo	Sidewalks	Concrete T	Diesel	
1	Parking Lo	Sidewalks	Dump Truc	Diesel	
1	Parking Lo	Sidewalks	Pickup Tru	Diesel	
1	Parking Lo	Sidewalks	Tractors/Lo	Diesel	
1	Parking Lo	Sidewalks	Vibratory (	Diesel	
1	Parking Lo	Soil Erosio	Other Gen	Diesel	
1	Parking Lo	Soil Erosio	Pickup Tru	Diesel	
1	Parking Lo	Soil Erosio	Pumps	Diesel	
1	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	
1	Parking Lo	Street Ligh	Dump Truc	Diesel	
1	Parking Lo	Street Ligh	Loader	Diesel	
1	Parking Lo	Street Ligh	Other Gen	Diesel	
1	Parking Lo	Street Ligh	Pickup Tru	Diesel	
1	Parking Lo	Street Ligh	Skid Steer	Diesel	
1	Parking Lo	Street Ligh	Tractors/Lo	Diesel	
1	Parking Lo	Subbase P	Dozer	Diesel	
1	Parking Lo	Subbase P	Dump Truc	Diesel	
1	Parking Lo	Subbase P	Pickup Tru	Diesel	
1	Parking Lo	Subbase P	Roller	Diesel	
1	Parking Lo	Topsoil Pla	Dozer	Diesel	
1	Parking Lo	Topsoil Pla	Dump Truc	Diesel	
1	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	
1	Parking Lo	Tree Plant	Flatbed Tra	Diesel	
1	Parking Lo	Tree Plant	Other Gen	Diesel	
1	Parking Lo	Tree Plant	Pickup Tru	Diesel	
1	Parking Lo	Tree Plant	Tractors/Lo	Diesel	
1	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	
1	Terminal A	Asphalt Pl	Dump Truc	Diesel	
1	Terminal A	Asphalt Pl	Other Gen	Diesel	
1	Terminal A	Asphalt Pl	Pickup Tru	Diesel	
1	Terminal A	Asphalt Pl	Roller	Diesel	
1	Terminal A	Asphalt Pl	Skid Steer	Diesel	
1	Terminal A	Asphalt Pl	Surfacing E	Diesel	
1	Terminal A	Clearing a	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Terminal A	Clearing a	Chipper/St	Diesel	
1	Terminal A	Clearing a	Pickup Tru	Diesel	
1	Terminal A	Concrete F	Air Compr	Diesel	
1	Terminal A	Concrete F	Concrete S	Diesel	
1	Terminal A	Concrete F	Concrete T	Diesel	
1	Terminal A	Concrete F	Other Gen	Diesel	
1	Terminal A	Concrete F	Pickup Tru	Diesel	
1	Terminal A	Concrete F	Rubber Tir	Diesel	
1	Terminal A	Concrete F	Slip Form I	Diesel	
1	Terminal A	Concrete F	Surfacing E	Diesel	
1	Terminal A	Drainage -	Dozer	Diesel	
1	Terminal A	Drainage -	Dump Truc	Diesel	
1	Terminal A	Drainage -	Excavator	Diesel	
1	Terminal A	Drainage -	Loader	Diesel	
1	Terminal A	Drainage -	Other Gen	Diesel	
1	Terminal A	Drainage -	Pickup Tru	Diesel	
1	Terminal A	Drainage -	Roller	Diesel	
1	Terminal A	Drainage -	Dump Truc	Diesel	
1	Terminal A	Drainage -	Loader	Diesel	
1	Terminal A	Drainage -	Other Gen	Diesel	
1	Terminal A	Drainage -	Pickup Tru	Diesel	
1	Terminal A	Drainage -	Tractors/Lo	Diesel	
1	Terminal A	Dust Contr	Water Truc	Diesel	

1	Terminal A	Excavatior	Dozer	Diesel	
1	Terminal A	Excavatior	Dump Truc	Diesel	
1	Terminal A	Excavatior	Pickup Tru	Diesel	
1	Terminal A	Excavatior	Roller	Diesel	
1	Terminal A	Excavatior	Dozer	Diesel	
1	Terminal A	Excavatior	Dump Truc	Diesel	
1	Terminal A	Excavatior	Excavator	Diesel	
1	Terminal A	Excavatior	Pickup Tru	Diesel	
1	Terminal A	Excavatior	Roller	Diesel	
1	Terminal A	Excavatior	Scraper	Diesel	
1	Terminal A	Excavatior	Dozer	Diesel	
1	Terminal A	Fencing	Concrete T	Diesel	
1	Terminal A	Fencing	Dump Truc	Diesel	
1	Terminal A	Fencing	Other Gen	Diesel	
1	Terminal A	Fencing	Pickup Tru	Diesel	
1	Terminal A	Fencing	Skid Steer	Diesel	
1	Terminal A	Fencing	Tractors/Lo	Diesel	
1	Terminal A	Grading	Dozer	Diesel	
1	Terminal A	Grading	Grader	Diesel	
1	Terminal A	Grading	Roller	Diesel	
1	Terminal A	Hydroseec	Hydroseed	Diesel	
1	Terminal A	Hydroseec	Off-Road T	Diesel	
1	Terminal A	Lighting	Dump Truc	Diesel	
1	Terminal A	Lighting	Loader	Diesel	
1	Terminal A	Lighting	Other Gen	Diesel	
1	Terminal A	Lighting	Pickup Tru	Diesel	
1	Terminal A	Lighting	Skid Steer	Diesel	
1	Terminal A	Lighting	Tractors/Lo	Diesel	
1	Terminal A	Markings	Flatbed Tri	Diesel	
1	Terminal A	Markings	Other Gen	Diesel	
1	Terminal A	Markings	Pickup Tru	Diesel	
1	Terminal A	Sealing/Fu	Distributin	Diesel	
1	Terminal A	Sealing/Fu	Other Gen	Diesel	
1	Terminal A	Sealing/Fu	Pickup Tru	Diesel	
1	Terminal A	Soil Erosio	Other Gen	Diesel	
1	Terminal A	Soil Erosio	Pickup Tru	Diesel	
1	Terminal A	Soil Erosio	Pumps	Diesel	
1	Terminal A	Soil Erosio	Tractors/Lo	Diesel	
1	Terminal A	Subbase P	Dozer	Diesel	
1	Terminal A	Subbase P	Dump Truc	Diesel	
1	Terminal A	Subbase P	Pickup Tru	Diesel	
1	Terminal A	Subbase P	Roller	Diesel	
1	Terminal A	Topsoil Pla	Dozer	Diesel	
1	Terminal A	Topsoil Pla	Dump Truc	Diesel	
1	Terminal A	Topsoil Pla	Pickup Tru	Diesel	
2	Building - :	Concrete F	Backhoe	Diesel	
2	Building - :	Concrete F	Concrete F	Diesel	
2	Building - :	Concrete F	Concrete P	Diesel	
2	Building - :	Concrete F	Excavator	Diesel	
2	Building - :	Concrete F	Fork Truck	Diesel	
2	Building - :	Concrete F	Tool Truck	Diesel	
2	Building - :	Concrete F	Tractor Tra	Diesel	
2	Building - :	Constructi	Survey Cre	Diesel	
2	Building - :	Constructi	Tractor Tra	Diesel	
2	Building - :	Exterior W	Fork Truck	Diesel	
2	Building - :	Exterior W	Generator	Diesel	
2	Building - :	Exterior W	Grout Mixe	Diesel	
2	Building - :	Exterior W	Grout Whe	Diesel	
2	Building - :	Exterior W	Man Lift	Diesel	
2	Building - :	Exterior W	Tool Truck	Diesel	
2	Building - :	Exterior W	Tractor Tra	Diesel	
2	Building - :	Exterior W	Truck Tow	Diesel	
2	Building - :	Interior Bu	Fork Truck	Diesel	
2	Building - :	Interior Bu	Man Lift	Diesel	
2	Building - :	Interior Bu	Tool Truck	Diesel	
2	Building - :	Interior Bu	Tractor Tra	Diesel	
2	Building - :	Roofing	High Lift	Diesel	
2	Building - :	Roofing	Man Lift	Diesel	
2	Building - :	Roofing	Material D	Diesel	
2	Building - :	Roofing	Tractor Tra	Diesel	
2	Building - :	Roofing	Truck Tow	Diesel	
2	Building - :	Security &	High Lift	Diesel	
2	Building - :	Security &	Tool Truck	Diesel	
2	Building - :	Structural	90 Ton Cra	Diesel	
2	Building - :	Structural	Concrete F	Diesel	
2	Building - :	Structural	Concrete T	Diesel	
2	Building - :	Structural	Fork Truck	Diesel	
2	Building - :	Structural	Tool Truck	Diesel	
2	Building - :	Structural	Tractor Tra	Diesel	
2	Building - :	Structural	Trowel Ma	Diesel	
2	Building - :	Structural	Truck Tow	Diesel	
2	Parking Lo	Asphalt Pla	Asphalt Pa	Diesel	
2	Parking Lo	Asphalt Pla	Dump Truc	Diesel	
2	Parking Lo	Asphalt Pla	Other Gen	Diesel	
2	Parking Lo	Asphalt Pla	Pickup Tru	Diesel	
2	Parking Lo	Asphalt Pla	Roller	Diesel	
2	Parking Lo	Asphalt Pla	Skid Steer	Diesel	
2	Parking Lo	Asphalt Pla	Surfacing E	Diesel	
2	Parking Lo	Clearing ar	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	Parking Lo	Clearing ar	Chipper/St	Diesel	
2	Parking Lo	Clearing ar	Pickup Tru	Diesel	
2	Parking Lo	Concrete F	Air Compre	Diesel	
2	Parking Lo	Concrete F	Concrete S	Diesel	
2	Parking Lo	Concrete F	Concrete T	Diesel	
2	Parking Lo	Concrete F	Other Gen	Diesel	
2	Parking Lo	Concrete F	Pickup Tru	Diesel	
2	Parking Lo	Concrete F	Rubber Tir	Diesel	
2	Parking Lo	Concrete F	Slip Form F	Diesel	
2	Parking Lo	Concrete F	Surfacing E	Diesel	
2	Parking Lo	Curbing	Concrete T	Diesel	
2	Parking Lo	Curbing	Curb/Gutte	Diesel	
2	Parking Lo	Curbing	Other Gen	Diesel	
2	Parking Lo	Curbing	Pickup Tru	Diesel	
2	Parking Lo	Drainage -	Dozer	Diesel	
2	Parking Lo	Drainage -	Dump Truc	Diesel	
2	Parking Lo	Drainage -	Excavator	Diesel	
2	Parking Lo	Drainage -	Loader	Diesel	
2	Parking Lo	Drainage -	Other Gen	Diesel	
2	Parking Lo	Drainage -	Pickup Tru	Diesel	
2	Parking Lo	Drainage -	Roller	Diesel	
2	Parking Lo	Drainage -	Dump Truc	Diesel	
2	Parking Lo	Drainage -	Loader	Diesel	
2	Parking Lo	Drainage -	Other Gen	Diesel	
2	Parking Lo	Drainage -	Pickup Tru	Diesel	
2	Parking Lo	Drainage -	Tractors/Lo	Diesel	
2	Parking Lo	Excavatior	Dozer	Diesel	
2	Parking Lo	Excavatior	Dump Truc	Diesel	
2	Parking Lo	Excavatior	Pickup Tru	Diesel	
2	Parking Lo	Excavatior	Roller	Diesel	
2	Parking Lo	Excavatior	Dozer	Diesel	
2	Parking Lo	Excavatior	Dump Truc	Diesel	
2	Parking Lo	Excavatior	Excavator	Diesel	
2	Parking Lo	Excavatior	Pickup Tru	Diesel	
2	Parking Lo	Excavatior	Roller	Diesel	
2	Parking Lo	Excavatior	Scraper	Diesel	
2	Parking Lo	Excavatior	Dozer	Diesel	
2	Parking Lo	Fencing	Concrete T	Diesel	
2	Parking Lo	Fencing	Dump Truc	Diesel	
2	Parking Lo	Fencing	Other Gen	Diesel	
2	Parking Lo	Fencing	Pickup Tru	Diesel	
2	Parking Lo	Fencing	Skid Steer	Diesel	
2	Parking Lo	Fencing	Tractors/Lo	Diesel	
2	Parking Lo	Grading	Dozer	Diesel	
2	Parking Lo	Grading	Grader	Diesel	
2	Parking Lo	Grading	Roller	Diesel	
2	Parking Lo	Hydroseec	Hydroseed	Diesel	
2	Parking Lo	Hydroseec	Off-Road T	Diesel	
2	Parking Lo	Markings	Flatbed Tri	Diesel	
2	Parking Lo	Markings	Other Gen	Diesel	
2	Parking Lo	Markings	Pickup Tru	Diesel	
2	Parking Lo	Sidewalks	Concrete T	Diesel	
2	Parking Lo	Sidewalks	Dump Truc	Diesel	

2	Parking Lo	Sidewalks	Pickup Tru	Diesel	
2	Parking Lo	Sidewalks	Tractors/Lo	Diesel	
2	Parking Lo	Sidewalks	Vibratory C	Diesel	
2	Parking Lo	Soil Erosio	Other Gen	Diesel	
2	Parking Lo	Soil Erosio	Pickup Tru	Diesel	
2	Parking Lo	Soil Erosio	Pumps	Diesel	
2	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	
2	Parking Lo	Street Ligh	Dump Truc	Diesel	
2	Parking Lo	Street Ligh	Loader	Diesel	
2	Parking Lo	Street Ligh	Other Gen	Diesel	
2	Parking Lo	Street Ligh	Pickup Tru	Diesel	
2	Parking Lo	Street Ligh	Skid Steer	Diesel	
2	Parking Lo	Street Ligh	Tractors/Lo	Diesel	
2	Parking Lo	Subbase P	Dozer	Diesel	
2	Parking Lo	Subbase P	Dump Truc	Diesel	
2	Parking Lo	Subbase P	Pickup Tru	Diesel	
2	Parking Lo	Subbase P	Roller	Diesel	
2	Parking Lo	Topsoil Pla	Dozer	Diesel	
2	Parking Lo	Topsoil Pla	Dump Truc	Diesel	
2	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	
2	Parking Lo	Tree Plant	Flatbed Tr	Diesel	
2	Parking Lo	Tree Plant	Other Gen	Diesel	
2	Parking Lo	Tree Plant	Pickup Tru	Diesel	
2	Parking Lo	Tree Plant	Tractors/Lo	Diesel	
2	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	
2	Terminal A	Asphalt Pla	Dump Truc	Diesel	
2	Terminal A	Asphalt Pla	Other Gen	Diesel	
2	Terminal A	Asphalt Pla	Pickup Tru	Diesel	
2	Terminal A	Asphalt Pla	Roller	Diesel	
2	Terminal A	Asphalt Pla	Skid Steer	Diesel	
2	Terminal A	Asphalt Pla	Surfacing E	Diesel	
2	Terminal A	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	Terminal A	Clearing an	Chipper/St	Diesel	
2	Terminal A	Clearing an	Pickup Tru	Diesel	
2	Terminal A	Concrete F	Air Compre	Diesel	
2	Terminal A	Concrete F	Concrete S	Diesel	
2	Terminal A	Concrete F	Concrete T	Diesel	
2	Terminal A	Concrete F	Other Gen	Diesel	
2	Terminal A	Concrete F	Pickup Tru	Diesel	
2	Terminal A	Concrete F	Rubber Tir	Diesel	
2	Terminal A	Concrete F	Slip Form P	Diesel	
2	Terminal A	Concrete F	Surfacing E	Diesel	
2	Terminal A	Drainage -	Dozer	Diesel	
2	Terminal A	Drainage -	Dump Truc	Diesel	
2	Terminal A	Drainage -	Excavator	Diesel	
2	Terminal A	Drainage -	Loader	Diesel	
2	Terminal A	Drainage -	Other Gen	Diesel	
2	Terminal A	Drainage -	Pickup Tru	Diesel	
2	Terminal A	Drainage -	Roller	Diesel	
2	Terminal A	Drainage -	Dump Truc	Diesel	
2	Terminal A	Drainage -	Loader	Diesel	
2	Terminal A	Drainage -	Other Gen	Diesel	
2	Terminal A	Drainage -	Pickup Tru	Diesel	
2	Terminal A	Drainage -	Tractors/Lo	Diesel	
2	Terminal A	Dust Contr	Water Truc	Diesel	
2	Terminal A	Excavatior	Dozer	Diesel	
2	Terminal A	Excavatior	Dump Truc	Diesel	
2	Terminal A	Excavatior	Pickup Tru	Diesel	
2	Terminal A	Excavatior	Roller	Diesel	
2	Terminal A	Excavatior	Dozer	Diesel	
2	Terminal A	Excavatior	Dump Truc	Diesel	
2	Terminal A	Excavatior	Excavator	Diesel	
2	Terminal A	Excavatior	Pickup Tru	Diesel	
2	Terminal A	Excavatior	Roller	Diesel	
2	Terminal A	Excavatior	Scraper	Diesel	
2	Terminal A	Excavatior	Dozer	Diesel	
2	Terminal A	Fencing	Concrete T	Diesel	
2	Terminal A	Fencing	Dump Truc	Diesel	
2	Terminal A	Fencing	Other Gen	Diesel	
2	Terminal A	Fencing	Pickup Tru	Diesel	
2	Terminal A	Fencing	Skid Steer	Diesel	
2	Terminal A	Fencing	Tractors/Lo	Diesel	
2	Terminal A	Grading	Dozer	Diesel	
2	Terminal A	Grading	Grader	Diesel	
2	Terminal A	Grading	Roller	Diesel	
2	Terminal A	Hydroseed	Hydroseed	Diesel	
2	Terminal A	Hydroseed	Off-Road T	Diesel	
2	Terminal A	Lighting	Dump Truc	Diesel	
2	Terminal A	Lighting	Loader	Diesel	
2	Terminal A	Lighting	Other Gen	Diesel	
2	Terminal A	Lighting	Pickup Tru	Diesel	
2	Terminal A	Lighting	Skid Steer	Diesel	
2	Terminal A	Lighting	Tractors/Lo	Diesel	
2	Terminal A	Markings	Flatbed Tr	Diesel	
2	Terminal A	Markings	Other Gen	Diesel	
2	Terminal A	Markings	Pickup Tru	Diesel	
2	Terminal A	Sealing/Fu	Distributin	Diesel	
2	Terminal A	Sealing/Fu	Other Gen	Diesel	
2	Terminal A	Sealing/Fu	Pickup Tru	Diesel	
2	Terminal A	Soil Erosio	Other Gen	Diesel	
2	Terminal A	Soil Erosio	Pickup Tru	Diesel	
2	Terminal A	Soil Erosio	Pumps	Diesel	
2	Terminal A	Soil Erosio	Tractors/Lo	Diesel	
2	Terminal A	Subbase P	Dozer	Diesel	
2	Terminal A	Subbase P	Dump Truc	Diesel	
2	Terminal A	Subbase P	Pickup Tru	Diesel	
2	Terminal A	Subbase P	Roller	Diesel	
2	Terminal A	Topsoil Pla	Dozer	Diesel	
2	Terminal A	Topsoil Pla	Dump Truc	Diesel	
2	Terminal A	Topsoil Pla	Pickup Tru	Diesel	
3	Access Ro	Asphalt Pla	Asphalt Pa	Diesel	
3	Access Ro	Asphalt Pla	Dump Truc	Diesel	
3	Access Ro	Asphalt Pla	Other Gen	Diesel	
3	Access Ro	Asphalt Pla	Pickup Tru	Diesel	
3	Access Ro	Asphalt Pla	Roller	Diesel	
3	Access Ro	Asphalt Pla	Skid Steer	Diesel	
3	Access Ro	Asphalt Pla	Surfacing E	Diesel	
3	Access Ro	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Access Ro	Clearing an	Chipper/St	Diesel	
3	Access Ro	Clearing an	Pickup Tru	Diesel	
3	Access Ro	Concrete F	Air Compre	Diesel	
3	Access Ro	Concrete F	Concrete S	Diesel	
3	Access Ro	Concrete F	Concrete T	Diesel	
3	Access Ro	Concrete F	Other Gen	Diesel	
3	Access Ro	Concrete F	Pickup Tru	Diesel	
3	Access Ro	Concrete F	Rubber Tir	Diesel	
3	Access Ro	Concrete F	Slip Form P	Diesel	
3	Access Ro	Concrete F	Surfacing E	Diesel	
3	Access Ro	Curbing	Concrete T	Diesel	
3	Access Ro	Curbing	Curb/Gutte	Diesel	
3	Access Ro	Curbing	Other Gen	Diesel	
3	Access Ro	Curbing	Pickup Tru	Diesel	
3	Access Ro	Drainage -	Dozer	Diesel	
3	Access Ro	Drainage -	Dump Truc	Diesel	
3	Access Ro	Drainage -	Excavator	Diesel	
3	Access Ro	Drainage -	Loader	Diesel	
3	Access Ro	Drainage -	Other Gen	Diesel	
3	Access Ro	Drainage -	Pickup Tru	Diesel	
3	Access Ro	Drainage -	Roller	Diesel	
3	Access Ro	Drainage -	Dump Truc	Diesel	
3	Access Ro	Drainage -	Loader	Diesel	
3	Access Ro	Drainage -	Other Gen	Diesel	
3	Access Ro	Drainage -	Pickup Tru	Diesel	
3	Access Ro	Drainage -	Tractors/Lo	Diesel	
3	Access Ro	Dust Contr	Water Truc	Diesel	
3	Access Ro	Excavatior	Dozer	Diesel	
3	Access Ro	Excavatior	Dump Truc	Diesel	
3	Access Ro	Excavatior	Pickup Tru	Diesel	
3	Access Ro	Excavatior	Roller	Diesel	
3	Access Ro	Excavatior	Dozer	Diesel	
3	Access Ro	Excavatior	Dump Truc	Diesel	
3	Access Ro	Excavatior	Excavator	Diesel	

3	Access Ro	Excavatior	Pickup Tru	Diesel	
3	Access Ro	Excavatior	Roller	Diesel	
3	Access Ro	Excavatior	Scraper	Diesel	
3	Access Ro	Excavatior	Dozer	Diesel	
3	Access Ro	Fencing	Concrete T	Diesel	
3	Access Ro	Fencing	Dump Truc	Diesel	
3	Access Ro	Fencing	Other Gen	Diesel	
3	Access Ro	Fencing	Pickup Tru	Diesel	
3	Access Ro	Fencing	Skid Steer	Diesel	
3	Access Ro	Fencing	Tractors/L	Diesel	
3	Access Ro	Grading	Dozer	Diesel	
3	Access Ro	Grading	Grader	Diesel	
3	Access Ro	Grading	Roller	Diesel	
3	Access Ro	Hydroseec	Hydroseed	Diesel	
3	Access Ro	Hydroseec	Off-Road T	Diesel	
3	Access Ro	Markings	Flatbed Tr	Diesel	
3	Access Ro	Markings	Other Gen	Diesel	
3	Access Ro	Markings	Pickup Tru	Diesel	
3	Access Ro	Sidewalks	Concrete T	Diesel	
3	Access Ro	Sidewalks	Dump Truc	Diesel	
3	Access Ro	Sidewalks	Pickup Tru	Diesel	
3	Access Ro	Sidewalks	Tractors/L	Diesel	
3	Access Ro	Sidewalks	Vibratory (	Diesel	
3	Access Ro	Soil Erosio	Other Gen	Diesel	
3	Access Ro	Soil Erosio	Pickup Tru	Diesel	
3	Access Ro	Soil Erosio	Pumps	Diesel	
3	Access Ro	Soil Erosio	Tractors/L	Diesel	
3	Access Ro	Street Ligh	Dump Truc	Diesel	
3	Access Ro	Street Ligh	Loader	Diesel	
3	Access Ro	Street Ligh	Other Gen	Diesel	
3	Access Ro	Street Ligh	Pickup Tru	Diesel	
3	Access Ro	Street Ligh	Skid Steer	Diesel	
3	Access Ro	Street Ligh	Tractors/L	Diesel	
3	Access Ro	Subbase P	Dozer	Diesel	
3	Access Ro	Subbase P	Dump Truc	Diesel	
3	Access Ro	Subbase P	Pickup Tru	Diesel	
3	Access Ro	Subbase P	Roller	Diesel	
3	Access Ro	Topsoil Pla	Dozer	Diesel	
3	Access Ro	Topsoil Pla	Dump Truc	Diesel	
3	Access Ro	Topsoil Pla	Pickup Tru	Diesel	
3	Access Ro	Tree Plant	Flatbed Tr	Diesel	
3	Access Ro	Tree Plant	Other Gen	Diesel	
3	Access Ro	Tree Plant	Pickup Tru	Diesel	
3	Access Ro	Tree Plant	Tractors/L	Diesel	
3	Building - :	Concrete F	Backhoe	Diesel	
3	Building - :	Concrete F	Concrete F	Diesel	
3	Building - :	Concrete F	Concrete F	Diesel	
3	Building - :	Concrete F	Excavator	Diesel	
3	Building - :	Concrete F	Fork Truck	Diesel	
3	Building - :	Concrete F	Tool Truck	Diesel	
3	Building - :	Concrete F	Tractor Tra	Diesel	
3	Building - :	Constructi	Survey Cre	Diesel	
3	Building - :	Constructi	Tractor Tra	Diesel	
3	Building - :	Exterior W	Fork Truck	Diesel	
3	Building - :	Exterior W	Generator	Diesel	
3	Building - :	Exterior W	Grout Mixe	Diesel	
3	Building - :	Exterior W	Grout Whe	Diesel	
3	Building - :	Exterior W	Man Lift	Diesel	
3	Building - :	Exterior W	Tool Truck	Diesel	
3	Building - :	Exterior W	Tractor Tra	Diesel	
3	Building - :	Exterior W	Truck Tow	Diesel	
3	Building - :	Interior Bu	Fork Truck	Diesel	
3	Building - :	Interior Bu	Man Lift	Diesel	
3	Building - :	Interior Bu	Tool Truck	Diesel	
3	Building - :	Interior Bu	Tractor Tra	Diesel	
3	Building - :	Roofing	High Lift	Diesel	
3	Building - :	Roofing	Man Lift	Diesel	
3	Building - :	Roofing	Material D	Diesel	
3	Building - :	Roofing	Tractor Tra	Diesel	
3	Building - :	Roofing	Truck Tow	Diesel	
3	Building - :	Security &	High Lift	Diesel	
3	Building - :	Security &	Tool Truck	Diesel	
3	Building - :	Structural	90 Ton Cra	Diesel	
3	Building - :	Structural	Concrete F	Diesel	
3	Building - :	Structural	Concrete T	Diesel	
3	Building - :	Structural	Fork Truck	Diesel	
3	Building - :	Structural	Tool Truck	Diesel	
3	Building - :	Structural	Tractor Tra	Diesel	
3	Building - :	Structural	Trowel Ma	Diesel	
3	Building - :	Structural	Truck Tow	Diesel	
3	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	
3	Terminal A	Asphalt Pla	Dump Truc	Diesel	
3	Terminal A	Asphalt Pla	Other Gen	Diesel	
3	Terminal A	Asphalt Pla	Pickup Tru	Diesel	
3	Terminal A	Asphalt Pla	Roller	Diesel	
3	Terminal A	Asphalt Pla	Skid Steer	Diesel	
3	Terminal A	Asphalt Pla	Surfacing E	Diesel	
3	Terminal A	Clearing ar	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Terminal A	Clearing ar	Chipper/St	Diesel	
3	Terminal A	Clearing ar	Pickup Tru	Diesel	
3	Terminal A	Concrete F	Air Compre	Diesel	
3	Terminal A	Concrete F	Concrete S	Diesel	
3	Terminal A	Concrete F	Concrete T	Diesel	
3	Terminal A	Concrete F	Other Gen	Diesel	
3	Terminal A	Concrete F	Pickup Tru	Diesel	
3	Terminal A	Concrete F	Rubber Tir	Diesel	
3	Terminal A	Concrete F	Slip Form I	Diesel	
3	Terminal A	Concrete F	Surfacing E	Diesel	
3	Terminal A	Drainage -	Dozer	Diesel	
3	Terminal A	Drainage -	Dump Truc	Diesel	
3	Terminal A	Drainage -	Excavator	Diesel	
3	Terminal A	Drainage -	Loader	Diesel	
3	Terminal A	Drainage -	Other Gen	Diesel	
3	Terminal A	Drainage -	Pickup Tru	Diesel	
3	Terminal A	Drainage -	Roller	Diesel	
3	Terminal A	Drainage -	Dump Truc	Diesel	
3	Terminal A	Drainage -	Loader	Diesel	
3	Terminal A	Drainage -	Other Gen	Diesel	
3	Terminal A	Drainage -	Pickup Tru	Diesel	
3	Terminal A	Drainage -	Tractors/L	Diesel	
3	Terminal A	Dust Contr	Water Truc	Diesel	
3	Terminal A	Excavatior	Dozer	Diesel	
3	Terminal A	Excavatior	Dump Truc	Diesel	
3	Terminal A	Excavatior	Pickup Tru	Diesel	
3	Terminal A	Excavatior	Roller	Diesel	
3	Terminal A	Excavatior	Dozer	Diesel	
3	Terminal A	Excavatior	Dump Truc	Diesel	
3	Terminal A	Excavatior	Excavator	Diesel	
3	Terminal A	Excavatior	Pickup Tru	Diesel	
3	Terminal A	Excavatior	Roller	Diesel	
3	Terminal A	Excavatior	Scraper	Diesel	
3	Terminal A	Excavatior	Dozer	Diesel	
3	Terminal A	Fencing	Concrete T	Diesel	
3	Terminal A	Fencing	Dump Truc	Diesel	
3	Terminal A	Fencing	Other Gen	Diesel	
3	Terminal A	Fencing	Pickup Tru	Diesel	
3	Terminal A	Fencing	Skid Steer	Diesel	
3	Terminal A	Fencing	Tractors/L	Diesel	
3	Terminal A	Grading	Dozer	Diesel	
3	Terminal A	Grading	Grader	Diesel	
3	Terminal A	Grading	Roller	Diesel	
3	Terminal A	Hydroseec	Hydroseed	Diesel	
3	Terminal A	Hydroseec	Off-Road T	Diesel	
3	Terminal A	Lighting	Dump Truc	Diesel	
3	Terminal A	Lighting	Loader	Diesel	
3	Terminal A	Lighting	Other Gen	Diesel	
3	Terminal A	Lighting	Pickup Tru	Diesel	
3	Terminal A	Lighting	Skid Steer	Diesel	
3	Terminal A	Lighting	Tractors/L	Diesel	
3	Terminal A	Markings	Flatbed Tr	Diesel	
3	Terminal A	Markings	Other Gen	Diesel	
3	Terminal A	Markings	Pickup Tru	Diesel	

3	Terminal A	Sealing/Fu	Distributin	Diesel	
3	Terminal A	Sealing/Fu	Other Gen	Diesel	
3	Terminal A	Sealing/Fu	Pickup Tru	Diesel	
3	Terminal A	Soil Erosio	Other Gen	Diesel	
3	Terminal A	Soil Erosio	Pickup Tru	Diesel	
3	Terminal A	Soil Erosio	Pumps	Diesel	
3	Terminal A	Soil Erosio	Tractors/Lo	Diesel	
3	Terminal A	Subbase P	Dozer	Diesel	
3	Terminal A	Subbase P	Dump Truc	Diesel	
3	Terminal A	Subbase P	Pickup Tru	Diesel	
3	Terminal A	Subbase P	Roller	Diesel	
3	Terminal A	Topsoil Pla	Dozer	Diesel	
3	Terminal A	Topsoil Pla	Dump Truc	Diesel	
3	Terminal A	Topsoil Pla	Pickup Tru	Diesel	
4	Access Ro	Asphalt Pla	Asphalt Pa	Diesel	
4	Access Ro	Asphalt Pla	Dump Truc	Diesel	
4	Access Ro	Asphalt Pla	Other Gen	Diesel	
4	Access Ro	Asphalt Pla	Pickup Tru	Diesel	
4	Access Ro	Asphalt Pla	Roller	Diesel	
4	Access Ro	Asphalt Pla	Skid Steer	Diesel	
4	Access Ro	Asphalt Pla	Surfacing E	Diesel	
4	Access Ro	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Access Ro	Clearing an	Chipper/St	Diesel	
4	Access Ro	Clearing an	Pickup Tru	Diesel	
4	Access Ro	Concrete F	Air Compre	Diesel	
4	Access Ro	Concrete F	Concrete S	Diesel	
4	Access Ro	Concrete F	Concrete T	Diesel	
4	Access Ro	Concrete F	Other Gen	Diesel	
4	Access Ro	Concrete F	Pickup Tru	Diesel	
4	Access Ro	Concrete F	Rubber Tir	Diesel	
4	Access Ro	Concrete F	Slip Form I	Diesel	
4	Access Ro	Concrete F	Surfacing E	Diesel	
4	Access Ro	Curbing	Concrete T	Diesel	
4	Access Ro	Curbing	Curb/Gutte	Diesel	
4	Access Ro	Curbing	Other Gen	Diesel	
4	Access Ro	Curbing	Pickup Tru	Diesel	
4	Access Ro	Drainage -	Dozer	Diesel	
4	Access Ro	Drainage -	Dump Truc	Diesel	
4	Access Ro	Drainage -	Excavator	Diesel	
4	Access Ro	Drainage -	Loader	Diesel	
4	Access Ro	Drainage -	Other Gen	Diesel	
4	Access Ro	Drainage -	Pickup Tru	Diesel	
4	Access Ro	Drainage -	Roller	Diesel	
4	Access Ro	Drainage -	Dump Truc	Diesel	
4	Access Ro	Drainage -	Loader	Diesel	
4	Access Ro	Drainage -	Other Gen	Diesel	
4	Access Ro	Drainage -	Pickup Tru	Diesel	
4	Access Ro	Drainage -	Tractors/Lo	Diesel	
4	Access Ro	Dust Contr	Water Truc	Diesel	
4	Access Ro	Excavatior	Dozer	Diesel	
4	Access Ro	Excavatior	Dump Truc	Diesel	
4	Access Ro	Excavatior	Pickup Tru	Diesel	
4	Access Ro	Excavatior	Roller	Diesel	
4	Access Ro	Excavatior	Dozer	Diesel	
4	Access Ro	Excavatior	Dump Truc	Diesel	
4	Access Ro	Excavatior	Excavator	Diesel	
4	Access Ro	Excavatior	Pickup Tru	Diesel	
4	Access Ro	Excavatior	Roller	Diesel	
4	Access Ro	Excavatior	Scraper	Diesel	
4	Access Ro	Excavatior	Dozer	Diesel	
4	Access Ro	Fencing	Concrete T	Diesel	
4	Access Ro	Fencing	Dump Truc	Diesel	
4	Access Ro	Fencing	Other Gen	Diesel	
4	Access Ro	Fencing	Pickup Tru	Diesel	
4	Access Ro	Fencing	Skid Steer	Diesel	
4	Access Ro	Fencing	Tractors/Lo	Diesel	
4	Access Ro	Grading	Dozer	Diesel	
4	Access Ro	Grading	Grader	Diesel	
4	Access Ro	Grading	Roller	Diesel	
4	Access Ro	Hydroseed	Hydroseed	Diesel	
4	Access Ro	Hydroseed	Off-Road T	Diesel	
4	Access Ro	Markings	Flatbed Tr	Diesel	
4	Access Ro	Markings	Other Gen	Diesel	
4	Access Ro	Markings	Pickup Tru	Diesel	
4	Access Ro	Sidewalks	Concrete T	Diesel	
4	Access Ro	Sidewalks	Dump Truc	Diesel	
4	Access Ro	Sidewalks	Pickup Tru	Diesel	
4	Access Ro	Sidewalks	Tractors/Lo	Diesel	
4	Access Ro	Sidewalks	Vibratory (	Diesel	
4	Access Ro	Soil Erosio	Other Gen	Diesel	
4	Access Ro	Soil Erosio	Pickup Tru	Diesel	
4	Access Ro	Soil Erosio	Pumps	Diesel	
4	Access Ro	Soil Erosio	Tractors/Lo	Diesel	
4	Access Ro	Street Ligh	Dump Truc	Diesel	
4	Access Ro	Street Ligh	Loader	Diesel	
4	Access Ro	Street Ligh	Other Gen	Diesel	
4	Access Ro	Street Ligh	Pickup Tru	Diesel	
4	Access Ro	Street Ligh	Skid Steer	Diesel	
4	Access Ro	Street Ligh	Tractors/Lo	Diesel	
4	Access Ro	Subbase P	Dozer	Diesel	
4	Access Ro	Subbase P	Dump Truc	Diesel	
4	Access Ro	Subbase P	Pickup Tru	Diesel	
4	Access Ro	Subbase P	Roller	Diesel	
4	Access Ro	Topsoil Pla	Dozer	Diesel	
4	Access Ro	Topsoil Pla	Dump Truc	Diesel	
4	Access Ro	Topsoil Pla	Pickup Tru	Diesel	
4	Access Ro	Tree Plant	Flatbed Tr	Diesel	
4	Access Ro	Tree Plant	Other Gen	Diesel	
4	Access Ro	Tree Plant	Pickup Tru	Diesel	
4	Access Ro	Tree Plant	Tractors/Lo	Diesel	
4	Building - :	Concrete F	Backhoe	Diesel	
4	Building - :	Concrete F	Concrete F	Diesel	
4	Building - :	Concrete F	Concrete F	Diesel	
4	Building - :	Concrete F	Excavator	Diesel	
4	Building - :	Concrete F	Fork Truck	Diesel	
4	Building - :	Concrete F	Tool Truck	Diesel	
4	Building - :	Concrete F	Tractor Tra	Diesel	
4	Building - :	Constructi	Survey Cre	Diesel	
4	Building - :	Constructi	Tractor Tra	Diesel	
4	Building - :	Exterior W	Fork Truck	Diesel	
4	Building - :	Exterior W	Generator	Diesel	
4	Building - :	Exterior W	Grout Mixe	Diesel	
4	Building - :	Exterior W	Grout Whe	Diesel	
4	Building - :	Exterior W	Man Lift	Diesel	
4	Building - :	Exterior W	Tool Truck	Diesel	
4	Building - :	Exterior W	Tractor Tra	Diesel	
4	Building - :	Exterior W	Truck Tow	Diesel	
4	Building - :	Interior Bu	Fork Truck	Diesel	
4	Building - :	Interior Bu	Man Lift	Diesel	
4	Building - :	Interior Bu	Tool Truck	Diesel	
4	Building - :	Interior Bu	Tractor Tra	Diesel	
4	Building - :	Roofing	High Lift	Diesel	
4	Building - :	Roofing	Man Lift	Diesel	
4	Building - :	Roofing	Material D	Diesel	
4	Building - :	Roofing	Tractor Tra	Diesel	
4	Building - :	Roofing	Truck Tow	Diesel	
4	Building - :	Security &	High Lift	Diesel	
4	Building - :	Security &	Tool Truck	Diesel	
4	Building - :	Structural	90 Ton Cra	Diesel	
4	Building - :	Structural	Concrete F	Diesel	
4	Building - :	Structural	Concrete T	Diesel	
4	Building - :	Structural	Fork Truck	Diesel	
4	Building - :	Structural	Tool Truck	Diesel	
4	Building - :	Structural	Tractor Tra	Diesel	
4	Building - :	Structural	Trowel Ma	Diesel	
4	Building - :	Structural	Truck Tow	Diesel	
4	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	
4	Terminal A	Asphalt Pla	Dump Truc	Diesel	
4	Terminal A	Asphalt Pla	Other Gen	Diesel	
4	Terminal A	Asphalt Pla	Pickup Tru	Diesel	
4	Terminal A	Asphalt Pla	Roller	Diesel	
4	Terminal A	Asphalt Pla	Skid Steer	Diesel	

4	Terminal A	Asphalt Pl	Surfacing E	Diesel	
4	Terminal A	Clearing a	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Terminal A	Clearing a	Chipper/St	Diesel	
4	Terminal A	Clearing a	Pickup Tru	Diesel	
4	Terminal A	Concrete F	Air Compre	Diesel	
4	Terminal A	Concrete F	Concrete S	Diesel	
4	Terminal A	Concrete F	Concrete T	Diesel	
4	Terminal A	Concrete F	Other Gen	Diesel	
4	Terminal A	Concrete F	Pickup Tru	Diesel	
4	Terminal A	Concrete F	Rubber Tir	Diesel	
4	Terminal A	Concrete F	Slip Form I	Diesel	
4	Terminal A	Concrete F	Surfacing E	Diesel	
4	Terminal A	Drainage -	Dozer	Diesel	
4	Terminal A	Drainage -	Dump Truc	Diesel	
4	Terminal A	Drainage -	Excavator	Diesel	
4	Terminal A	Drainage -	Loader	Diesel	
4	Terminal A	Drainage -	Other Gen	Diesel	
4	Terminal A	Drainage -	Pickup Tru	Diesel	
4	Terminal A	Drainage -	Roller	Diesel	
4	Terminal A	Drainage -	Dump Truc	Diesel	
4	Terminal A	Drainage -	Loader	Diesel	
4	Terminal A	Drainage -	Other Gen	Diesel	
4	Terminal A	Drainage -	Pickup Tru	Diesel	
4	Terminal A	Drainage -	Tractors/Lo	Diesel	
4	Terminal A	Dust Contr	Water Tru	Diesel	
4	Terminal A	Excavatior	Dozer	Diesel	
4	Terminal A	Excavatior	Dump Truc	Diesel	
4	Terminal A	Excavatior	Pickup Tru	Diesel	
4	Terminal A	Excavatior	Roller	Diesel	
4	Terminal A	Excavatior	Dozer	Diesel	
4	Terminal A	Excavatior	Dump Truc	Diesel	
4	Terminal A	Excavatior	Excavator	Diesel	
4	Terminal A	Excavatior	Pickup Tru	Diesel	
4	Terminal A	Excavatior	Roller	Diesel	
4	Terminal A	Excavatior	Scraper	Diesel	
4	Terminal A	Excavatior	Dozer	Diesel	
4	Terminal A	Fencing	Concrete T	Diesel	
4	Terminal A	Fencing	Dump Truc	Diesel	
4	Terminal A	Fencing	Other Gen	Diesel	
4	Terminal A	Fencing	Pickup Tru	Diesel	
4	Terminal A	Fencing	Skid Steer	Diesel	
4	Terminal A	Fencing	Tractors/Lo	Diesel	
4	Terminal A	Grading	Dozer	Diesel	
4	Terminal A	Grading	Grader	Diesel	
4	Terminal A	Grading	Roller	Diesel	
4	Terminal A	Hydroseec	Hydroseed	Diesel	
4	Terminal A	Hydroseec	Off-Road T	Diesel	
4	Terminal A	Lighting	Dump Truc	Diesel	
4	Terminal A	Lighting	Loader	Diesel	
4	Terminal A	Lighting	Other Gen	Diesel	
4	Terminal A	Lighting	Pickup Tru	Diesel	
4	Terminal A	Lighting	Skid Steer	Diesel	
4	Terminal A	Lighting	Tractors/Lo	Diesel	
4	Terminal A	Markings	Flatbed Tr	Diesel	
4	Terminal A	Markings	Other Gen	Diesel	
4	Terminal A	Markings	Pickup Tru	Diesel	
4	Terminal A	Sealing/Fu	Distributin	Diesel	
4	Terminal A	Sealing/Fu	Other Gen	Diesel	
4	Terminal A	Sealing/Fu	Pickup Tru	Diesel	
4	Terminal A	Soil Erosio	Other Gen	Diesel	
4	Terminal A	Soil Erosio	Pickup Tru	Diesel	
4	Terminal A	Soil Erosio	Pumps	Diesel	
4	Terminal A	Soil Erosio	Tractors/Lo	Diesel	
4	Terminal A	Subbase P	Dozer	Diesel	
4	Terminal A	Subbase P	Dump Truc	Diesel	
4	Terminal A	Subbase P	Pickup Tru	Diesel	
4	Terminal A	Subbase P	Roller	Diesel	
4	Terminal A	Topsoil Pla	Dozer	Diesel	
4	Terminal A	Topsoil Pla	Dump Truc	Diesel	
4	Terminal A	Topsoil Pla	Pickup Tru	Diesel	

Overall Size

Scenario ID	Project	Project Siz	User Input	Unit	
1	Building - :	What is th	10.43	$ Million(s)	
1	Parking Lo	What is th	2.75	$ Million(s)	
1	Parking Lo	What is th	1200	Feet	237000
1	Parking Lo	What is th	197.5	Feet	
1	Terminal A	What is th	1.7	$ Million(s)	
1	Terminal A	What is th	150	Feet	
1	Terminal A	What is th	1350	Feet	
2	Building - :	What is th	10.43	$ Million(s)	
2	Parking Lo	What is th	2.75	$ Million(s)	
2	Parking Lo	What is th	1200	Feet	
2	Parking Lo	What is th	197.5	Feet	
2	Terminal A	What is th	1.7	$ Million(s)	
2	Terminal A	What is th	150	Feet	
2	Terminal A	What is th	1350	Feet	
3	Access Ro	What is th	0.75	$ Million(s)	
3	Access Ro	What is th	1500	Feet	
3	Access Ro	What is th	24	Feet	
3	Building - :	What is th	10.43	$ Million(s)	
3	Terminal A	What is th	1.7	$ Million(s)	
3	Terminal A	What is th	150	Feet	
3	Terminal A	What is th	1350	Feet	
4	Access Ro	What is th	0.75	$ Million(s)	
4	Access Ro	What is th	1500	Feet	
4	Access Ro	What is th	24	Feet	
4	Building - :	What is th	10.43	$ Million(s)	
4	Terminal A	What is th	1.7	$ Million(s)	
4	Terminal A	What is th	150	Feet	
4	Terminal A	What is th	1350	Feet	

Size Detail (Estimated based on engineering experience)

ScenarioID	Project	Constructi	Default Ac	Unit	User Activity Size
1	Parking Lo	Asphalt Pl	26307	Square Yards	
1	Parking Lo	Clearing a	5.8	Acres	
1	Parking Lo	Curbing	1200	Linear Feet	
1	Parking Lo	Drainage -	1210	Linear Feet	
1	Parking Lo	Drainage -	7260	Linear Feet	
1	Parking Lo	Excavatior	10961.3	Cubic Yards	
1	Parking Lo	Excavatior	10961.3	Cubic Yards	
1	Parking Lo	Excavatior	26307	Square Yards	
1	Parking Lo	Fencing	1200	Linear Feet	
1	Parking Lo	Grading	27869.3	Square Yards	
1	Parking Lo	Hydroseec	251075	Square Feet	
1	Parking Lo	Markings	2795	Square Feet	
1	Parking Lo	Sidewalks	3600	Square Feet	
1	Parking Lo	Soil Erosio	5.8	Acres	
1	Parking Lo	Street Ligh	5.9	Lights	
1	Parking Lo	Subbase P	26307	Square Yards	
1	Parking Lo	Subbase P	8769	Cubic Yards	
1	Parking Lo	Topsoil Pla	4644.9	Cubic Yards	
1	Parking Lo	Tree Plant	0	Trees	
1	Terminal A	Asphalt Pl	22477.5	Square Yards	
1	Terminal A	Clearing a	5	Acres	
1	Terminal A	Concrete F	9365.6	Cubic Yards	
1	Terminal A	Drainage -	160	Linear Feet	
1	Terminal A	Drainage -	320	Linear Feet	
1	Terminal A	Dust Contr	180	Days	
1	Terminal A	Excavatior	9365.6	Cubic Yards	
1	Terminal A	Excavatior	9365.6	Cubic Yards	
1	Terminal A	Excavatior	22477.5	Square Yards	
1	Terminal A	Fencing	150	Linear Feet	
1	Terminal A	Grading	24153.6	Square Yards	
1	Terminal A	Hydroseec	217600	Square Feet	
1	Terminal A	Lighting	3000	Linear Feet	
1	Terminal A	Markings	202500	Square Feet	
1	Terminal A	Sealing/Fu	22477.5	Square Yards	

1	Terminal A	Soil Erosio	5	Acres
1	Terminal A	Subbase P	22477.5	Square Yards
1	Terminal A	Subbase P	7492.5	Cubic Yards
1	Terminal A	Topsoil Pla	4025.6	Cubic Yards
2	Parking Lo	Asphalt Pla	26307	Square Yards
2	Parking Lo	Clearing an	5.8	Acres
2	Parking Lo	Concrete F	10961.3	Cubic Yards
2	Parking Lo	Curbing	1200	Linear Feet
2	Parking Lo	Drainage -	1210	Linear Feet
2	Parking Lo	Drainage -	7260	Linear Feet
2	Parking Lo	Excavatior	10961.3	Cubic Yards
2	Parking Lo	Excavatior	10961.3	Cubic Yards
2	Parking Lo	Excavatior	26307	Square Yards
2	Parking Lo	Fencing	1200	Linear Feet
2	Parking Lo	Grading	27869.3	Square Yards
2	Parking Lo	Hydroseed	251075	Square Feet
2	Parking Lo	Markings	2795	Square Feet
2	Parking Lo	Sidewalks	3600	Square Feet
2	Parking Lo	Soil Erosio	5.8	Acres
2	Parking Lo	Street Ligh	5.9	Lights
2	Parking Lo	Subbase P	26307	Square Yards
2	Parking Lo	Subbase P	8769	Cubic Yards
2	Parking Lo	Topsoil Pla	4644.9	Cubic Yards
2	Parking Lo	Tree Plant	0	Trees
2	Terminal A	Asphalt Pla	22477.5	Square Yards
2	Terminal A	Clearing an	5	Acres
2	Terminal A	Concrete F	9365.6	Cubic Yards
2	Terminal A	Drainage -	160	Linear Feet
2	Terminal A	Drainage -	320	Linear Feet
2	Terminal A	Dust Contr	180	Days
2	Terminal A	Excavatior	9365.6	Cubic Yards
2	Terminal A	Excavatior	9365.6	Cubic Yards
2	Terminal A	Excavatior	22477.5	Square Yards
2	Terminal A	Fencing	150	Linear Feet
2	Terminal A	Grading	24153.6	Square Yards
2	Terminal A	Hydroseed	217600	Square Feet
2	Terminal A	Lighting	3000	Linear Feet
2	Terminal A	Markings	202500	Square Feet
2	Terminal A	Sealing/Fu	22477.5	Square Yards
2	Terminal A	Soil Erosio	5	Acres
2	Terminal A	Subbase P	22477.5	Square Yards
2	Terminal A	Subbase P	7492.5	Cubic Yards
2	Terminal A	Topsoil Pla	4025.6	Cubic Yards
3	Access Roa	Asphalt Pla	3996	Square Yards
3	Access Roa	Clearing an	1.2	Acres
3	Access Roa	Concrete F	1665	Cubic Yards
3	Access Roa	Curbing	3000	Linear Feet
3	Access Roa	Drainage -	1510	Linear Feet
3	Access Roa	Drainage -	3020	Linear Feet
3	Access Roa	Dust Contr	180	Days
3	Access Roa	Excavatior	1665	Cubic Yards
3	Access Roa	Excavatior	1665	Cubic Yards
3	Access Roa	Excavatior	3996	Square Yards
3	Access Roa	Fencing	1500	Linear Feet
3	Access Roa	Grading	5698.7	Square Yards
3	Access Roa	Hydroseed	51340	Square Feet
3	Access Roa	Markings	36000	Square Feet
3	Access Roa	Sidewalks	9000	Square Feet
3	Access Roa	Soil Erosio	1.2	Acres
3	Access Roa	Street Ligh	15	Lights
3	Access Roa	Subbase P	3996	Square Yards
3	Access Roa	Subbase P	1332	Cubic Yards
3	Access Roa	Topsoil Pla	949.8	Cubic Yards
3	Access Roa	Tree Plant	0	Trees
3	Terminal A	Asphalt Pla	22477.5	Square Yards
3	Terminal A	Clearing an	5	Acres
3	Terminal A	Concrete F	9365.6	Cubic Yards
3	Terminal A	Drainage -	160	Linear Feet
3	Terminal A	Drainage -	320	Linear Feet
3	Terminal A	Dust Contr	180	Days
3	Terminal A	Excavatior	9365.6	Cubic Yards
3	Terminal A	Excavatior	9365.6	Cubic Yards
3	Terminal A	Excavatior	22477.5	Square Yards
3	Terminal A	Fencing	150	Linear Feet
3	Terminal A	Grading	24153.6	Square Yards
3	Terminal A	Hydroseed	217600	Square Feet
3	Terminal A	Lighting	3000	Linear Feet
3	Terminal A	Markings	202500	Square Feet
3	Terminal A	Sealing/Fu	22477.5	Square Yards
3	Terminal A	Soil Erosio	5	Acres
3	Terminal A	Subbase P	22477.5	Square Yards
3	Terminal A	Subbase P	7492.5	Cubic Yards
3	Terminal A	Topsoil Pla	4025.6	Cubic Yards
4	Access Roa	Asphalt Pla	3996	Square Yards
4	Access Roa	Clearing an	1.2	Acres
4	Access Roa	Concrete F	1665	Cubic Yards
4	Access Roa	Curbing	3000	Linear Feet
4	Access Roa	Drainage -	1510	Linear Feet
4	Access Roa	Drainage -	3020	Linear Feet
4	Access Roa	Dust Contr	180	Days
4	Access Roa	Excavatior	1665	Cubic Yards
4	Access Roa	Excavatior	1665	Cubic Yards
4	Access Roa	Excavatior	3996	Square Yards
4	Access Roa	Fencing	1500	Linear Feet
4	Access Roa	Grading	5698.7	Square Yards
4	Access Roa	Hydroseed	51340	Square Feet
4	Access Roa	Markings	36000	Square Feet
4	Access Roa	Sidewalks	9000	Square Feet
4	Access Roa	Soil Erosio	1.2	Acres
4	Access Roa	Street Ligh	15	Lights
4	Access Roa	Subbase P	3996	Square Yards
4	Access Roa	Subbase P	1332	Cubic Yards
4	Access Roa	Topsoil Pla	949.8	Cubic Yards
4	Access Roa	Tree Plant	0	Trees
4	Terminal A	Asphalt Pla	22477.5	Square Yards
4	Terminal A	Clearing an	5	Acres
4	Terminal A	Concrete F	9365.6	Cubic Yards
4	Terminal A	Drainage -	160	Linear Feet
4	Terminal A	Drainage -	320	Linear Feet
4	Terminal A	Dust Contr	180	Days
4	Terminal A	Excavatior	9365.6	Cubic Yards
4	Terminal A	Excavatior	9365.6	Cubic Yards
4	Terminal A	Excavatior	22477.5	Square Yards
4	Terminal A	Fencing	150	Linear Feet
4	Terminal A	Grading	24153.6	Square Yards
4	Terminal A	Hydroseed	217600	Square Feet
4	Terminal A	Lighting	3000	Linear Feet
4	Terminal A	Markings	202500	Square Feet
4	Terminal A	Sealing/Fu	22477.5	Square Yards
4	Terminal A	Soil Erosio	5	Acres
4	Terminal A	Subbase P	22477.5	Square Yards
4	Terminal A	Subbase P	7492.5	Cubic Yards
4	Terminal A	Topsoil Pla	4025.6	Cubic Yards

Activity: Non-Road (Estimated based on engineering experience)

Scenario ID	Project	Constructi	Equipment	Fuel Type	Activity Siz	Activity Ra	Default Ac	Activity Ur	User Activity Data
1	Building - :	Concrete F	Backhoe	Diesel	100000.00	0.0048	Ho	480	hours
1	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0018	Ho	180	hours
1	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0036	Ho	360	hours
1	Building - :	Concrete F	Excavator	Diesel	100000.00	0.0016	Ho	160	hours
1	Building - :	Concrete F	Fork Truck	Diesel	100000.00	0.0048	Ho	480	hours
1	Building - :	Concrete F	Tool Truck	Diesel	100000.00	0.0012	Ho	120	hours
1	Building - :	Concrete F	Tractor Tra	Diesel	100000.00	0.0024	Ho	240	hours
1	Building - :	Constructi	Survey Cre	Diesel	100000.00	0.0001	Ho	10	hours
1	Building - :	Constructi	Tractor Tra	Diesel	100000.00	0.00004	Ho	4	hours
1	Building - :	Exterior W	Fork Truck	Diesel	100000.00	0.0084	Ho	840	hours
1	Building - :	Exterior W	Generator	Diesel	100000.00	0.0008	Ho	80	hours
1	Building - :	Exterior W	Grout Mixe	Diesel	100000.00	0.0042	Ho	420	hours
1	Building - :	Exterior W	Grout Whe	Diesel	100000.00	0.0016	Ho	160	hours
1	Building - :	Exterior W	Man Lift	Diesel	100000.00	0.0168	Ho	1680	hours

1	Building - :	Exterior W	Tool Truck	Diesel	100000.00	0.0042 Ho	420	hours	
1	Building - :	Exterior W	Tractor Tra	Diesel	100000.00	0.0084 Ho	840	hours	
1	Building - :	Exterior W	Truck Tow	Diesel	100000.00	0.0008 Ho	80	hours	
1	Building - :	Interior Bu	Fork Truck	Diesel	100000.00	0.016 Hou	1600	hours	
1	Building - :	Interior Bu	Man Lift	Diesel	100000.00	0.032 Hou	3200	hours	
1	Building - :	Interior Bu	Tool Truck	Diesel	100000.00	0.016 Hou	1600	hours	
1	Building - :	Interior Bu	Tractor Tra	Diesel	100000.00	0.016 Hou	1600	hours	
1	Building - :	Roofing	High Lift	Diesel	100000.00	0.0016 Ho	160	hours	
1	Building - :	Roofing	Man Lift	Diesel	100000.00	0.0004 Ho	40	hours	
1	Building - :	Roofing	Material D	Diesel	100000.00	0.0006 Ho	60	hours	
1	Building - :	Roofing	Tractor Tra	Diesel	100000.00	0.0004 Ho	40	hours	
1	Building - :	Roofing	Truck Tow	Diesel	100000.00	0.0012 Ho	120	hours	
1	Building - :	Security &	High Lift	Diesel	100000.00	0.008 Hou	800	hours	
1	Building - :	Security &	Tool Truck	Diesel	100000.00	0.008 Hou	800	hours	
1	Building - :	Structural	90 Ton Cra	Diesel	100000.00	0.0024 Ho	240	hours	
1	Building - :	Structural	Concrete F	Diesel	100000.00	0.0006 Ho	60	hours	
1	Building - :	Structural	Concrete T	Diesel	100000.00	0.0006 Ho	60	hours	
1	Building - :	Structural	Fork Truck	Diesel	100000.00	0.0064 Ho	640	hours	
1	Building - :	Structural	Tool Truck	Diesel	100000.00	0.0016 Ho	160	hours	
1	Building - :	Structural	Tractor Tra	Diesel	100000.00	0.0036 Ho	360	hours	
1	Building - :	Structural	Trowel Ma	Diesel	100000.00	0.0004 Ho	40	hours	
1	Building - :	Structural	Truck Tow	Diesel	100000.00	0.0072 Ho	720	hours	
1	Parking Lo	Asphalt Pla	Asphalt Pa	Diesel	26307.00 S	8 Hours pe	32.88	hours	
1	Parking Lo	Asphalt Pla	Dump Truc	Diesel	26307.00 S	8 Hours pe	118.43	hours	
1	Parking Lo	Asphalt Pla	Other Gen	Diesel	26307.00 S	16 Hours p	65.77	hours	
1	Parking Lo	Asphalt Pla	Pickup Tru	Diesel	26307.00 S	8 Hours pe	32.88	hours	
1	Parking Lo	Asphalt Pla	Roller	Diesel	26307.00 S	8 Hours pe	32.88	hours	
1	Parking Lo	Asphalt Pla	Skid Steer	Diesel	26307.00 S	8 Hours pe	32.88	hours	
1	Parking Lo	Asphalt Pla	Surfacing E	Diesel	26307.00 S	8 Hours pe	42.09	hours	
1	Parking Lo	Clearing an	Chain Saw	Diesel	5.80 Acre	12 Hours p	69.6	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Parking Lo	Clearing an	Chipper/St	Diesel	5.80 Acre	12 Hours p	69.6	hours	
1	Parking Lo	Clearing an	Pickup Tru	Diesel	5.80 Acre	16 Hours p	92.8	hours	
1	Parking Lo	Curbing	Concrete T	Diesel	1200.00 LF	8 Hours pe	24	hours	
1	Parking Lo	Curbing	Curb/Gutte	Diesel	1200.00 LF	8 Hours pe	24	hours	
1	Parking Lo	Curbing	Other Gen	Diesel	1200.00 LF	8 Hours pe	24	hours	
1	Parking Lo	Curbing	Pickup Tru	Diesel	1200.00 LF	8 Hours pe	24	hours	
1	Parking Lo	Drainage -	Dozer	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Dump Truc	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Excavator	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Loader	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Other Gen	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Pickup Tru	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Roller	Diesel	1210.00 LF	8 Hours pe	38.72	hours	
1	Parking Lo	Drainage -	Dump Truc	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
1	Parking Lo	Drainage -	Loader	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
1	Parking Lo	Drainage -	Other Gen	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
1	Parking Lo	Drainage -	Pickup Tru	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
1	Parking Lo	Drainage -	Tractors/Lo	Diesel	7260.00 LF	8 Hours pe	64.53	hours	
1	Parking Lo	Excavatior	Dozer	Diesel	10961.30 (	8 Hours pe	146.15	hours	
1	Parking Lo	Excavatior	Dump Truc	Diesel	10961.30 (	8 Hours pe	146.15	hours	
1	Parking Lo	Excavatior	Pickup Tru	Diesel	10961.30 (	8 Hours pe	146.15	hours	
1	Parking Lo	Excavatior	Roller	Diesel	10961.30 (	8 Hours pe	67.45	hours	
1	Parking Lo	Excavatior	Dozer	Diesel	10961.30 (	8 Hours pe	109.61	hours	
1	Parking Lo	Excavatior	Dump Truc	Diesel	10961.30 (	8 Hours pe	292.3	hours	
1	Parking Lo	Excavatior	Excavator	Diesel	10961.30 (	8 Hours pe	87.69	hours	
1	Parking Lo	Excavatior	Pickup Tru	Diesel	10961.30 (	8 Hours pe	87.69	hours	
1	Parking Lo	Excavatior	Roller	Diesel	10961.30 (	8 Hours pe	87.69	hours	
1	Parking Lo	Excavatior	Scraper	Diesel	10961.30 (	8 Hours pe	109.61	hours	
1	Parking Lo	Excavatior	Dozer	Diesel	26307.00 S	8 Hours pe	41.27	hours	
1	Parking Lo	Fencing	Concrete T	Diesel	1200.00 LF	2 Hours pe	13.33	hours	
1	Parking Lo	Fencing	Dump Truc	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
1	Parking Lo	Fencing	Other Gen	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
1	Parking Lo	Fencing	Pickup Tru	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
1	Parking Lo	Fencing	Skid Steer	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
1	Parking Lo	Fencing	Tractors/Lo	Diesel	1200.00 LF	8 Hours pe	53.33	hours	
1	Parking Lo	Grading	Dozer	Diesel	27869.30 S	8 Hours pe	27.87	hours	
1	Parking Lo	Grading	Grader	Diesel	27869.30 S	8 Hours pe	27.87	hours	
1	Parking Lo	Grading	Roller	Diesel	27869.30 S	8 Hours pe	27.87	hours	
1	Parking Lo	Hydroseed	Hydroseed	Diesel	251075.00	8 Hours pe	25.11	hours	
1	Parking Lo	Hydroseed	Off-Road T	Diesel	251075.00	8 Hours pe	25.11	hours	
1	Parking Lo	Markings	Flatbed Tra	Diesel	2795.00 SF	8 Hours pe	6.39	hours	
1	Parking Lo	Markings	Other Gen	Diesel	2795.00 SF	8 Hours pe	6.39	hours	
1	Parking Lo	Markings	Pickup Tru	Diesel	2795.00 SF	8 Hours pe	6.39	hours	
1	Parking Lo	Sidewalks	Concrete T	Diesel	3600.00 SF	8 Hours pe	48	hours	
1	Parking Lo	Sidewalks	Dump Truc	Diesel	3600.00 SF	8 Hours pe	48	hours	
1	Parking Lo	Sidewalks	Pickup Tru	Diesel	3600.00 SF	8 Hours pe	48	hours	
1	Parking Lo	Sidewalks	Tractors/Lo	Diesel	3600.00 SF	8 Hours pe	48	hours	
1	Parking Lo	Sidewalks	Vibratory (	Diesel	3600.00 SF	8 Hours pe	48	hours	
1	Parking Lo	Soil Erosio	Other Gen	Diesel	5.80 Acre	4 Hours pe	23.2	hours	
1	Parking Lo	Soil Erosio	Pickup Tru	Diesel	5.80 Acre	8 Hours pe	46.4	hours	
1	Parking Lo	Soil Erosio	Pumps	Diesel	5.80 Acre	4 Hours pe	23.2	hours	
1	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	5.80 Acre	4 Hours pe	23.2	hours	
1	Parking Lo	Street Ligh	Dump Truc	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Street Ligh	Loader	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Street Ligh	Other Gen	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Street Ligh	Pickup Tru	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Street Ligh	Skid Steer	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Street Ligh	Tractors/Lo	Diesel	5.90 Lights	8 Hours pe	15.73	hours	
1	Parking Lo	Subbase P	Dozer	Diesel	26307.00 S	8 Hours pe	55.38	hours	
1	Parking Lo	Subbase P	Dump Truc	Diesel	8769.00 C	8 Hours pe	389.73	hours	
1	Parking Lo	Subbase P	Pickup Tru	Diesel	26307.00 S	8 Hours pe	55.38	hours	
1	Parking Lo	Subbase P	Roller	Diesel	8769.00 C	8 Hours pe	53.96	hours	
1	Parking Lo	Topsoil Pla	Dozer	Diesel	4644.90 C	8 Hours pe	61.93	hours	
1	Parking Lo	Topsoil Pla	Dump Truc	Diesel	4644.90 C	8 Hours pe	61.93	hours	
1	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	4644.90 C	8 Hours pe	61.93	hours	
1	Parking Lo	Tree Plant	Flatbed Tra	Diesel	0.00 Trees	8 Hours pe	0	hours	
1	Parking Lo	Tree Plant	Other Gen	Diesel	0.00 Trees	8 Hours pe	0	hours	
1	Parking Lo	Tree Plant	Pickup Tru	Diesel	0.00 Trees	8 Hours pe	0	hours	
1	Parking Lo	Tree Plant	Tractors/Lo	Diesel	0.00 Trees	8 Hours pe	0	hours	
1	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	22477.50 S	8 Hours pe	28.1	hours	
1	Terminal A	Asphalt Pla	Dump Truc	Diesel	22477.50 S	8 Hours pe	101.19	hours	
1	Terminal A	Asphalt Pla	Other Gen	Diesel	22477.50 S	16 Hours p	56.19	hours	
1	Terminal A	Asphalt Pla	Pickup Tru	Diesel	22477.50 S	8 Hours pe	28.1	hours	
1	Terminal A	Asphalt Pla	Roller	Diesel	22477.50 S	8 Hours pe	28.1	hours	
1	Terminal A	Asphalt Pla	Skid Steer	Diesel	22477.50 S	8 Hours pe	28.1	hours	
1	Terminal A	Asphalt Pla	Surfacing E	Diesel	22477.50 S	8 Hours pe	35.96	hours	
1	Terminal A	Clearing an	Chain Saw	Diesel	5.00 Acre	12 Hours p	60	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Terminal A	Clearing an	Chipper/St	Diesel	5.00 Acre	12 Hours p	60	hours	
1	Terminal A	Clearing an	Pickup Tru	Diesel	5.00 Acre	16 Hours p	80	hours	
1	Terminal A	Concrete F	Air Compre	Diesel	9365.60 C	8 Hours pe	74.92	hours	
1	Terminal A	Concrete F	Concrete S	Diesel	9365.60 C	8 Hours pe	74.92	hours	
1	Terminal A	Concrete F	Concrete T	Diesel	9365.60 C	8 Hours pe	312.19	hours	
1	Terminal A	Concrete F	Other Gen	Diesel	9365.60 C	16 Hours p	149.85	hours	
1	Terminal A	Concrete F	Pickup Tru	Diesel	9365.60 C	24 Hours p	224.77	hours	
1	Terminal A	Concrete F	Rubber Tir	Diesel	9365.60 C	8 Hours pe	74.92	hours	
1	Terminal A	Concrete F	Slip Form I	Diesel	9365.60 C	8 Hours pe	74.92	hours	
1	Terminal A	Concrete F	Surfacing E	Diesel	9365.60 C	8 Hours pe	74.92	hours	
1	Terminal A	Drainage -	Dozer	Diesel	160.00 LF	8 Hours pe	5.12	hours	
1	Terminal A	Drainage -	Dump Truc	Diesel	160.00 LF	8 Hours pe	5.12	hours	
1	Terminal A	Drainage -	Excavator	Diesel	160.00 LF	8 Hours pe	5.12	hours	
1	Terminal A	Drainage -	Loader	Diesel	160.00 LF	8 Hours pe	5.12	hours	
1	Terminal A	Drainage -	Other Gen	Diesel	160.00 LF	8 Hours pe	5.12	hours	
1	Terminal A	Drainage -	Pickup Tru	Diesel	160.00 LF	8 Hours pe	5.12	hours	
1	Terminal A	Drainage -	Roller	Diesel	160.00 LF	8 Hours pe	5.12	hours	
1	Terminal A	Drainage -	Dump Truc	Diesel	320.00 LF	8 Hours pe	2.84	hours	
1	Terminal A	Drainage -	Loader	Diesel	320.00 LF	8 Hours pe	2.84	hours	
1	Terminal A	Drainage -	Other Gen	Diesel	320.00 LF	8 Hours pe	2.84	hours	
1	Terminal A	Drainage -	Pickup Tru	Diesel	320.00 LF	8 Hours pe	2.84	hours	
1	Terminal A	Drainage -	Tractors/Lo	Diesel	320.00 LF	8 Hours pe	2.84	hours	
1	Terminal A	Dust Contr	Water Tru	Diesel	180.00 Day	8 Hours pe	1440	hours	
1	Terminal A	Excavatior	Dozer	Diesel	9365.60 C	8 Hours pe	124.87	hours	
1	Terminal A	Excavatior	Dump Truc	Diesel	9365.60 C	8 Hours pe	124.87	hours	
1	Terminal A	Excavatior	Pickup Tru	Diesel	9365.60 C	8 Hours pe	124.87	hours	
1	Terminal A	Excavatior	Roller	Diesel	9365.60 C	8 Hours pe	57.63	hours	
1	Terminal A	Excavatior	Dozer	Diesel	9365.60 C	8 Hours pe	93.66	hours	
1	Terminal A	Excavatior	Dump Truc	Diesel	9365.60 C	8 Hours pe	249.75	hours	
1	Terminal A	Excavatior	Excavator	Diesel	9365.60 C	8 Hours pe	74.92	hours	
1	Terminal A	Excavatior	Pickup Tru	Diesel	9365.60 C	8 Hours pe	74.92	hours	
1	Terminal A	Excavatior	Roller	Diesel	9365.60 C	8 Hours pe	74.92	hours	
1	Terminal A	Excavatior	Scraper	Diesel	9365.60 C	8 Hours pe	93.66	hours	
1	Terminal A	Excavatior	Dozer	Diesel	22477.50 S	8 Hours pe	35.26	hours	
1	Terminal A	Fencing	Concrete T	Diesel	150.00 LF	2 Hours pe	1.67	hours	

1	Terminal A	Fencing	Dump Truc	Diesel	150.00	LF	8 Hours pe	6.67	hours
1	Terminal A	Fencing	Other Gen	Diesel	150.00	LF	8 Hours pe	6.67	hours
1	Terminal A	Fencing	Pickup Tru	Diesel	150.00	LF	8 Hours pe	6.67	hours
1	Terminal A	Fencing	Skid Steer	Diesel	150.00	LF	8 Hours pe	6.67	hours
1	Terminal A	Fencing	Tractors/Lo	Diesel	150.00	LF	8 Hours pe	6.67	hours
1	Terminal A	Grading	Dozer	Diesel	24153.60	S	8 Hours pe	24.15	hours
1	Terminal A	Grading	Grader	Diesel	24153.60	S	8 Hours pe	24.15	hours
1	Terminal A	Grading	Roller	Diesel	24153.60	S	8 Hours pe	24.15	hours
1	Terminal A	Hydroseed	Hydroseed	Diesel	217600.00	8	Hours pe	21.76	hours
1	Terminal A	Hydroseed	Off-Road T	Diesel	217600.00	8	Hours pe	21.76	hours
1	Terminal A	Lighting	Dump Truc	Diesel	3000.00	LF	8 Hours pe	20	hours
1	Terminal A	Lighting	Loader	Diesel	3000.00	LF	8 Hours pe	20	hours
1	Terminal A	Lighting	Other Gen	Diesel	3000.00	LF	8 Hours pe	20	hours
1	Terminal A	Lighting	Pickup Tru	Diesel	3000.00	LF	8 Hours pe	20	hours
1	Terminal A	Lighting	Skid Steer	Diesel	3000.00	LF	8 Hours pe	20	hours
1	Terminal A	Lighting	Tractors/Lo	Diesel	3000.00	LF	8 Hours pe	20	hours
1	Terminal A	Markings	Flatbed Tr	Diesel	202500.00	8	Hours pe	462.86	hours
1	Terminal A	Markings	Other Gen	Diesel	202500.00	8	Hours pe	462.86	hours
1	Terminal A	Markings	Pickup Tru	Diesel	202500.00	8	Hours pe	462.86	hours
1	Terminal A	Sealing/Fu	Distributin	Diesel	22477.50	S	8 Hours pe	59.94	hours
1	Terminal A	Sealing/Fu	Other Gen	Diesel	22477.50	S	8 Hours pe	59.94	hours
1	Terminal A	Sealing/Fu	Pickup Tru	Diesel	22477.50	S	8 Hours pe	59.94	hours
1	Terminal A	Soil Erosio	Other Gen	Diesel	5.00	Acre	4 Hours pe	20	hours
1	Terminal A	Soil Erosio	Pickup Tru	Diesel	5.00	Acre	8 Hours pe	40	hours
1	Terminal A	Soil Erosio	Pumps	Diesel	5.00	Acre	4 Hours pe	20	hours
1	Terminal A	Soil Erosio	Tractors/Lo	Diesel	5.00	Acre	4 Hours pe	20	hours
1	Terminal A	Subbase P	Dozer	Diesel	22477.50	S	8 Hours pe	47.32	hours
1	Terminal A	Subbase P	Dump Truc	Diesel	7492.50	Cy	8 Hours pe	333	hours
1	Terminal A	Subbase P	Pickup Tru	Diesel	22477.50	S	8 Hours pe	47.32	hours
1	Terminal A	Subbase P	Roller	Diesel	7492.50	Cy	8 Hours pe	46.11	hours
1	Terminal A	Topsoil Pla	Dozer	Diesel	4025.60	Cy	8 Hours pe	53.67	hours
1	Terminal A	Topsoil Pla	Dump Truc	Diesel	4025.60	Cy	8 Hours pe	53.67	hours
1	Terminal A	Topsoil Pla	Pickup Tru	Diesel	4025.60	Cy	8 Hours pe	53.67	hours
2	Building - :	Concrete F	Backhoe	Diesel	100000.00	0.0048	Ho	480	hours
2	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0018	Ho	180	hours
2	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0036	Ho	360	hours
2	Building - :	Concrete F	Excavator	Diesel	100000.00	0.0016	Ho	160	hours
2	Building - :	Concrete F	Fork Truck	Diesel	100000.00	0.0048	Ho	480	hours
2	Building - :	Concrete F	Tool Truck	Diesel	100000.00	0.0012	Ho	120	hours
2	Building - :	Concrete F	Tractor Tra	Diesel	100000.00	0.0024	Ho	240	hours
2	Building - :	Constructi	Survey Cre	Diesel	100000.00	0.0001	Ho	10	hours
2	Building - :	Constructi	Tractor Tra	Diesel	100000.00	0.00004	Ho	4	hours
2	Building - :	Exterior W	Fork Truck	Diesel	100000.00	0.0084	Ho	840	hours
2	Building - :	Exterior W	Generator	Diesel	100000.00	0.0008	Ho	80	hours
2	Building - :	Exterior W	Grout Mixe	Diesel	100000.00	0.0042	Ho	420	hours
2	Building - :	Exterior W	Grout Whe	Diesel	100000.00	0.0016	Ho	160	hours
2	Building - :	Exterior W	Man Lift	Diesel	100000.00	0.0168	Ho	1680	hours
2	Building - :	Exterior W	Tool Truck	Diesel	100000.00	0.0042	Ho	420	hours
2	Building - :	Exterior W	Tractor Tra	Diesel	100000.00	0.0084	Ho	840	hours
2	Building - :	Exterior W	Truck Tow	Diesel	100000.00	0.0008	Ho	80	hours
2	Building - :	Interior Bu	Fork Truck	Diesel	100000.00	0.016	Hou	1600	hours
2	Building - :	Interior Bu	Man Lift	Diesel	100000.00	0.032	Hou	3200	hours
2	Building - :	Interior Bu	Tool Truck	Diesel	100000.00	0.016	Hou	1600	hours
2	Building - :	Interior Bu	Tractor Tra	Diesel	100000.00	0.016	Hou	1600	hours
2	Building - :	Roofing	High Lift	Diesel	100000.00	0.0016	Ho	160	hours
2	Building - :	Roofing	Man Lift	Diesel	100000.00	0.0004	Ho	40	hours
2	Building - :	Roofing	Material D	Diesel	100000.00	0.0006	Ho	60	hours
2	Building - :	Roofing	Tractor Tra	Diesel	100000.00	0.0004	Ho	40	hours
2	Building - :	Roofing	Truck Tow	Diesel	100000.00	0.0012	Ho	120	hours
2	Building - :	Security &	High Lift	Diesel	100000.00	0.008	Hou	800	hours
2	Building - :	Security &	Tool Truck	Diesel	100000.00	0.008	Hou	800	hours
2	Building - :	Structural	90 Ton Cra	Diesel	100000.00	0.0024	Ho	240	hours
2	Building - :	Structural	Concrete F	Diesel	100000.00	0.0006	Ho	60	hours
2	Building - :	Structural	Concrete T	Diesel	100000.00	0.0006	Ho	60	hours
2	Building - :	Structural	Fork Truck	Diesel	100000.00	0.0064	Ho	640	hours
2	Building - :	Structural	Tool Truck	Diesel	100000.00	0.0016	Ho	160	hours
2	Building - :	Structural	Tractor Tra	Diesel	100000.00	0.0036	Ho	360	hours
2	Building - :	Structural	Trowel Ma	Diesel	100000.00	0.0004	Ho	40	hours
2	Building - :	Structural	Truck Tow	Diesel	100000.00	0.0072	Ho	720	hours
2	Parking Lo	Asphalt Pla	Asphalt Pa	Diesel	26307.00	S	8 Hours pe	32.88	hours
2	Parking Lo	Asphalt Pla	Dump Truc	Diesel	26307.00	S	8 Hours pe	118.43	hours
2	Parking Lo	Asphalt Pla	Other Gen	Diesel	26307.00	S	16 Hours p	65.77	hours
2	Parking Lo	Asphalt Pla	Pickup Tru	Diesel	26307.00	S	8 Hours pe	32.88	hours
2	Parking Lo	Asphalt Pla	Roller	Diesel	26307.00	S	8 Hours pe	32.88	hours
2	Parking Lo	Asphalt Pla	Skid Steer	Diesel	26307.00	S	8 Hours pe	32.88	hours
2	Parking Lo	Asphalt Pla	Surfacing E	Diesel	26307.00	S	8 Hours pe	42.09	hours
2	Parking Lo	Clearing an	Chain Saw	Diesel	5.80	Acre	12 Hours p	69.6	hours
2	Parking Lo	Clearing an	Chipper/St	Diesel	5.80	Acre	12 Hours p	69.6	hours
2	Parking Lo	Clearing an	Pickup Tru	Diesel	5.80	Acre	16 Hours p	92.8	hours
2	Parking Lo	Concrete F	Air Compre	Diesel	10961.30	C	8 Hours pe	87.69	hours
2	Parking Lo	Concrete F	Concrete S	Diesel	10961.30	C	8 Hours pe	87.69	hours
2	Parking Lo	Concrete F	Concrete T	Diesel	10961.30	C	8 Hours pe	365.38	hours
2	Parking Lo	Concrete F	Other Gen	Diesel	10961.30	C	16 Hours p	175.38	hours
2	Parking Lo	Concrete F	Pickup Tru	Diesel	10961.30	C	24 Hours p	263.07	hours
2	Parking Lo	Concrete F	Rubber Tir	Diesel	10961.30	C	8 Hours pe	87.69	hours
2	Parking Lo	Concrete F	Slip Form I	Diesel	10961.30	C	8 Hours pe	87.69	hours
2	Parking Lo	Concrete F	Surfacing E	Diesel	10961.30	C	8 Hours pe	87.69	hours
2	Parking Lo	Curbing	Concrete T	Diesel	1200.00	LF	8 Hours pe	24	hours
2	Parking Lo	Curbing	Curb/Gutte	Diesel	1200.00	LF	8 Hours pe	24	hours
2	Parking Lo	Curbing	Other Gen	Diesel	1200.00	LF	8 Hours pe	24	hours
2	Parking Lo	Curbing	Pickup Tru	Diesel	1200.00	LF	8 Hours pe	24	hours
2	Parking Lo	Drainage -	Dozer	Diesel	1210.00	LF	8 Hours pe	38.72	hours
2	Parking Lo	Drainage -	Dump Truc	Diesel	1210.00	LF	8 Hours pe	38.72	hours
2	Parking Lo	Drainage -	Excavator	Diesel	1210.00	LF	8 Hours pe	38.72	hours
2	Parking Lo	Drainage -	Loader	Diesel	1210.00	LF	8 Hours pe	38.72	hours
2	Parking Lo	Drainage -	Other Gen	Diesel	1210.00	LF	8 Hours pe	38.72	hours
2	Parking Lo	Drainage -	Pickup Tru	Diesel	1210.00	LF	8 Hours pe	38.72	hours
2	Parking Lo	Drainage -	Roller	Diesel	1210.00	LF	8 Hours pe	38.72	hours
2	Parking Lo	Drainage -	Dump Truc	Diesel	7260.00	LF	8 Hours pe	64.53	hours
2	Parking Lo	Drainage -	Loader	Diesel	7260.00	LF	8 Hours pe	64.53	hours
2	Parking Lo	Drainage -	Other Gen	Diesel	7260.00	LF	8 Hours pe	64.53	hours
2	Parking Lo	Drainage -	Pickup Tru	Diesel	7260.00	LF	8 Hours pe	64.53	hours
2	Parking Lo	Drainage -	Tractors/Lo	Diesel	7260.00	LF	8 Hours pe	64.53	hours
2	Parking Lo	Excavatior	Dozer	Diesel	10961.30	C	8 Hours pe	146.15	hours
2	Parking Lo	Excavatior	Dump Truc	Diesel	10961.30	C	8 Hours pe	146.15	hours
2	Parking Lo	Excavatior	Pickup Tru	Diesel	10961.30	C	8 Hours pe	146.15	hours
2	Parking Lo	Excavatior	Roller	Diesel	10961.30	C	8 Hours pe	67.45	hours
2	Parking Lo	Excavatior	Dozer	Diesel	10961.30	C	8 Hours pe	109.61	hours
2	Parking Lo	Excavatior	Dump Truc	Diesel	10961.30	C	8 Hours pe	292.3	hours
2	Parking Lo	Excavatior	Excavator	Diesel	10961.30	C	8 Hours pe	87.69	hours
2	Parking Lo	Excavatior	Pickup Tru	Diesel	10961.30	C	8 Hours pe	87.69	hours
2	Parking Lo	Excavatior	Roller	Diesel	10961.30	C	8 Hours pe	87.69	hours
2	Parking Lo	Excavatior	Scraper	Diesel	10961.30	C	8 Hours pe	109.61	hours
2	Parking Lo	Excavatior	Dozer	Diesel	26307.00	S	8 Hours pe	41.27	hours
2	Parking Lo	Fencing	Concrete T	Diesel	1200.00	LF	2 Hours pe	13.33	hours
2	Parking Lo	Fencing	Dump Truc	Diesel	1200.00	LF	8 Hours pe	53.33	hours
2	Parking Lo	Fencing	Other Gen	Diesel	1200.00	LF	8 Hours pe	53.33	hours
2	Parking Lo	Fencing	Pickup Tru	Diesel	1200.00	LF	8 Hours pe	53.33	hours
2	Parking Lo	Fencing	Skid Steer	Diesel	1200.00	LF	8 Hours pe	53.33	hours
2	Parking Lo	Fencing	Tractors/Lo	Diesel	1200.00	LF	8 Hours pe	53.33	hours
2	Parking Lo	Grading	Dozer	Diesel	27869.30	S	8 Hours pe	27.87	hours
2	Parking Lo	Grading	Grader	Diesel	27869.30	S	8 Hours pe	27.87	hours
2	Parking Lo	Grading	Roller	Diesel	27869.30	S	8 Hours pe	27.87	hours
2	Parking Lo	Hydroseed	Hydroseed	Diesel	251075.00	8	Hours pe	25.11	hours
2	Parking Lo	Hydroseed	Off-Road T	Diesel	251075.00	8	Hours pe	25.11	hours
2	Parking Lo	Markings	Flatbed Tr	Diesel	2795.00	SF	8 Hours pe	6.39	hours
2	Parking Lo	Markings	Other Gen	Diesel	2795.00	SF	8 Hours pe	6.39	hours
2	Parking Lo	Markings	Pickup Tru	Diesel	2795.00	SF	8 Hours pe	6.39	hours
2	Parking Lo	Sidewalks	Concrete T	Diesel	3600.00	SF	8 Hours pe	48	hours
2	Parking Lo	Sidewalks	Dump Truc	Diesel	3600.00	SF	8 Hours pe	48	hours
2	Parking Lo	Sidewalks	Pickup Tru	Diesel	3600.00	SF	8 Hours pe	48	hours
2	Parking Lo	Sidewalks	Tractors/Lo	Diesel	3600.00	SF	8 Hours pe	48	hours
2	Parking Lo	Sidewalks	Vibratory C	Diesel	3600.00	SF	8 Hours pe	48	hours
2	Parking Lo	Soil Erosio	Other Gen	Diesel	5.80	Acre	4 Hours pe	23.2	hours
2	Parking Lo	Soil Erosio	Pickup Tru	Diesel	5.80	Acre	8 Hours pe	46.4	hours
2	Parking Lo	Soil Erosio	Pumps	Diesel	5.80	Acre	4 Hours pe	23.2	hours
2	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	5.80	Acre	4 Hours pe	23.2	hours
2	Parking Lo	Street Ligh	Dump Truc	Diesel	5.90	Lights	8 Hours pe	15.73	hours
2	Parking Lo	Street Ligh	Loader	Diesel	5.90	Lights	8 Hours pe	15.73	hours
2	Parking Lo	Street Ligh	Other Gen	Diesel	5.90	Lights	8 Hours pe	15.73	hours
2	Parking Lo	Street Ligh	Pickup Tru	Diesel	5.90	Lights	8 Hours pe	15.73	hours
2	Parking Lo	Street Ligh	Skid Steer	Diesel	5.90	Lights	8 Hours pe	15.73	hours

*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***

2	Parking Lo	Street Ligh	Tractors/Lo	Diesel	5.90	Lights	8 Hours pe	15.73	hours	
2	Parking Lo	Subbase P	Dozer	Diesel	26307.00	S	8 Hours pe	55.38	hours	
2	Parking Lo	Subbase P	Dump Truc	Diesel	8769.00	Cy	8 Hours pe	389.73	hours	
2	Parking Lo	Subbase P	Pickup Tru	Diesel	26307.00	S	8 Hours pe	55.38	hours	
2	Parking Lo	Subbase P	Roller	Diesel	8769.00	Cy	8 Hours pe	53.96	hours	
2	Parking Lo	Topsoil Pla	Dozer	Diesel	4644.90	Cy	8 Hours pe	61.93	hours	
2	Parking Lo	Topsoil Pla	Dump Truc	Diesel	4644.90	Cy	8 Hours pe	61.93	hours	
2	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	4644.90	Cy	8 Hours pe	61.93	hours	
2	Parking Lo	Tree Plant	Flatbed Tr	Diesel	0.00	Trees	8 Hours pe	0	hours	
2	Parking Lo	Tree Plant	Other Gen	Diesel	0.00	Trees	8 Hours pe	0	hours	
2	Parking Lo	Tree Plant	Pickup Tru	Diesel	0.00	Trees	8 Hours pe	0	hours	
2	Parking Lo	Tree Plant	Tractors/Lo	Diesel	0.00	Trees	8 Hours pe	0	hours	
2	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	22477.50	S	8 Hours pe	28.1	hours	
2	Terminal A	Asphalt Pla	Dump Truc	Diesel	22477.50	S	8 Hours pe	101.19	hours	
2	Terminal A	Asphalt Pla	Other Gen	Diesel	22477.50	S	16 Hours p	56.19	hours	
2	Terminal A	Asphalt Pla	Pickup Tru	Diesel	22477.50	S	8 Hours pe	28.1	hours	
2	Terminal A	Asphalt Pla	Roller	Diesel	22477.50	S	8 Hours pe	28.1	hours	
2	Terminal A	Asphalt Pla	Skid Steer	Diesel	22477.50	S	8 Hours pe	28.1	hours	
2	Terminal A	Asphalt Pla	Surfacing E	Diesel	22477.50	S	8 Hours pe	35.96	hours	
2	Terminal A	Clearing an	Chain Saw	Diesel	5.00	Acre	12 Hours p	60	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	Terminal A	Clearing an	Chipper/St	Diesel	5.00	Acre	12 Hours p	60	hours	
2	Terminal A	Clearing an	Pickup Tru	Diesel	5.00	Acre	16 Hours p	80	hours	
2	Terminal A	Concrete F	Air Compre	Diesel	9365.60	Cy	8 Hours pe	74.92	hours	
2	Terminal A	Concrete F	Concrete S	Diesel	9365.60	Cy	8 Hours pe	74.92	hours	
2	Terminal A	Concrete F	Concrete T	Diesel	9365.60	Cy	8 Hours pe	312.19	hours	
2	Terminal A	Concrete F	Other Gen	Diesel	9365.60	Cy	16 Hours p	149.85	hours	
2	Terminal A	Concrete F	Pickup Tru	Diesel	9365.60	Cy	24 Hours p	224.77	hours	
2	Terminal A	Concrete F	Rubber Tir	Diesel	9365.60	Cy	8 Hours pe	74.92	hours	
2	Terminal A	Concrete F	Slip Form I	Diesel	9365.60	Cy	8 Hours pe	74.92	hours	
2	Terminal A	Concrete F	Surfacing E	Diesel	9365.60	Cy	8 Hours pe	74.92	hours	
2	Terminal A	Drainage -	Dozer	Diesel	160.00	LF	8 Hours pe	5.12	hours	
2	Terminal A	Drainage -	Dump Truc	Diesel	160.00	LF	8 Hours pe	5.12	hours	
2	Terminal A	Drainage -	Excavator	Diesel	160.00	LF	8 Hours pe	5.12	hours	
2	Terminal A	Drainage -	Loader	Diesel	160.00	LF	8 Hours pe	5.12	hours	
2	Terminal A	Drainage -	Other Gen	Diesel	160.00	LF	8 Hours pe	5.12	hours	
2	Terminal A	Drainage -	Pickup Tru	Diesel	160.00	LF	8 Hours pe	5.12	hours	
2	Terminal A	Drainage -	Roller	Diesel	160.00	LF	8 Hours pe	5.12	hours	
2	Terminal A	Drainage -	Dump Truc	Diesel	320.00	LF	8 Hours pe	2.84	hours	
2	Terminal A	Drainage -	Loader	Diesel	320.00	LF	8 Hours pe	2.84	hours	
2	Terminal A	Drainage -	Other Gen	Diesel	320.00	LF	8 Hours pe	2.84	hours	
2	Terminal A	Drainage -	Pickup Tru	Diesel	320.00	LF	8 Hours pe	2.84	hours	
2	Terminal A	Drainage -	Tractors/Lo	Diesel	320.00	LF	8 Hours pe	2.84	hours	
2	Terminal A	Dust Contr	Water Truc	Diesel	180.00	Day	8 Hours pe	1440	hours	
2	Terminal A	Excavatior	Dozer	Diesel	9365.60	Cy	8 Hours pe	124.87	hours	
2	Terminal A	Excavatior	Dump Truc	Diesel	9365.60	Cy	8 Hours pe	124.87	hours	
2	Terminal A	Excavatior	Pickup Tru	Diesel	9365.60	Cy	8 Hours pe	124.87	hours	
2	Terminal A	Excavatior	Roller	Diesel	9365.60	Cy	8 Hours pe	57.63	hours	
2	Terminal A	Excavatior	Dozer	Diesel	9365.60	Cy	8 Hours pe	93.66	hours	
2	Terminal A	Excavatior	Dump Truc	Diesel	9365.60	Cy	8 Hours pe	249.75	hours	
2	Terminal A	Excavatior	Excavator	Diesel	9365.60	Cy	8 Hours pe	74.92	hours	
2	Terminal A	Excavatior	Pickup Tru	Diesel	9365.60	Cy	8 Hours pe	74.92	hours	
2	Terminal A	Excavatior	Roller	Diesel	9365.60	Cy	8 Hours pe	74.92	hours	
2	Terminal A	Excavatior	Scraper	Diesel	9365.60	Cy	8 Hours pe	93.66	hours	
2	Terminal A	Excavatior	Dozer	Diesel	22477.50	S	8 Hours pe	35.26	hours	
2	Terminal A	Fencing	Concrete T	Diesel	150.00	LF	2 Hours pe	1.67	hours	
2	Terminal A	Fencing	Dump Truc	Diesel	150.00	LF	8 Hours pe	6.67	hours	
2	Terminal A	Fencing	Other Gen	Diesel	150.00	LF	8 Hours pe	6.67	hours	
2	Terminal A	Fencing	Pickup Tru	Diesel	150.00	LF	8 Hours pe	6.67	hours	
2	Terminal A	Fencing	Skid Steer	Diesel	150.00	LF	8 Hours pe	6.67	hours	
2	Terminal A	Fencing	Tractors/Lo	Diesel	150.00	LF	8 Hours pe	6.67	hours	
2	Terminal A	Grading	Dozer	Diesel	24153.60	S	8 Hours pe	24.15	hours	
2	Terminal A	Grading	Grader	Diesel	24153.60	S	8 Hours pe	24.15	hours	
2	Terminal A	Grading	Roller	Diesel	24153.60	S	8 Hours pe	24.15	hours	
2	Terminal A	Hydroseed	Hydroseed	Diesel	217600.00	8 Hours pe		21.76	hours	
2	Terminal A	Hydroseed	Off-Road T	Diesel	217600.00	8 Hours pe		21.76	hours	
2	Terminal A	Lighting	Dump Truc	Diesel	3000.00	LF	8 Hours pe	20	hours	
2	Terminal A	Lighting	Loader	Diesel	3000.00	LF	8 Hours pe	20	hours	
2	Terminal A	Lighting	Other Gen	Diesel	3000.00	LF	8 Hours pe	20	hours	
2	Terminal A	Lighting	Pickup Tru	Diesel	3000.00	LF	8 Hours pe	20	hours	
2	Terminal A	Lighting	Skid Steer	Diesel	3000.00	LF	8 Hours pe	20	hours	
2	Terminal A	Lighting	Tractors/Lo	Diesel	3000.00	LF	8 Hours pe	20	hours	
2	Terminal A	Markings	Flatbed Tr	Diesel	202500.00	8 Hours pe		462.86	hours	
2	Terminal A	Markings	Other Gen	Diesel	202500.00	8 Hours pe		462.86	hours	
2	Terminal A	Markings	Pickup Tru	Diesel	202500.00	8 Hours pe		462.86	hours	
2	Terminal A	Sealing/Fu	Distributin	Diesel	22477.50	S	8 Hours pe	59.94	hours	
2	Terminal A	Sealing/Fu	Other Gen	Diesel	22477.50	S	8 Hours pe	59.94	hours	
2	Terminal A	Sealing/Fu	Pickup Tru	Diesel	22477.50	S	8 Hours pe	59.94	hours	
2	Terminal A	Soil Erosio	Other Gen	Diesel	5.00	Acre	4 Hours pe	20	hours	
2	Terminal A	Soil Erosio	Pickup Tru	Diesel	5.00	Acre	8 Hours pe	40	hours	
2	Terminal A	Soil Erosio	Pumps	Diesel	5.00	Acre	4 Hours pe	20	hours	
2	Terminal A	Soil Erosio	Tractors/Lo	Diesel	5.00	Acre	4 Hours pe	20	hours	
2	Terminal A	Subbase P	Dozer	Diesel	22477.50	S	8 Hours pe	47.32	hours	
2	Terminal A	Subbase P	Dump Truc	Diesel	7492.50	Cy	8 Hours pe	333	hours	
2	Terminal A	Subbase P	Pickup Tru	Diesel	22477.50	S	8 Hours pe	47.32	hours	
2	Terminal A	Subbase P	Roller	Diesel	7492.50	Cy	8 Hours pe	46.11	hours	
2	Terminal A	Topsoil Pla	Dozer	Diesel	4025.60	Cy	8 Hours pe	53.67	hours	
2	Terminal A	Topsoil Pla	Dump Truc	Diesel	4025.60	Cy	8 Hours pe	53.67	hours	
2	Terminal A	Topsoil Pla	Pickup Tru	Diesel	4025.60	Cy	8 Hours pe	53.67	hours	
3	Access Roa	Asphalt Pla	Asphalt Pa	Diesel	3996.00	SY	8 Hours pe	5	hours	
3	Access Roa	Asphalt Pla	Dump Truc	Diesel	3996.00	SY	8 Hours pe	17.99	hours	
3	Access Roa	Asphalt Pla	Other Gen	Diesel	3996.00	SY	16 Hours p	9.99	hours	
3	Access Roa	Asphalt Pla	Pickup Tru	Diesel	3996.00	SY	8 Hours pe	5	hours	
3	Access Roa	Asphalt Pla	Roller	Diesel	3996.00	SY	8 Hours pe	5	hours	
3	Access Roa	Asphalt Pla	Skid Steer	Diesel	3996.00	SY	8 Hours pe	5	hours	
3	Access Roa	Asphalt Pla	Surfacing E	Diesel	3996.00	SY	8 Hours pe	6.39	hours	
3	Access Roa	Clearing an	Chain Saw	Diesel	1.20	Acre	12 Hours p	14.4	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Access Roa	Clearing an	Chipper/St	Diesel	1.20	Acre	12 Hours p	14.4	hours	
3	Access Roa	Clearing an	Pickup Tru	Diesel	1.20	Acre	16 Hours p	19.2	hours	
3	Access Roa	Concrete F	Air Compre	Diesel	1665.00	Cy	8 Hours pe	13.32	hours	
3	Access Roa	Concrete F	Concrete S	Diesel	1665.00	Cy	8 Hours pe	13.32	hours	
3	Access Roa	Concrete F	Concrete T	Diesel	1665.00	Cy	8 Hours pe	55.5	hours	
3	Access Roa	Concrete F	Other Gen	Diesel	1665.00	Cy	16 Hours p	26.64	hours	
3	Access Roa	Concrete F	Pickup Tru	Diesel	1665.00	Cy	24 Hours p	39.96	hours	
3	Access Roa	Concrete F	Rubber Tir	Diesel	1665.00	Cy	8 Hours pe	13.32	hours	
3	Access Roa	Concrete F	Slip Form I	Diesel	1665.00	Cy	8 Hours pe	13.32	hours	
3	Access Roa	Concrete F	Surfacing E	Diesel	1665.00	Cy	8 Hours pe	13.32	hours	
3	Access Roa	Curbing	Concrete T	Diesel	3000.00	LF	8 Hours pe	60	hours	
3	Access Roa	Curbing	Curb/Gutte	Diesel	3000.00	LF	8 Hours pe	60	hours	
3	Access Roa	Curbing	Other Gen	Diesel	3000.00	LF	8 Hours pe	60	hours	
3	Access Roa	Curbing	Pickup Tru	Diesel	3000.00	LF	8 Hours pe	60	hours	
3	Access Roa	Drainage -	Dozer	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
3	Access Roa	Drainage -	Dump Truc	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
3	Access Roa	Drainage -	Excavator	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
3	Access Roa	Drainage -	Loader	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
3	Access Roa	Drainage -	Other Gen	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
3	Access Roa	Drainage -	Pickup Tru	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
3	Access Roa	Drainage -	Roller	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
3	Access Roa	Drainage -	Dump Truc	Diesel	3020.00	LF	8 Hours pe	26.84	hours	
3	Access Roa	Drainage -	Loader	Diesel	3020.00	LF	8 Hours pe	26.84	hours	
3	Access Roa	Drainage -	Other Gen	Diesel	3020.00	LF	8 Hours pe	26.84	hours	
3	Access Roa	Drainage -	Pickup Tru	Diesel	3020.00	LF	8 Hours pe	26.84	hours	
3	Access Roa	Drainage -	Tractors/Lo	Diesel	3020.00	LF	8 Hours pe	26.84	hours	
3	Access Roa	Dust Contr	Water Truc	Diesel	180.00	Day	8 Hours pe	1440	hours	
3	Access Roa	Excavatior	Dozer	Diesel	1665.00	Cy	8 Hours pe	22.2	hours	
3	Access Roa	Excavatior	Dump Truc	Diesel	1665.00	Cy	8 Hours pe	22.2	hours	
3	Access Roa	Excavatior	Pickup Tru	Diesel	1665.00	Cy	8 Hours pe	22.2	hours	
3	Access Roa	Excavatior	Roller	Diesel	1665.00	Cy	8 Hours pe	10.25	hours	
3	Access Roa	Excavatior	Dozer	Diesel	1665.00	Cy	8 Hours pe	16.65	hours	
3	Access Roa	Excavatior	Dump Truc	Diesel	1665.00	Cy	8 Hours pe	44.4	hours	
3	Access Roa	Excavatior	Excavator	Diesel	1665.00	Cy	8 Hours pe	13.32	hours	
3	Access Roa	Excavatior	Pickup Tru	Diesel	1665.00	Cy	8 Hours pe	13.32	hours	
3	Access Roa	Excavatior	Roller	Diesel	1665.00	Cy	8 Hours pe	13.32	hours	
3	Access Roa	Excavatior	Scraper	Diesel	1665.00	Cy	8 Hours pe	16.65	hours	
3	Access Roa	Excavatior	Dozer	Diesel	3996.00	SY	8 Hours pe	6.27	hours	
3	Access Roa	Fencing	Concrete T	Diesel	1500.00	LF	2 Hours pe	16.67	hours	
3	Access Roa	Fencing	Dump Truc	Diesel	1500.00	LF	8 Hours pe	66.67	hours	
3	Access Roa	Fencing	Other Gen	Diesel	1500.00	LF	8 Hours pe	66.67	hours	
3	Access Roa	Fencing	Pickup Tru	Diesel	1500.00	LF	8 Hours pe	66.67	hours	
3	Access Roa	Fencing	Skid Steer	Diesel	1500.00	LF	8 Hours pe	66.67	hours	
3	Access Roa	Fencing	Tractors/Lo	Diesel	1500.00	LF	8 Hours pe	66.67	hours	
3	Access Roa	Grading	Dozer	Diesel	5698.70	SY	8 Hours pe	5.7	hours	
3	Access Roa	Grading	Grader	Diesel	5698.70	SY	8 Hours pe	5.7	hours	

3	Access Ro	Grading	Roller	Diesel	5698.70	SY	8 Hours pe	5.7	hours	
3	Access Ro	Hydroseec	Hydroseed	Diesel	51340.00	S	8 Hours pe	5.13	hours	
3	Access Ro	Hydroseec	Off-Road T	Diesel	51340.00	S	8 Hours pe	5.13	hours	
3	Access Ro	Markings	Flatbed Tr	Diesel	36000.00	S	8 Hours pe	82.29	hours	
3	Access Ro	Markings	Other Gen	Diesel	36000.00	S	8 Hours pe	82.29	hours	
3	Access Ro	Markings	Pickup Tru	Diesel	36000.00	S	8 Hours pe	82.29	hours	
3	Access Ro	Sidewalks	Concrete T	Diesel	9000.00	SF	8 Hours pe	120	hours	
3	Access Ro	Sidewalks	Dump Truc	Diesel	9000.00	SF	8 Hours pe	120	hours	
3	Access Ro	Sidewalks	Pickup Tru	Diesel	9000.00	SF	8 Hours pe	120	hours	
3	Access Ro	Sidewalks	Tractors/L	Diesel	9000.00	SF	8 Hours pe	120	hours	
3	Access Ro	Sidewalks	Vibratory (	Diesel	9000.00	SF	8 Hours pe	120	hours	
3	Access Ro	Soil Erosio	Other Gen	Diesel	1.20	Acre	4 Hours pe	4.8	hours	
3	Access Ro	Soil Erosio	Pickup Tru	Diesel	1.20	Acre	8 Hours pe	9.6	hours	
3	Access Ro	Soil Erosio	Pumps	Diesel	1.20	Acre	4 Hours pe	4.8	hours	
3	Access Ro	Soil Erosio	Tractors/L	Diesel	1.20	Acre	4 Hours pe	4.8	hours	
3	Access Ro	Street Ligh	Dump Truc	Diesel	15.00	Ligh	8 Hours pe	40	hours	
3	Access Ro	Street Ligh	Loader	Diesel	15.00	Ligh	8 Hours pe	40	hours	
3	Access Ro	Street Ligh	Other Gen	Diesel	15.00	Ligh	8 Hours pe	40	hours	
3	Access Ro	Street Ligh	Pickup Tru	Diesel	15.00	Ligh	8 Hours pe	40	hours	
3	Access Ro	Street Ligh	Skid Steer	Diesel	15.00	Ligh	8 Hours pe	40	hours	
3	Access Ro	Street Ligh	Tractors/L	Diesel	15.00	Ligh	8 Hours pe	40	hours	
3	Access Ro	Subbase P	Dozer	Diesel	3996.00	SY	8 Hours pe	8.41	hours	
3	Access Ro	Subbase P	Dump Truc	Diesel	1332.00	CY	8 Hours pe	59.2	hours	
3	Access Ro	Subbase P	Pickup Tru	Diesel	3996.00	SY	8 Hours pe	8.41	hours	
3	Access Ro	Subbase P	Roller	Diesel	1332.00	CY	8 Hours pe	8.2	hours	
3	Access Ro	Topsoil Pla	Dozer	Diesel	949.80	CY	8 Hours pe	12.66	hours	
3	Access Ro	Topsoil Pla	Dump Truc	Diesel	949.80	CY	8 Hours pe	12.66	hours	
3	Access Ro	Topsoil Pla	Pickup Tru	Diesel	949.80	CY	8 Hours pe	12.66	hours	
3	Access Ro	Tree Plant	Flatbed Tr	Diesel	0.00	Trees	8 Hours pe	0	hours	
3	Access Ro	Tree Plant	Other Gen	Diesel	0.00	Trees	8 Hours pe	0	hours	
3	Access Ro	Tree Plant	Pickup Tru	Diesel	0.00	Trees	8 Hours pe	0	hours	
3	Access Ro	Tree Plant	Tractors/L	Diesel	0.00	Trees	8 Hours pe	0	hours	
3	Building -	Concrete F	Backhoe	Diesel	100000.00	0.0048	Ho	480	hours	
3	Building -	Concrete F	Concrete F	Diesel	100000.00	0.0018	Ho	180	hours	
3	Building -	Concrete F	Concrete F	Diesel	100000.00	0.0036	Ho	360	hours	
3	Building -	Concrete F	Excavator	Diesel	100000.00	0.0016	Ho	160	hours	
3	Building -	Concrete F	Fork Truck	Diesel	100000.00	0.0048	Ho	480	hours	
3	Building -	Concrete F	Tool Truck	Diesel	100000.00	0.0012	Ho	120	hours	
3	Building -	Concrete F	Tractor Tra	Diesel	100000.00	0.0024	Ho	240	hours	
3	Building -	Constructi	Survey Cre	Diesel	100000.00	0.0001	Ho	10	hours	
3	Building -	Constructi	Tractor Tra	Diesel	100000.00	0.00004	H	4	hours	
3	Building -	Exterior W	Fork Truck	Diesel	100000.00	0.0084	Ho	840	hours	
3	Building -	Exterior W	Generator	Diesel	100000.00	0.0008	Ho	80	hours	
3	Building -	Exterior W	Grout Mix	Diesel	100000.00	0.0042	Ho	420	hours	
3	Building -	Exterior W	Grout Wha	Diesel	100000.00	0.0016	Ho	160	hours	
3	Building -	Exterior W	Man Lift	Diesel	100000.00	0.0168	Ho	1680	hours	
3	Building -	Exterior W	Tool Truck	Diesel	100000.00	0.0042	Ho	420	hours	
3	Building -	Exterior W	Tractor Tra	Diesel	100000.00	0.0084	Ho	840	hours	
3	Building -	Exterior W	Truck Tow	Diesel	100000.00	0.0008	Ho	80	hours	
3	Building -	Interior Bu	Fork Truck	Diesel	100000.00	0.016	Hou	1600	hours	
3	Building -	Interior Bu	Man Lift	Diesel	100000.00	0.032	Hou	3200	hours	
3	Building -	Interior Bu	Tool Truck	Diesel	100000.00	0.016	Hou	1600	hours	
3	Building -	Interior Bu	Tractor Tra	Diesel	100000.00	0.016	Hou	1600	hours	
3	Building -	Roofing	High Lift	Diesel	100000.00	0.0016	Ho	160	hours	
3	Building -	Roofing	Man Lift	Diesel	100000.00	0.0004	Ho	40	hours	
3	Building -	Roofing	Material D	Diesel	100000.00	0.0006	Ho	60	hours	
3	Building -	Roofing	Tractor Tra	Diesel	100000.00	0.0004	Ho	40	hours	
3	Building -	Roofing	Truck Tow	Diesel	100000.00	0.0012	Ho	120	hours	
3	Building -	Security &	High Lift	Diesel	100000.00	0.008	Hou	800	hours	
3	Building -	Security &	Tool Truck	Diesel	100000.00	0.008	Hou	800	hours	
3	Building -	Structural	90 Ton Cra	Diesel	100000.00	0.0024	Ho	240	hours	
3	Building -	Structural	Concrete F	Diesel	100000.00	0.0006	Ho	60	hours	
3	Building -	Structural	Concrete T	Diesel	100000.00	0.0006	Ho	60	hours	
3	Building -	Structural	Fork Truck	Diesel	100000.00	0.0064	Ho	640	hours	
3	Building -	Structural	Tool Truck	Diesel	100000.00	0.0016	Ho	160	hours	
3	Building -	Structural	Tractor Tra	Diesel	100000.00	0.0036	Ho	360	hours	
3	Building -	Structural	Trowel Ma	Diesel	100000.00	0.0004	Ho	40	hours	
3	Building -	Structural	Truck Tow	Diesel	100000.00	0.0072	Ho	720	hours	
3	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	22477.50	S	8 Hours pe	28.1	hours	
3	Terminal A	Asphalt Pla	Dump Truc	Diesel	22477.50	S	8 Hours pe	101.19	hours	
3	Terminal A	Asphalt Pla	Other Gen	Diesel	22477.50	S	16 Hours p	56.19	hours	
3	Terminal A	Asphalt Pla	Pickup Tru	Diesel	22477.50	S	8 Hours pe	28.1	hours	
3	Terminal A	Asphalt Pla	Roller	Diesel	22477.50	S	8 Hours pe	28.1	hours	
3	Terminal A	Asphalt Pla	Skid Steer	Diesel	22477.50	S	8 Hours pe	28.1	hours	
3	Terminal A	Asphalt Pla	Surfacing E	Diesel	22477.50	S	8 Hours pe	35.96	hours	
3	Terminal A	Clearing a	Chain Saw	Diesel	5.00	Acre	12 Hours p	60	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Terminal A	Clearing a	Chipper/St	Diesel	5.00	Acre	12 Hours p	60	hours	
3	Terminal A	Clearing a	Pickup Tru	Diesel	5.00	Acre	16 Hours p	80	hours	
3	Terminal A	Concrete F	Air Compr	Diesel	9365.60	CY	8 Hours pe	74.92	hours	
3	Terminal A	Concrete F	Concrete S	Diesel	9365.60	CY	8 Hours pe	74.92	hours	
3	Terminal A	Concrete F	Concrete T	Diesel	9365.60	CY	8 Hours pe	312.19	hours	
3	Terminal A	Concrete F	Other Gen	Diesel	9365.60	CY	16 Hours p	149.85	hours	
3	Terminal A	Concrete F	Pickup Tru	Diesel	9365.60	CY	24 Hours p	224.77	hours	
3	Terminal A	Concrete F	Rubber Tir	Diesel	9365.60	CY	8 Hours pe	74.92	hours	
3	Terminal A	Concrete F	Slip Form I	Diesel	9365.60	CY	8 Hours pe	74.92	hours	
3	Terminal A	Concrete F	Surfacing E	Diesel	9365.60	CY	8 Hours pe	74.92	hours	
3	Terminal A	Drainage -	Dozer	Diesel	160.00	LF	8 Hours pe	5.12	hours	
3	Terminal A	Drainage -	Dump Truc	Diesel	160.00	LF	8 Hours pe	5.12	hours	
3	Terminal A	Drainage -	Excavator	Diesel	160.00	LF	8 Hours pe	5.12	hours	
3	Terminal A	Drainage -	Loader	Diesel	160.00	LF	8 Hours pe	5.12	hours	
3	Terminal A	Drainage -	Other Gen	Diesel	160.00	LF	8 Hours pe	5.12	hours	
3	Terminal A	Drainage -	Pickup Tru	Diesel	160.00	LF	8 Hours pe	5.12	hours	
3	Terminal A	Drainage -	Roller	Diesel	160.00	LF	8 Hours pe	5.12	hours	
3	Terminal A	Drainage -	Dump Truc	Diesel	320.00	LF	8 Hours pe	2.84	hours	
3	Terminal A	Drainage -	Loader	Diesel	320.00	LF	8 Hours pe	2.84	hours	
3	Terminal A	Drainage -	Other Gen	Diesel	320.00	LF	8 Hours pe	2.84	hours	
3	Terminal A	Drainage -	Pickup Tru	Diesel	320.00	LF	8 Hours pe	2.84	hours	
3	Terminal A	Drainage -	Tractors/L	Diesel	320.00	LF	8 Hours pe	2.84	hours	
3	Terminal A	Dust Contr	Water Truc	Diesel	180.00	Day	8 Hours pe	1440	hours	
3	Terminal A	Excavatior	Dozer	Diesel	9365.60	CY	8 Hours pe	124.87	hours	
3	Terminal A	Excavatior	Dump Truc	Diesel	9365.60	CY	8 Hours pe	124.87	hours	
3	Terminal A	Excavatior	Pickup Tru	Diesel	9365.60	CY	8 Hours pe	124.87	hours	
3	Terminal A	Excavatior	Roller	Diesel	9365.60	CY	8 Hours pe	57.63	hours	
3	Terminal A	Excavatior	Dozer	Diesel	9365.60	CY	8 Hours pe	93.66	hours	
3	Terminal A	Excavatior	Dump Truc	Diesel	9365.60	CY	8 Hours pe	249.75	hours	
3	Terminal A	Excavatior	Excavator	Diesel	9365.60	CY	8 Hours pe	74.92	hours	
3	Terminal A	Excavatior	Pickup Tru	Diesel	9365.60	CY	8 Hours pe	74.92	hours	
3	Terminal A	Excavatior	Roller	Diesel	9365.60	CY	8 Hours pe	74.92	hours	
3	Terminal A	Excavatior	Scraper	Diesel	9365.60	CY	8 Hours pe	93.66	hours	
3	Terminal A	Excavatior	Dozer	Diesel	22477.50	S	8 Hours pe	35.26	hours	
3	Terminal A	Fencing	Concrete T	Diesel	150.00	LF	2 Hours pe	1.67	hours	
3	Terminal A	Fencing	Dump Truc	Diesel	150.00	LF	8 Hours pe	6.67	hours	
3	Terminal A	Fencing	Other Gen	Diesel	150.00	LF	8 Hours pe	6.67	hours	
3	Terminal A	Fencing	Pickup Tru	Diesel	150.00	LF	8 Hours pe	6.67	hours	
3	Terminal A	Fencing	Skid Steer	Diesel	150.00	LF	8 Hours pe	6.67	hours	
3	Terminal A	Fencing	Tractors/L	Diesel	150.00	LF	8 Hours pe	6.67	hours	
3	Terminal A	Grading	Dozer	Diesel	24153.60	S	8 Hours pe	24.15	hours	
3	Terminal A	Grading	Grader	Diesel	24153.60	S	8 Hours pe	24.15	hours	
3	Terminal A	Grading	Roller	Diesel	24153.60	S	8 Hours pe	24.15	hours	
3	Terminal A	Hydroseec	Hydroseed	Diesel	217600.00	8 Hours pe		21.76	hours	
3	Terminal A	Hydroseec	Off-Road T	Diesel	217600.00	8 Hours pe		21.76	hours	
3	Terminal A	Lighting	Dump Truc	Diesel	3000.00	LF	8 Hours pe	20	hours	
3	Terminal A	Lighting	Loader	Diesel	3000.00	LF	8 Hours pe	20	hours	
3	Terminal A	Lighting	Other Gen	Diesel	3000.00	LF	8 Hours pe	20	hours	
3	Terminal A	Lighting	Pickup Tru	Diesel	3000.00	LF	8 Hours pe	20	hours	
3	Terminal A	Lighting	Skid Steer	Diesel	3000.00	LF	8 Hours pe	20	hours	
3	Terminal A	Lighting	Tractors/L	Diesel	3000.00	LF	8 Hours pe	20	hours	
3	Terminal A	Markings	Flatbed Tr	Diesel	202500.00	8 Hours pe		462.86	hours	
3	Terminal A	Markings	Other Gen	Diesel	202500.00	8 Hours pe		462.86	hours	
3	Terminal A	Markings	Pickup Tru	Diesel	202500.00	8 Hours pe		462.86	hours	
3	Terminal A	Sealing/Fu	Distributin	Diesel	22477.50	S	8 Hours pe	59.94	hours	
3	Terminal A	Sealing/Fu	Other Gen	Diesel	22477.50	S	8 Hours pe	59.94	hours	
3	Terminal A	Sealing/Fu	Pickup Tru	Diesel	22477.50	S	8 Hours pe	59.94	hours	
3	Terminal A	Soil Erosio	Other Gen	Diesel	5.00	Acre	4 Hours pe	20	hours	
3	Terminal A	Soil Erosio	Pickup Tru	Diesel	5.00	Acre	8 Hours pe	40	hours	
3	Terminal A	Soil Erosio	Pumps	Diesel	5.00	Acre	4 Hours pe	20	hours	
3	Terminal A	Soil Erosio	Tractors/L	Diesel	5.00	Acre	4 Hours pe	20	hours	
3	Terminal A	Subbase P	Dozer	Diesel	22477.50	S	8 Hours pe	47.32	hours	
3	Terminal A	Subbase P	Dump Truc	Diesel	7492.50	CY	8 Hours pe	333	hours	
3	Terminal A	Subbase P	Pickup Tru	Diesel	22477.50	S	8 Hours pe	47.32	hours	
3	Terminal A	Subbase P	Roller	Diesel	7492.50	CY	8 Hours pe	46.11	hours	
3	Terminal A	Topsoil Pla	Dozer	Diesel	4025.60	CY	8 Hours pe	53.67	hours	

3	Terminal A	Topsoil Pl	Dump Tru	Diesel	4025.60	Cl	8 Hours pe	53.67	hours	
3	Terminal A	Topsoil Pl	Pickup Tru	Diesel	4025.60	Cl	8 Hours pe	53.67	hours	
4	Access Ro	Asphalt Pl	Asphalt Pa	Diesel	3996.00	Sh	8 Hours pe	5	hours	
4	Access Ro	Asphalt Pl	Dump Tru	Diesel	3996.00	Sh	8 Hours pe	17.99	hours	
4	Access Ro	Asphalt Pl	Other Gen	Diesel	3996.00	Sh	16 Hours p	9.99	hours	
4	Access Ro	Asphalt Pl	Pickup Tru	Diesel	3996.00	Sh	8 Hours pe	5	hours	
4	Access Ro	Asphalt Pl	Roller	Diesel	3996.00	Sh	8 Hours pe	5	hours	
4	Access Ro	Asphalt Pl	Skid Steer	Diesel	3996.00	Sh	8 Hours pe	5	hours	
4	Access Ro	Asphalt Pl	Surfacing E	Diesel	3996.00	Sh	8 Hours pe	6.39	hours	
4	Access Ro	Clearing a	Chain Saw	Diesel	1.20	Acre	12 Hours p	14.4	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Access Ro	Clearing a	Chipper/St	Diesel	1.20	Acre	12 Hours p	14.4	hours	
4	Access Ro	Clearing a	Pickup Tru	Diesel	1.20	Acre	16 Hours p	19.2	hours	
4	Access Ro	Concrete F	Air Compr	Diesel	1665.00	Cl	8 Hours pe	13.32	hours	
4	Access Ro	Concrete F	Concrete S	Diesel	1665.00	Cl	8 Hours pe	13.32	hours	
4	Access Ro	Concrete F	Concrete T	Diesel	1665.00	Cl	8 Hours pe	55.5	hours	
4	Access Ro	Concrete F	Other Gen	Diesel	1665.00	Cl	16 Hours p	26.64	hours	
4	Access Ro	Concrete F	Pickup Tru	Diesel	1665.00	Cl	24 Hours p	39.96	hours	
4	Access Ro	Concrete F	Rubber Tir	Diesel	1665.00	Cl	8 Hours pe	13.32	hours	
4	Access Ro	Concrete F	Slip Form I	Diesel	1665.00	Cl	8 Hours pe	13.32	hours	
4	Access Ro	Concrete F	Surfacing E	Diesel	1665.00	Cl	8 Hours pe	13.32	hours	
4	Access Ro	Curbing	Concrete T	Diesel	3000.00	LF	8 Hours pe	60	hours	
4	Access Ro	Curbing	Curb/Gutt	Diesel	3000.00	LF	8 Hours pe	60	hours	
4	Access Ro	Curbing	Other Gen	Diesel	3000.00	LF	8 Hours pe	60	hours	
4	Access Ro	Curbing	Pickup Tru	Diesel	3000.00	LF	8 Hours pe	60	hours	
4	Access Ro	Drainage -	Dozer	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
4	Access Ro	Drainage -	Dump Tru	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
4	Access Ro	Drainage -	Excavator	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
4	Access Ro	Drainage -	Loader	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
4	Access Ro	Drainage -	Other Gen	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
4	Access Ro	Drainage -	Pickup Tru	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
4	Access Ro	Drainage -	Roller	Diesel	1510.00	LF	8 Hours pe	48.32	hours	
4	Access Ro	Drainage -	Dump Tru	Diesel	3020.00	LF	8 Hours pe	26.84	hours	
4	Access Ro	Drainage -	Loader	Diesel	3020.00	LF	8 Hours pe	26.84	hours	
4	Access Ro	Drainage -	Other Gen	Diesel	3020.00	LF	8 Hours pe	26.84	hours	
4	Access Ro	Drainage -	Pickup Tru	Diesel	3020.00	LF	8 Hours pe	26.84	hours	
4	Access Ro	Drainage -	Tractors/Lo	Diesel	3020.00	LF	8 Hours pe	26.84	hours	
4	Access Ro	Dust Contr	Water Tru	Diesel	180.00	Day	8 Hours pe	1440	hours	
4	Access Ro	Excavatior	Dozer	Diesel	1665.00	Cl	8 Hours pe	22.2	hours	
4	Access Ro	Excavatior	Dump Tru	Diesel	1665.00	Cl	8 Hours pe	22.2	hours	
4	Access Ro	Excavatior	Pickup Tru	Diesel	1665.00	Cl	8 Hours pe	22.2	hours	
4	Access Ro	Excavatior	Roller	Diesel	1665.00	Cl	8 Hours pe	10.25	hours	
4	Access Ro	Excavatior	Dozer	Diesel	1665.00	Cl	8 Hours pe	16.65	hours	
4	Access Ro	Excavatior	Dump Tru	Diesel	1665.00	Cl	8 Hours pe	44.4	hours	
4	Access Ro	Excavatior	Excavator	Diesel	1665.00	Cl	8 Hours pe	13.32	hours	
4	Access Ro	Excavatior	Pickup Tru	Diesel	1665.00	Cl	8 Hours pe	13.32	hours	
4	Access Ro	Excavatior	Roller	Diesel	1665.00	Cl	8 Hours pe	13.32	hours	
4	Access Ro	Excavatior	Scraper	Diesel	1665.00	Cl	8 Hours pe	16.65	hours	
4	Access Ro	Excavatior	Dozer	Diesel	3996.00	Sh	8 Hours pe	6.27	hours	
4	Access Ro	Fencing	Concrete T	Diesel	1500.00	LF	2 Hours pe	16.67	hours	
4	Access Ro	Fencing	Dump Tru	Diesel	1500.00	LF	8 Hours pe	66.67	hours	
4	Access Ro	Fencing	Other Gen	Diesel	1500.00	LF	8 Hours pe	66.67	hours	
4	Access Ro	Fencing	Pickup Tru	Diesel	1500.00	LF	8 Hours pe	66.67	hours	
4	Access Ro	Fencing	Skid Steer	Diesel	1500.00	LF	8 Hours pe	66.67	hours	
4	Access Ro	Fencing	Tractors/Lo	Diesel	1500.00	LF	8 Hours pe	66.67	hours	
4	Access Ro	Grading	Dozer	Diesel	5698.70	Sh	8 Hours pe	5.7	hours	
4	Access Ro	Grading	Grader	Diesel	5698.70	Sh	8 Hours pe	5.7	hours	
4	Access Ro	Grading	Roller	Diesel	5698.70	Sh	8 Hours pe	5.7	hours	
4	Access Ro	Hydroseec	Hydroseed	Diesel	51340.00	S	8 Hours pe	5.13	hours	
4	Access Ro	Hydroseec	Off-Road T	Diesel	51340.00	S	8 Hours pe	5.13	hours	
4	Access Ro	Markings	Flatbed Tr	Diesel	36000.00	S	8 Hours pe	82.29	hours	
4	Access Ro	Markings	Other Gen	Diesel	36000.00	S	8 Hours pe	82.29	hours	
4	Access Ro	Markings	Pickup Tru	Diesel	36000.00	S	8 Hours pe	82.29	hours	
4	Access Ro	Sidewalks	Concrete T	Diesel	9000.00	SF	8 Hours pe	120	hours	
4	Access Ro	Sidewalks	Dump Tru	Diesel	9000.00	SF	8 Hours pe	120	hours	
4	Access Ro	Sidewalks	Pickup Tru	Diesel	9000.00	SF	8 Hours pe	120	hours	
4	Access Ro	Sidewalks	Tractors/Lo	Diesel	9000.00	SF	8 Hours pe	120	hours	
4	Access Ro	Sidewalks	Vibratory (	Diesel	9000.00	SF	8 Hours pe	120	hours	
4	Access Ro	Soil Erosio	Other Gen	Diesel	1.20	Acre	4 Hours pe	4.8	hours	
4	Access Ro	Soil Erosio	Pickup Tru	Diesel	1.20	Acre	8 Hours pe	9.6	hours	
4	Access Ro	Soil Erosio	Pumps	Diesel	1.20	Acre	4 Hours pe	4.8	hours	
4	Access Ro	Soil Erosio	Tractors/Lo	Diesel	1.20	Acre	4 Hours pe	4.8	hours	
4	Access Ro	Street Ligh	Dump Tru	Diesel	15.00	Light	8 Hours pe	40	hours	
4	Access Ro	Street Ligh	Loader	Diesel	15.00	Light	8 Hours pe	40	hours	
4	Access Ro	Street Ligh	Other Gen	Diesel	15.00	Light	8 Hours pe	40	hours	
4	Access Ro	Street Ligh	Pickup Tru	Diesel	15.00	Light	8 Hours pe	40	hours	
4	Access Ro	Street Ligh	Skid Steer	Diesel	15.00	Light	8 Hours pe	40	hours	
4	Access Ro	Street Ligh	Tractors/Lo	Diesel	15.00	Light	8 Hours pe	40	hours	
4	Access Ro	Subbase P	Dozer	Diesel	3996.00	Sh	8 Hours pe	8.41	hours	
4	Access Ro	Subbase P	Dump Tru	Diesel	1332.00	Cl	8 Hours pe	59.2	hours	
4	Access Ro	Subbase P	Pickup Tru	Diesel	3996.00	Sh	8 Hours pe	8.41	hours	
4	Access Ro	Subbase P	Roller	Diesel	1332.00	Cl	8 Hours pe	8.2	hours	
4	Access Ro	Topsoil Pl	Dozer	Diesel	949.80	CY	8 Hours pe	12.66	hours	
4	Access Ro	Topsoil Pl	Dump Tru	Diesel	949.80	CY	8 Hours pe	12.66	hours	
4	Access Ro	Topsoil Pl	Pickup Tru	Diesel	949.80	CY	8 Hours pe	12.66	hours	
4	Access Ro	Tree Plant	Flatbed Tr	Diesel	0.00	Trees	8 Hours pe	0	hours	
4	Access Ro	Tree Plant	Other Gen	Diesel	0.00	Trees	8 Hours pe	0	hours	
4	Access Ro	Tree Plant	Pickup Tru	Diesel	0.00	Trees	8 Hours pe	0	hours	
4	Access Ro	Tree Plant	Tractors/Lo	Diesel	0.00	Trees	8 Hours pe	0	hours	
4	Building - :	Concrete F	Backhoe	Diesel	100000.00	0.0048	Ho	480	hours	
4	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0018	Ho	180	hours	
4	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0036	Ho	360	hours	
4	Building - :	Concrete F	Excavator	Diesel	100000.00	0.0016	Ho	160	hours	
4	Building - :	Concrete F	Fork Truck	Diesel	100000.00	0.0048	Ho	480	hours	
4	Building - :	Concrete F	Tool Truck	Diesel	100000.00	0.0012	Ho	120	hours	
4	Building - :	Concrete F	Tractor Tra	Diesel	100000.00	0.0024	Ho	240	hours	
4	Building - :	Constructi	Survey Cre	Diesel	100000.00	0.0001	Ho	10	hours	
4	Building - :	Constructi	Tractor Tra	Diesel	100000.00	0.00004	Ho	4	hours	
4	Building - :	Exterior W	Fork Truck	Diesel	100000.00	0.0084	Ho	840	hours	
4	Building - :	Exterior W	Generator	Diesel	100000.00	0.0008	Ho	80	hours	
4	Building - :	Exterior W	Grout Mix	Diesel	100000.00	0.0042	Ho	420	hours	
4	Building - :	Exterior W	Grout Wh	Diesel	100000.00	0.0016	Ho	160	hours	
4	Building - :	Exterior W	Man Lift	Diesel	100000.00	0.0168	Ho	1680	hours	
4	Building - :	Exterior W	Tool Truck	Diesel	100000.00	0.0042	Ho	420	hours	
4	Building - :	Exterior W	Tractor Tra	Diesel	100000.00	0.0084	Ho	840	hours	
4	Building - :	Exterior W	Truck Tow	Diesel	100000.00	0.0008	Ho	80	hours	
4	Building - :	Interior Bu	Fork Truck	Diesel	100000.00	0.016	Hou	1600	hours	
4	Building - :	Interior Bu	Man Lift	Diesel	100000.00	0.032	Hou	3200	hours	
4	Building - :	Interior Bu	Tool Truck	Diesel	100000.00	0.016	Hou	1600	hours	
4	Building - :	Interior Bu	Tractor Tra	Diesel	100000.00	0.016	Hou	1600	hours	
4	Building - :	Roofing	High Lift	Diesel	100000.00	0.0016	Ho	160	hours	
4	Building - :	Roofing	Man Lift	Diesel	100000.00	0.0004	Ho	40	hours	
4	Building - :	Roofing	Material D	Diesel	100000.00	0.0006	Ho	60	hours	
4	Building - :	Roofing	Tractor Tra	Diesel	100000.00	0.0004	Ho	40	hours	
4	Building - :	Roofing	Truck Tow	Diesel	100000.00	0.0012	Ho	120	hours	
4	Building - :	Security &	High Lift	Diesel	100000.00	0.008	Hou	800	hours	
4	Building - :	Security &	Tool Truck	Diesel	100000.00	0.008	Hou	800	hours	
4	Building - :	Structural	90 Ton Cra	Diesel	100000.00	0.0024	Ho	240	hours	
4	Building - :	Structural	Concrete F	Diesel	100000.00	0.0006	Ho	60	hours	
4	Building - :	Structural	Concrete T	Diesel	100000.00	0.0006	Ho	60	hours	
4	Building - :	Structural	Fork Truck	Diesel	100000.00	0.0064	Ho	640	hours	
4	Building - :	Structural	Tool Truck	Diesel	100000.00	0.0016	Ho	160	hours	
4	Building - :	Structural	Tractor Tra	Diesel	100000.00	0.0036	Ho	360	hours	
4	Building - :	Structural	Trowel Ma	Diesel	100000.00	0.0004	Ho	40	hours	
4	Building - :	Structural	Truck Tow	Diesel	100000.00	0.0072	Ho	720	hours	
4	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	22477.50	S	8 Hours pe	28.1	hours	
4	Terminal A	Asphalt Pl	Dump Tru	Diesel	22477.50	S	8 Hours pe	101.19	hours	
4	Terminal A	Asphalt Pl	Other Gen	Diesel	22477.50	S	16 Hours p	56.19	hours	
4	Terminal A	Asphalt Pl	Pickup Tru	Diesel	22477.50	S	8 Hours pe	28.1	hours	
4	Terminal A	Asphalt Pl	Roller	Diesel	22477.50	S	8 Hours pe	28.1	hours	
4	Terminal A	Asphalt Pl	Skid Steer	Diesel	22477.50	S	8 Hours pe	28.1	hours	
4	Terminal A	Asphalt Pl	Surfacing E	Diesel	22477.50	S	8 Hours pe	35.96	hours	
4	Terminal A	Clearing a	Chain Saw	Diesel	5.00	Acre	12 Hours p	60	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Terminal A	Clearing a	Chipper/St	Diesel	5.00	Acre	12 Hours p	60	hours	
4	Terminal A	Clearing a	Pickup Tru	Diesel	5.00	Acre	16 Hours p	80	hours	
4	Terminal A	Concrete F	Air Compr	Diesel	9365.60	Cl	8 Hours pe	74.92	hours	
4	Terminal A	Concrete F	Concrete S	Diesel	9365.60	Cl	8 Hours pe	74.92	hours	
4	Terminal A	Concrete F	Concrete T	Diesel	9365.60	Cl	8 Hours pe	312.19	hours	
4	Terminal A	Concrete F	Other Gen	Diesel	9365.60	Cl	16 Hours p	149.85	hours	
4	Terminal A	Concrete F	Pickup Tru	Diesel	9365.60	Cl	24 Hours p	224.77	hours	
4	Terminal A	Concrete F	Rubber Tir	Diesel	9365.60	Cl	8 Hours pe	74.92	hours	
4	Terminal A	Concrete F	Slip Form I	Diesel	9365.60	Cl	8 Hours pe	74.92	hours	
4	Terminal A	Concrete F	Surfacing E	Diesel	9365.60	Cl	8 Hours pe	74.92	hours	

4	Terminal A	Drainage -	Dozer	Diesel	160.00 LF	8 Hours pe	5.12	hours
4	Terminal A	Drainage -	Dump Truc	Diesel	160.00 LF	8 Hours pe	5.12	hours
4	Terminal A	Drainage -	Excavator	Diesel	160.00 LF	8 Hours pe	5.12	hours
4	Terminal A	Drainage -	Loader	Diesel	160.00 LF	8 Hours pe	5.12	hours
4	Terminal A	Drainage -	Other Gen	Diesel	160.00 LF	8 Hours pe	5.12	hours
4	Terminal A	Drainage -	Pickup Tru	Diesel	160.00 LF	8 Hours pe	5.12	hours
4	Terminal A	Drainage -	Roller	Diesel	160.00 LF	8 Hours pe	5.12	hours
4	Terminal A	Drainage -	Dump Truc	Diesel	320.00 LF	8 Hours pe	2.84	hours
4	Terminal A	Drainage -	Loader	Diesel	320.00 LF	8 Hours pe	2.84	hours
4	Terminal A	Drainage -	Other Gen	Diesel	320.00 LF	8 Hours pe	2.84	hours
4	Terminal A	Drainage -	Pickup Tru	Diesel	320.00 LF	8 Hours pe	2.84	hours
4	Terminal A	Drainage -	Tractors/Lo	Diesel	320.00 LF	8 Hours pe	2.84	hours
4	Terminal A	Dust Contr	Water Truc	Diesel	180.00 Day	8 Hours pe	1440	hours
4	Terminal A	Excavatior	Dozer	Diesel	9365.60 Cy	8 Hours pe	124.87	hours
4	Terminal A	Excavatior	Dump Truc	Diesel	9365.60 Cy	8 Hours pe	124.87	hours
4	Terminal A	Excavatior	Pickup Tru	Diesel	9365.60 Cy	8 Hours pe	124.87	hours
4	Terminal A	Excavatior	Roller	Diesel	9365.60 Cy	8 Hours pe	57.63	hours
4	Terminal A	Excavatior	Dozer	Diesel	9365.60 Cy	8 Hours pe	93.66	hours
4	Terminal A	Excavatior	Dump Truc	Diesel	9365.60 Cy	8 Hours pe	249.75	hours
4	Terminal A	Excavatior	Excavator	Diesel	9365.60 Cy	8 Hours pe	74.92	hours
4	Terminal A	Excavatior	Pickup Tru	Diesel	9365.60 Cy	8 Hours pe	74.92	hours
4	Terminal A	Excavatior	Roller	Diesel	9365.60 Cy	8 Hours pe	74.92	hours
4	Terminal A	Excavatior	Scraper	Diesel	9365.60 Cy	8 Hours pe	93.66	hours
4	Terminal A	Excavatior	Dozer	Diesel	22477.50 S	8 Hours pe	35.26	hours
4	Terminal A	Fencing	Concrete T	Diesel	150.00 LF	2 Hours pe	1.67	hours
4	Terminal A	Fencing	Dump Truc	Diesel	150.00 LF	8 Hours pe	6.67	hours
4	Terminal A	Fencing	Other Gen	Diesel	150.00 LF	8 Hours pe	6.67	hours
4	Terminal A	Fencing	Pickup Tru	Diesel	150.00 LF	8 Hours pe	6.67	hours
4	Terminal A	Fencing	Skid Steer	Diesel	150.00 LF	8 Hours pe	6.67	hours
4	Terminal A	Fencing	Tractors/Lo	Diesel	150.00 LF	8 Hours pe	6.67	hours
4	Terminal A	Grading	Dozer	Diesel	24153.60 S	8 Hours pe	24.15	hours
4	Terminal A	Grading	Grader	Diesel	24153.60 S	8 Hours pe	24.15	hours
4	Terminal A	Grading	Roller	Diesel	24153.60 S	8 Hours pe	24.15	hours
4	Terminal A	Hydroseed	Hydroseed	Diesel	217600.00	8 Hours pe	21.76	hours
4	Terminal A	Hydroseed	Off-Road T	Diesel	217600.00	8 Hours pe	21.76	hours
4	Terminal A	Lighting	Dump Truc	Diesel	3000.00 LF	8 Hours pe	20	hours
4	Terminal A	Lighting	Loader	Diesel	3000.00 LF	8 Hours pe	20	hours
4	Terminal A	Lighting	Other Gen	Diesel	3000.00 LF	8 Hours pe	20	hours
4	Terminal A	Lighting	Pickup Tru	Diesel	3000.00 LF	8 Hours pe	20	hours
4	Terminal A	Lighting	Skid Steer	Diesel	3000.00 LF	8 Hours pe	20	hours
4	Terminal A	Lighting	Tractors/Lo	Diesel	3000.00 LF	8 Hours pe	20	hours
4	Terminal A	Markings	Flatbed Tri	Diesel	202500.00	8 Hours pe	462.86	hours
4	Terminal A	Markings	Other Gen	Diesel	202500.00	8 Hours pe	462.86	hours
4	Terminal A	Markings	Pickup Tru	Diesel	202500.00	8 Hours pe	462.86	hours
4	Terminal A	Sealing/Fu	Distributin	Diesel	22477.50 S	8 Hours pe	59.94	hours
4	Terminal A	Sealing/Fu	Other Gen	Diesel	22477.50 S	8 Hours pe	59.94	hours
4	Terminal A	Sealing/Fu	Pickup Tru	Diesel	22477.50 S	8 Hours pe	59.94	hours
4	Terminal A	Soil Erosio	Other Gen	Diesel	5.00 Acre	4 Hours pe	20	hours
4	Terminal A	Soil Erosio	Pickup Tru	Diesel	5.00 Acre	8 Hours pe	40	hours
4	Terminal A	Soil Erosio	Pumps	Diesel	5.00 Acre	4 Hours pe	20	hours
4	Terminal A	Soil Erosio	Tractors/Lo	Diesel	5.00 Acre	4 Hours pe	20	hours
4	Terminal A	Subbase P	Dozer	Diesel	22477.50 S	8 Hours pe	47.32	hours
4	Terminal A	Subbase P	Dump Truc	Diesel	7492.50 Cy	8 Hours pe	333	hours
4	Terminal A	Subbase P	Pickup Tru	Diesel	22477.50 S	8 Hours pe	47.32	hours
4	Terminal A	Subbase P	Roller	Diesel	7492.50 Cy	8 Hours pe	46.11	hours
4	Terminal A	Topsoil Pla	Dozer	Diesel	4025.60 Cy	8 Hours pe	53.67	hours
4	Terminal A	Topsoil Pla	Dump Truc	Diesel	4025.60 Cy	8 Hours pe	53.67	hours
4	Terminal A	Topsoil Pla	Pickup Tru	Diesel	4025.60 Cy	8 Hours pe	53.67	hours

Activity: On-Road (Estimated based on engineering experience)

Scenario ID	Project	Equipmen	On-road Av	Fuel	Roadway T	Round Trip	Number of	Number of	Project Ler	Project Wi	Project Are	Building H	Open Spac	Number of	Activity Siz	Activity Ra	Default VM	User VMT
1	Building - :	Cement M	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--	23125	
1	Building - :	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--	12333	
1	Building - :	Passenger	Employee	Gasoline	Urban Unr	30	114.73	129	--	--	--	--	--	--	--	--	444005	
1	Building - :	Tractor Tr	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	0.0024	2400	
1	Parking Lo	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	1200	197.5	--	--	--	--	--	--	3439	
1	Parking Lo	Cement M	Material D	Diesel	Urban Unr	40	--	129	1200	197.5	--	--	--	--	--	--	54806	
1	Parking Lo	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1200	197.5	--	--	--	--	--	--	4872	
1	Parking Lo	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1200	197.5	--	--	--	--	--	--	29230	
1	Parking Lo	Passenger	Employee	Gasoline	Urban Unr	30	77	129	--	--	--	--	--	--	--	--	297990	
1	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	2938	
1	Terminal A	Cement M	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	46828	
1	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	4163	
1	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	24975	
1	Terminal A	Passenger	Employee	Gasoline	Urban Unr	30	76	129	--	--	--	--	--	--	--	--	294120	
2	Building - :	Cement M	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--	23125	
2	Building - :	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--	12333	
2	Building - :	Passenger	Employee	Gasoline	Urban Unr	30	114.73	129	--	--	--	--	--	--	--	--	444005	
2	Building - :	Tractor Tr	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	0.0024	2400	
2	Parking Lo	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	1200	197.5	--	--	--	--	--	--	3439	
2	Parking Lo	Cement M	Material D	Diesel	Urban Unr	40	--	129	1200	197.5	--	--	--	--	--	--	54806	
2	Parking Lo	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1200	197.5	--	--	--	--	--	--	4872	
2	Parking Lo	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1200	197.5	--	--	--	--	--	--	29230	
2	Parking Lo	Passenger	Employee	Gasoline	Urban Unr	30	85	129	--	--	--	--	--	--	--	--	328950	
2	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	2938	
2	Terminal A	Cement M	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	46828	
2	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	4163	
2	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	24975	
2	Terminal A	Passenger	Employee	Gasoline	Urban Unr	30	76	129	--	--	--	--	--	--	--	--	294120	
3	Access Roa	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	1500	24	--	--	--	--	--	--	522	
3	Access Roa	Cement M	Material D	Diesel	Urban Unr	40	--	129	1500	24	--	--	--	--	--	--	8325	
3	Access Roa	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1500	24	--	--	--	--	--	--	740	
3	Access Roa	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1500	24	--	--	--	--	--	--	4440	
3	Access Roa	Passenger	Employee	Gasoline	Urban Unr	30	86	129	--	--	--	--	--	--	--	--	332820	
3	Building - :	Cement M	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--	23125	
3	Building - :	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--	12333	
3	Building - :	Passenger	Employee	Gasoline	Urban Unr	30	114.73	129	--	--	--	--	--	--	--	--	444005	
3	Building - :	Tractor Tr	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	0.0024	2400	
3	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	2938	
3	Terminal A	Cement M	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	46828	
3	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	4163	
3	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	24975	
3	Terminal A	Passenger	Employee	Gasoline	Urban Unr	30	76	129	--	--	--	--	--	--	--	--	294120	
4	Access Roa	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	1500	24	--	--	--	--	--	--	522	
4	Access Roa	Cement M	Material D	Diesel	Urban Unr	40	--	129	1500	24	--	--	--	--	--	--	8325	
4	Access Roa	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1500	24	--	--	--	--	--	--	740	
4	Access Roa	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1500	24	--	--	--	--	--	--	4440	
4	Access Roa	Passenger	Employee	Gasoline	Urban Unr	30	86	129	--	--	--	--	--	--	--	--	332820	
4	Building - :	Cement M	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--	23125	
4	Building - :	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--	12333	
4	Building - :	Passenger	Employee	Gasoline	Urban Unr	30	114.73	129	--	--	--	--	--	--	--	--	444005	
4	Building - :	Tractor Tr	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	0.0024	2400	
4	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	2938	
4	Terminal A	Cement M	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	46828	
4	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	4163	
4	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	150	1350	--	--	--	--	--	--	24975	
4	Terminal A	Passenger	Employee	Gasoline	Urban Unr	30	76	129	--	--	--	--	--	--	--	--	294120	

Emission Factor: Non-Road (from NONROAD)

Scenario ID	Project	Constructi	Equipment	Fuel Type	Avg Rated	Load Factc	CO (g/hp-h	NOx (g/hp	CO2 (g/hp	SO2 (g/hp	PM10 (g/h	PM2.5 (g/h	VOC Exhau	VOC Evaporative (g/equipment-day)
1	Building - :	Concrete F	Backhoe	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559
1	Building - :	Concrete F	Concrete F	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.016317
1	Building - :	Concrete F	Concrete F	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382
1	Building - :	Concrete F	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.12808
1	Building - :	Concrete F	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578
1	Building - :	Concrete F	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382
1	Building - :	Concrete F	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382
1	Building - :	Constructi	Survey Cre	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382
1	Building - :	Constructi	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382
1	Building - :	Exterior W	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578
1	Building - :	Exterior W	Generator	Diesel	40	0.43	1.287109	4.156952	589.3386	0.003484	0.248591	0.228704	0.340077	0.055245
1	Building - :	Exterior W	Grout Mixe	Diesel	600	0.59	1.076989	2.518518	536.2292	0.003119	0.153491	0.141211	0.198485	0.96399
1	Building - :	Exterior W	Grout Whe	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382
1	Building - :	Exterior W	Man Lift	Diesel	75	0.21	4.21327	4.917513	693.4285	0.004244	0.583163	0.53651	0.848391	0.167227
1	Building - :	Exterior W	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382
1	Building - :	Exterior W	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382
1	Building - :	Exterior W	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5504	0.002829	0.055159	0.050746	0.162484	0.283159
1	Building - :	Interior Bu	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578

1	Building - :	Interior Bu	Man Lift	Diesel	75	0.21	4.21327	4.917513	693.4285	0.004244	0.583163	0.53651	0.848391	0.167227		
1	Building - :	Interior Bu	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Building - :	Interior Bu	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Building - :	Roofing	High Lift	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578		
1	Building - :	Roofing	Man Lift	Diesel	75	0.21	4.21327	4.917513	693.4285	0.004244	0.583163	0.53651	0.848391	0.167227		
1	Building - :	Roofing	Material D	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Building - :	Roofing	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Building - :	Roofing	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5504	0.002829	0.055159	0.050746	0.162484	0.283159		
1	Building - :	Security &	High Lift	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578		
1	Building - :	Security &	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Building - :	Structural	90 Ton Cra	Diesel	300	0.43	0.278811	1.263221	530.5504	0.002829	0.055159	0.050746	0.162484	0.283159		
1	Building - :	Structural	Concrete F	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.016317		
1	Building - :	Structural	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Building - :	Structural	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578		
1	Building - :	Structural	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Building - :	Structural	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Building - :	Structural	Trowel Ma	Diesel	600	0.59	1.076989	2.518518	536.2292	0.003119	0.153491	0.141211	0.198485	0.96399		
1	Building - :	Structural	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5504	0.002829	0.055159	0.050746	0.162484	0.283159		
1	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.194163		
1	Parking Lo	Asphalt Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Asphalt Pl	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Asphalt Pl	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338		
1	Parking Lo	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747		
1	Parking Lo	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.004463		
1	Parking Lo	Clearing ar	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9963	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
1	Parking Lo	Clearing ar	Chipper/St	Diesel	100	0.43	1.813608	3.239502	589.2408	0.003513	0.318043	0.2926	0.372367	0.071326		
1	Parking Lo	Clearing ar	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Curbing	Curb/Gutt	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.194163		
1	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693		
1	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.12808		
1	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707		
1	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Drainage -	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338		
1	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707		
1	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Drainage -	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559		
1	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693		
1	Parking Lo	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338		
1	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693		
1	Parking Lo	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Excavatior	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.12808		
1	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338		
1	Parking Lo	Excavatior	Scraper	Diesel	600	0.59	0.625127	1.537038	536.3531	0.002939	0.09397	0.086452	0.157595	0.700528		
1	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693		
1	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Fencing	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747		
1	Parking Lo	Fencing	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559		
1	Parking Lo	Grading	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693		
1	Parking Lo	Grading	Grader	Diesel	300	0.59	0.277031	0.879729	536.3751	0.002726	0.045102	0.041494	0.150319	0.181829		
1	Parking Lo	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338		
1	Parking Lo	Hydroseec	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Hydroseec	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Markings	Flatbed Tri	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Markings	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Sidewalks	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Sidewalks	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559		
1	Parking Lo	Sidewalks	Vibratory (	Diesel	6	0.43	4.454263	4.474393	588.4964	0.003967	0.399923	0.367929	0.618084	0.005718		
1	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.016317		
1	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559		
1	Parking Lo	Street Ligh	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707		
1	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747		
1	Parking Lo	Street Ligh	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559		
1	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693		
1	Parking Lo	Subbase P	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Subbase P	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338		
1	Parking Lo	Topsoil Pl	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693		
1	Parking Lo	Topsoil Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Tree Plant	Flatbed Tri	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Tree Plant	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Parking Lo	Tree Plant	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Parking Lo	Tree Plant	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559		
1	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.194163		
1	Terminal A	Asphalt Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Asphalt Pl	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Terminal A	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Asphalt Pl	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338		
1	Terminal A	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747		
1	Terminal A	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.004463		
1	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9963	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
1	Terminal A	Clearing ar	Chipper/St	Diesel	100	0.43	1.813608	3.239502	589.2408	0.003513	0.318043	0.2926	0.372367	0.071326		
1	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	1.240752	2.03963	589.6911	0.00331	0.181569	0.167043	0.223713	0.232417		
1	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	0.600487	3.398113	595.6245	0.003128	0.085837	0.07897	0.175701	0.003375		
1	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707		
1	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.194163		
1	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.004463		
1	Terminal A	Drainage -	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693		
1	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Drainage -	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.12808		
1	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707		
1	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Drainage -	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338		
1	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707		
1	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559		
1	Terminal A	Dust Cont	Water Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693		
1	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338		
1	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693		
1	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Excavatior	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.12808		
1	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338		
1	Terminal A	Excavatior	Scraper	Diesel	600	0.59	0.625127	1.537038	536.3531	0.002939	0.09397	0.086452	0.157595	0.700528		
1	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693		
1	Terminal A	Fencing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Fencing	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Fencing	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421		
1	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382		
1	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747		

1	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
1	Terminal A	Grading	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
1	Terminal A	Grading	Grader	Diesel	300	0.59	0.277031	0.879729	536.3751	0.002726	0.045102	0.041494	0.150319	0.181829	
1	Terminal A	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
1	Terminal A	Hydroseed	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Hydroseed	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Lighting	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Lighting	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707	
1	Terminal A	Lighting	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747	
1	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
1	Terminal A	Markings	Flatbed Tr	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Markings	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
1	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.016317	
1	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
1	Terminal A	Subbase P	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
1	Terminal A	Subbase P	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Subbase P	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
1	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
1	Terminal A	Topsoil Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
1	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Concrete F	Backhoe	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
2	Building - :	Concrete F	Concrete F	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963	
2	Building - :	Concrete F	Concrete F	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Concrete F	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219	
2	Building - :	Concrete F	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585	
2	Building - :	Concrete F	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Concrete F	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Constructi	Survey Cre	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Constructi	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Exterior W	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585	
2	Building - :	Exterior W	Generator	Diesel	40	0.43	1.287109	4.156952	589.3386	0.003484	0.248591	0.228704	0.340077	0.054044	
2	Building - :	Exterior W	Grout Mixe	Diesel	600	0.59	1.07699	2.518518	536.2292	0.003119	0.153491	0.141211	0.198485	1.39405	
2	Building - :	Exterior W	Grout Whe	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Exterior W	Man Lift	Diesel	75	0.21	4.213269	4.917514	693.4285	0.004244	0.583163	0.53651	0.848391	0.244166	
2	Building - :	Exterior W	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Exterior W	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Exterior W	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5503	0.002829	0.055159	0.050746	0.162484	0.409483	
2	Building - :	Interior Bu	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585	
2	Building - :	Interior Bu	Man Lift	Diesel	75	0.21	4.213269	4.917514	693.4285	0.004244	0.583163	0.53651	0.848391	0.244166	
2	Building - :	Interior Bu	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Interior Bu	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Roofing	High Lift	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585	
2	Building - :	Roofing	Man Lift	Diesel	75	0.21	4.213269	4.917514	693.4285	0.004244	0.583163	0.53651	0.848391	0.244166	
2	Building - :	Roofing	Material D	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Roofing	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Roofing	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5503	0.002829	0.055159	0.050746	0.162484	0.409483	
2	Building - :	Security &	High Lift	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585	
2	Building - :	Security &	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Structural	90 Ton Cra	Diesel	300	0.43	0.278811	1.263221	530.5503	0.002829	0.055159	0.050746	0.162484	0.409483	
2	Building - :	Structural	Concrete F	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963	
2	Building - :	Structural	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Structural	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585	
2	Building - :	Structural	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Structural	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Structural	Trowel Ma	Diesel	600	0.59	1.07699	2.518518	536.2292	0.003119	0.153491	0.141211	0.198485	1.39405	
2	Building - :	Structural	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5503	0.002829	0.055159	0.050746	0.162484	0.409483	
2	Parking Lo	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783	
2	Parking Lo	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Asphalt Pla	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Parking Lo	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Asphalt Pla	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Parking Lo	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269	
2	Parking Lo	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7254	0.004009	0.353033	0.32479	0.472476	0.006455	
2	Parking Lo	Clearing ar	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9963	0.140192	9.748189	8.968334	61.88836	26.30746	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	Parking Lo	Clearing ar	Chipper/St	Diesel	100	0.43	1.813608	3.239501	589.2408	0.003513	0.318043	0.2926	0.372367	0.582629	
2	Parking Lo	Clearing ar	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Concrete F	Air Compre	Diesel	100	0.43	1.240752	2.03963	589.6911	0.00331	0.181569	0.167043	0.223713	0.227364	
2	Parking Lo	Concrete F	Concrete S	Diesel	40	0.59	0.600487	3.398114	595.6245	0.003128	0.085837	0.07897	0.175701	0.00488	
2	Parking Lo	Concrete F	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Concrete F	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Parking Lo	Concrete F	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Concrete F	Rubber Tir	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
2	Parking Lo	Concrete F	Slip Form I	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783	
2	Parking Lo	Concrete F	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7254	0.004009	0.353033	0.32479	0.472476	0.006455	
2	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Curbing	Curb/Gutte	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783	
2	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219	
2	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
2	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Drainage -	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
2	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Drainage -	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
2	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Parking Lo	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Parking Lo	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Excavatior	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219	
2	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Parking Lo	Excavatior	Scraper	Diesel	600	0.59	0.625128	1.537038	536.3531	0.002939	0.09397	0.086452	0.157595	1.01305	
2	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Fencing	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269	
2	Parking Lo	Fencing	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
2	Parking Lo	Grading	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Parking Lo	Grading	Grader	Diesel	300	0.59	0.27703	0.87973	536.3751	0.002726	0.045102	0.041494	0.150319	0.262948	
2	Parking Lo	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Parking Lo	Hydroseed	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Hydroseed	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Markings	Flatbed Tr	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Markings	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Sidewalks	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Sidewalks	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
2	Parking Lo	Sidewalks	Vibratory C	Diesel	6	0.43	4.454262	4.474392	588.4963	0.003967	0.399923	0.367929	0.618084	0.008269	
2	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963	
2	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
2	Parking Lo	Street Ligh	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
2	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269	
2	Parking Lo	Street Ligh	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
2	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Parking Lo	Subbase P	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	

2	Parking Lo	Subbase P	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Parking Lo	Topsoil Pl	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Parking Lo	Topsoil Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Tree Plant	Flatbed Tri	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Tree Plant	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Parking Lo	Tree Plant	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Parking Lo	Tree Plant	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
2	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783	
2	Terminal A	Asphalt Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Asphalt Pl	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Terminal A	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Asphalt Pl	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Terminal A	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269	
2	Terminal A	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7254	0.004009	0.353033	0.32479	0.472476	0.006455	
2	Terminal A	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9963	0.140192	9.748189	8.968334	61.88836	26.30746	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	Terminal A	Clearing a	Chipper/St	Diesel	100	0.43	1.813608	3.239501	589.2408	0.003513	0.318043	0.2926	0.372367	0.582629	
2	Terminal A	Clearing a	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	1.240752	2.03963	589.6911	0.00331	0.181569	0.167043	0.223713	0.227364	
2	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	0.600487	3.398114	595.6245	0.003128	0.085837	0.07897	0.175701	0.00488	
2	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
2	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783	
2	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7254	0.004009	0.353033	0.32479	0.472476	0.006455	
2	Terminal A	Drainage -	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Drainage -	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219	
2	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
2	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Drainage -	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
2	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
2	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Excavatior	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219	
2	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Terminal A	Excavatior	Scraper	Diesel	600	0.59	0.625128	1.537038	536.3531	0.002939	0.09397	0.086452	0.157595	1.01305	
2	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Terminal A	Fencing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Fencing	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Fencing	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269	
2	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
2	Terminal A	Grading	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Terminal A	Grading	Grader	Diesel	300	0.59	0.27703	0.87973	536.3751	0.002726	0.045102	0.041494	0.150319	0.262948	
2	Terminal A	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Terminal A	Hydroseed	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Hydroseed	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Lighting	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Lighting	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
2	Terminal A	Lighting	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269	
2	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
2	Terminal A	Markings	Flatbed Tri	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Markings	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
2	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963	
2	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
2	Terminal A	Subbase P	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Terminal A	Subbase P	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Subbase P	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
2	Terminal A	Topsoil Pl	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
2	Terminal A	Topsoil Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Terminal A	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
3	Access Ro	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498	
3	Access Ro	Asphalt Pl	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Asphalt Pl	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379	
3	Access Ro	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Asphalt Pl	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166	
3	Access Ro	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128	
3	Access Ro	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347	
3	Access Ro	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Access Ro	Clearing a	Chipper/St	Diesel	100	0.43	1.6976	3.014011	589.3093	0.003468	0.294053	0.270529	0.349775	0.06497	
3	Access Ro	Clearing a	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.195896	
3	Access Ro	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313193	595.6491	0.003072	0.071525	0.065803	0.167578	0.002531	
3	Access Ro	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379	
3	Access Ro	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348	
3	Access Ro	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498	
3	Access Ro	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347	
3	Access Ro	Curbing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Curbing	Curb/Gutte	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498	
3	Access Ro	Curbing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379	
3	Access Ro	Curbing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129	
3	Access Ro	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915	
3	Access Ro	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348	
3	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379	
3	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166	
3	Access Ro	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348	
3	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379	
3	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001	
3	Access Ro	Dust Contr	Water Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129	
3	Access Ro	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166	
3	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129	
3	Access Ro	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915	
3	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166	
3	Access Ro	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.3629	0.002882	0.080485	0.074046	0.154332	0.584119	
3	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129	
3	Access Ro	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Fencing	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379	
3	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128	
3	Access Ro	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001	
3	Access Ro	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129	
3	Access Ro	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.142081	
3	Access Ro	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166	
3	Access Ro	Hydroseed	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Hydroseed	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	
3	Access Ro	Markings	Flatbed Tri	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112	

3	Access Roa	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Access Roa	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Sidewalks	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Sidewalks	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Sidewalks	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Sidewalks	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
3	Access Roa	Sidewalks	Vibratory (	Diesel	6	0.43	4.454483	4.442997	588.5147	0.003967	0.38997	0.358772	0.61206	0.004647		
3	Access Roa	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Access Roa	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554		
3	Access Roa	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
3	Access Roa	Street Ligh	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Street Ligh	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
3	Access Roa	Street Ligh	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Access Roa	Street Ligh	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Street Ligh	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
3	Access Roa	Street Ligh	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
3	Access Roa	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Access Roa	Subbase P	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Access Roa	Topsoil Pla	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Access Roa	Topsoil Pla	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Tree Plant	Flatbed Tri	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Tree Plant	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Access Roa	Tree Plant	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Access Roa	Tree Plant	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
3	Building - :	Concrete F	Backhoe	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
3	Building - :	Concrete F	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554		
3	Building - :	Concrete F	Concrete F	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Concrete F	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
3	Building - :	Concrete F	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
3	Building - :	Concrete F	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Concrete F	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Constructi	Survey Cre	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Constructi	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Exterior W	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
3	Building - :	Exterior W	Generator	Diesel	40	0.43	1.172554	0.04426	589.4126	0.003426	0.225203	0.207187	0.315664	0.047533		
3	Building - :	Exterior W	Grout Mix	Diesel	600	0.59	0.983412	2.29976	536.2506	0.003073	0.140475	0.129237	0.191425	0.867533		
3	Building - :	Exterior W	Grout Wh	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Exterior W	Man Lift	Diesel	75	0.21	3.948787	4.753796	693.6192	0.004193	0.538329	0.495263	0.785422	0.152536		
3	Building - :	Exterior W	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Exterior W	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Exterior W	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
3	Building - :	Interior Bu	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
3	Building - :	Interior Bu	Man Lift	Diesel	75	0.21	3.948787	4.753796	693.6192	0.004193	0.538329	0.495263	0.785422	0.152536		
3	Building - :	Interior Bu	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Interior Bu	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Roofing	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
3	Building - :	Roofing	Man Lift	Diesel	75	0.21	3.948787	4.753796	693.6192	0.004193	0.538329	0.495263	0.785422	0.152536		
3	Building - :	Roofing	Material D	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Roofing	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Roofing	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
3	Building - :	Security &	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
3	Building - :	Security &	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Structural	90 Ton Cra	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
3	Building - :	Structural	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554		
3	Building - :	Structural	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Structural	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
3	Building - :	Structural	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Structural	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Building - :	Structural	Trowel Ma	Diesel	600	0.59	0.983412	2.29976	536.2506	0.003073	0.140475	0.129237	0.191425	0.867533		
3	Building - :	Structural	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
3	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
3	Terminal A	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
3	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347		
3	Terminal A	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
3	Terminal A	Clearing a	Chipper/St	Diesel	100	0.43	1.6976	3.014011	589.3093	0.003468	0.294053	0.270529	0.349775	0.06497		
3	Terminal A	Clearing a	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.195896		
3	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313193	595.6491	0.003072	0.071525	0.065803	0.167578	0.002531		
3	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
3	Terminal A	Concrete F	Slip Form	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
3	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347		
3	Terminal A	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
3	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
3	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
3	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
3	Terminal A	Dust Contr	Water Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
3	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Terminal A	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.3629	0.002882	0.080485	0.074046	0.154332	0.584119		
3	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Terminal A	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Fencing	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
3	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
3	Terminal A	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Terminal A	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.142081		
3	Terminal A	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Terminal A	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Lighting	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Lighting	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
3	Terminal A	Lighting	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
3	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
3	Terminal A	Markings	Flatbed Tri	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
3	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554		
3	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
3	Terminal A	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Terminal A	Subbase P	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
3	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
3	Terminal A	Topsoil Pla	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
3	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Roa	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869		
4	Access Roa	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		

4	Access Ro	Asphalt Pl	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Asphalt Pl	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652	
4	Access Ro	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841	
4	Access Ro	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	26.30746	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Access Ro	Clearing a	Chipper/St	Diesel	100	0.43	1.6976	3.01401	589.3092	0.003468	0.294053	0.270529	0.349775	0.530708	
4	Access Ro	Clearing a	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.191638	
4	Access Ro	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313194	595.6491	0.003072	0.071525	0.065803	0.167578	0.00366	
4	Access Ro	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
4	Access Ro	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869	
4	Access Ro	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841	
4	Access Ro	Curbing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Curbing	Curb/Gutt	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869	
4	Access Ro	Curbing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Curbing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043	
4	Access Ro	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
4	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
4	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Access Ro	Dust Contr	Water Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043	
4	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.363	0.002882	0.080485	0.074046	0.154332	0.844709	
4	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Fencing	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652	
4	Access Ro	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Access Ro	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.205466	
4	Access Ro	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Markings	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Sidewalks	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Sidewalks	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Sidewalks	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Sidewalks	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Access Ro	Sidewalks	Vibratory (	Diesel	6	0.43	4.454482	4.442996	588.5146	0.003967	0.38997	0.358772	0.61206	0.006719	
4	Access Ro	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259	
4	Access Ro	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Access Ro	Street Ligh	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Street Ligh	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
4	Access Ro	Street Ligh	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Street Ligh	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Street Ligh	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652	
4	Access Ro	Street Ligh	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Access Ro	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Subbase P	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Access Ro	Topsoil Pl	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Access Ro	Topsoil Pl	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Tree Plant	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Tree Plant	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Access Ro	Tree Plant	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Access Ro	Tree Plant	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Building -	Concrete F	Backhoe	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Building -	Concrete F	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259	
4	Building -	Concrete F	Concrete F	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Concrete F	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043	
4	Building -	Concrete F	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439	
4	Building -	Concrete F	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Concrete F	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Constructi	Survey Cre	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Constructi	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Exterior W	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439	
4	Building -	Exterior W	Generator	Diesel	40	0.43	1.172554	4.04426	589.4126	0.003426	0.225203	0.207187	0.315664	0.0465	
4	Building -	Exterior W	Grout Mix	Diesel	600	0.59	0.983412	2.299761	536.2506	0.003073	0.140475	0.129237	0.191425	1.254561	
4	Building -	Exterior W	Grout Wh	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Exterior W	Man Lift	Diesel	75	0.21	3.948786	4.753797	693.6193	0.004193	0.538329	0.495263	0.785422	0.222717	
4	Building -	Exterior W	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Exterior W	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Exterior W	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541	
4	Building -	Interior Bu	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439	
4	Building -	Interior Bu	Man Lift	Diesel	75	0.21	3.948786	4.753797	693.6193	0.004193	0.538329	0.495263	0.785422	0.222717	
4	Building -	Interior Bu	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Interior Bu	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Roofing	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439	
4	Building -	Roofing	Man Lift	Diesel	75	0.21	3.948786	4.753797	693.6193	0.004193	0.538329	0.495263	0.785422	0.222717	
4	Building -	Roofing	Material D	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Roofing	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Roofing	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541	
4	Building -	Security &	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439	
4	Building -	Security &	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Structural	90 Ton Cra	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541	
4	Building -	Structural	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259	
4	Building -	Structural	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Structural	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439	
4	Building -	Structural	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Structural	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Building -	Structural	Trowel Ma	Diesel	600	0.59	0.983412	2.299761	536.2506	0.003073	0.140475	0.129237	0.191425	1.254561	
4	Building -	Structural	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541	
4	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869	
4	Terminal A	Asphalt Pl	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Asphalt Pl	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Terminal A	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Asphalt Pl	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Terminal A	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652	
4	Terminal A	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841	
4	Terminal A	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	26.30746	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Terminal A	Clearing a	Chipper/St	Diesel	100	0.43	1.6976	3.01401	589.3092	0.003468	0.294053	0.270529	0.349775	0.530708	
4	Terminal A	Clearing a	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.191638	
4	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313194	595.6491	0.003072	0.071525	0.065803	0.167578	0.00366	
4	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
4	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869	
4	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841	
4	Terminal A	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043	
4	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	

4	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
4	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Terminal A	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Terminal A	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043	
4	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Terminal A	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.363	0.002882	0.080485	0.074046	0.154332	0.844709	
4	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Terminal A	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Fencing	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652	
4	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Terminal A	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Terminal A	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.205466	
4	Terminal A	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Terminal A	Hydroseed	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Hydroseed	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Lighting	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Lighting	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
4	Terminal A	Lighting	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652	
4	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Terminal A	Markings	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
4	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259	
4	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893	
4	Terminal A	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Terminal A	Subbase P	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
4	Terminal A	Topsoil Pl	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
4	Terminal A	Topsoil Pl	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
4	Terminal A	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	

Emission Factors: On-Road (from MOVES)

Scenario ID	Project Ty	Equipmer	Fuel Type	Roadway T	CO(g/mi)	NOx(g/mi)	CO2(g/mi)	SO2(g/mi)	PM10(g/m	PM2.5(g/n	CH4(g/mi)	N2O(g/mi)	VOC(g/mi)	RV CO(g/v	RV NOx(g/	RV CO2(g/	RV SO2(g/	RV PM10(g	RV PM2.5(	RV VOC(g/	RP VOC(g/veh-day)
1	Building -	Cement M	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
1	Building -	Dump Tru	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
1	Building -	Passenger	Gasoline	Urban Unr	3.372234	0.150575	353.9016	0.006448	0.016421	0.015121	0.069651	0.004417	0.001798	234.9142	3.878955	793.7783	0.014463	0.212381	0.195562	9.503837	0
1	Building -	Tractor Tr	Diesel	Urban Unr	1.404516	5.277428	2328.797	0.016519	0.248141	0.240705	0.324989	0.065585	0.003463	21.66505	8.245722	384.0371	0.002876	0.032872	0.031887	10.55057	0
1	Parking Lo	Asphalt 18	Diesel	Urban Unr	1.404516	5.277428	2328.797	0.016519	0.248141	0.240705	0.324989	0.065585	0.003463	21.66505	8.245722	384.0371	0.002876	0.032872	0.031887	10.55057	0
1	Parking Lo	Cement M	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
1	Parking Lo	Dump Tru	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
1	Parking Lo	Dump Tru	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
1	Parking Lo	Passenger	Gasoline	Urban Unr	3.372234	0.150575	353.9016	0.006448	0.016421	0.015121	0.069651	0.004417	0.001798	234.9142	3.878955	793.7783	0.014463	0.212381	0.195562	9.503837	0
1	Terminal A	Asphalt 18	Diesel	Urban Unr	1.404516	5.277428	2328.797	0.016519	0.248141	0.240705	0.324989	0.065585	0.003463	21.66505	8.245722	384.0371	0.002876	0.032872	0.031887	10.55057	0
1	Terminal A	Cement M	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
1	Terminal A	Dump Tru	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
1	Terminal A	Dump Tru	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
1	Terminal A	Passenger	Gasoline	Urban Unr	3.372234	0.150575	353.9016	0.006448	0.016421	0.015121	0.069651	0.004417	0.001798	234.9142	3.878955	793.7783	0.014463	0.212381	0.195562	9.503837	0
2	Building -	Cement M	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
2	Building -	Dump Tru	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
2	Building -	Passenger	Gasoline	Urban Unr	2.23762	0.184218	377.7739	0.006515	0.004564	0.004202	0.073665	0.00461	0.001798	30.6368	2.529955	314.6944	0.005427	0.035639	0.032817	6.073836	0
2	Building -	Tractor Tr	Diesel	Urban Unr	1.404515	4.941793	2465.144	0.017485	0.248211	0.240772	0.329029	0.065585	0.003463	17.81891	0.805381	243.325	0.001822	0.032796	0.031813	10.96748	0
2	Parking Lo	Asphalt 18	Diesel	Urban Unr	1.404515	4.941793	2465.144	0.017485	0.248211	0.240772	0.329029	0.065585	0.003463	17.81891	0.805381	243.325	0.001822	0.032796	0.031813	10.96748	0
2	Parking Lo	Cement M	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
2	Parking Lo	Dump Tru	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
2	Parking Lo	Dump Tru	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
2	Parking Lo	Passenger	Gasoline	Urban Unr	2.23762	0.184218	377.7739	0.006515	0.004564	0.004202	0.073665	0.00461	0.001798	30.6368	2.529955	314.6944	0.005427	0.035639	0.032817	6.073836	0
2	Terminal A	Asphalt 18	Diesel	Urban Unr	1.404515	4.941793	2465.144	0.017485	0.248211	0.240772	0.329029	0.065585	0.003463	17.81891	0.805381	243.325	0.001822	0.032796	0.031813	10.96748	0
2	Terminal A	Cement M	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
2	Terminal A	Dump Tru	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
2	Terminal A	Dump Tru	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
2	Terminal A	Passenger	Gasoline	Urban Unr	2.23762	0.184218	377.7739	0.006515	0.004564	0.004202	0.073665	0.00461	0.001798	30.6368	2.529955	314.6944	0.005427	0.035639	0.032817	6.073836	0
3	Access Ro	Asphalt 18	Diesel	Urban Unr	1.261852	4.763609	2328.797	0.016434	0.216748	0.210252	0.294778	0.066706	0.003463	21.66245	8.245557	384.2953	0.002857	0.030039	0.029139	10.62326	0
3	Access Ro	Cement M	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
3	Access Ro	Dump Tru	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
3	Access Ro	Dump Tru	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
3	Access Ro	Passenger	Gasoline	Urban Unr	3.319439	0.136328	348.7876	0.006355	0.016273	0.014984	0.065862	0.004381	0.001767	232.113	3.655801	782.1927	0.014252	0.205093	0.188851	8.822119	0
3	Building -	Cement M	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
3	Building -	Dump Tru	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
3	Building -	Passenger	Gasoline	Urban Unr	3.319439	0.136328	348.7876	0.006355	0.016273	0.014984	0.065862	0.004381	0.001767	232.113	3.655801	782.1927	0.014252	0.205093	0.188851	8.822119	0
3	Building -	Tractor Tr	Diesel	Urban Unr	1.261852	4.763609	2328.797	0.016434	0.216748	0.210252	0.294778	0.066706	0.003463	21.66245	8.245557	384.2953	0.002857	0.030039	0.029139	10.62326	0
3	Terminal A	Asphalt 18	Diesel	Urban Unr	1.261852	4.763609	2328.797	0.016434	0.216748	0.210252	0.294778	0.066706	0.003463	21.66245	8.245557	384.2953	0.002857	0.030039	0.029139	10.62326	0
3	Terminal A	Cement M	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
3	Terminal A	Dump Tru	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
3	Terminal A	Dump Tru	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
3	Terminal A	Passenger	Gasoline	Urban Unr	3.319439	0.136328	348.7876	0.006355	0.016273	0.014984	0.065862	0.004381	0.001767	232.113	3.655801	782.1927	0.014252	0.205093	0.188851	8.822119	0
4	Access Ro	Asphalt 18	Diesel	Urban Unr	1.261851	4.460653	2465.236	0.017396	0.216817	0.21032	0.298819	0.066706	0.003463	17.81678	0.805365	243.4884	0.00181	0.029963	0.029065	11.17232	0
4	Access Ro	Cement M	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Access Ro	Dump Tru	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Access Ro	Dump Tru	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Access Ro	Passenger	Gasoline	Urban Unr	2.19304	0.167364	372.32	0.006421	0.004522	0.004164	0.069766	0.004581	0.001767	30.00233	2.338291	310.1012	0.005348	0.035031	0.032256	5.876798	0
4	Building -	Cement M	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Building -	Dump Tru	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Building -	Passenger	Gasoline	Urban Unr	2.19304	0.167364	372.32	0.006421	0.004522	0.004164	0.069766	0.004581	0.001767	30.00233	2.338291	310.1012	0.005348	0.035031	0.032256	5.876798	0
4	Building -	Tractor Tr	Diesel	Urban Unr	1.261851	4.460653	2465.236	0.017396	0.216817	0.21032	0.298819	0.066706	0.003463	17.81678	0.805365	243.4884	0.00181	0.029963	0.029065	11.17232	0
4	Terminal A	Asphalt 18	Diesel	Urban Unr	1.261851	4.460653	2465.236	0.017396	0.216817	0.21032	0.298819	0.066706	0.003463	17.81678	0.805365	243.4884	0.00181	0.029963	0.029065	11.17232	0
4	Terminal A	Cement M	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Terminal A	Dump Tru	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Terminal A	Dump Tru	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
4	Terminal A	Passenger	Gasoline	Urban Unr	2.19304	0.167364	372.32	0.006421	0.004522	0.004164	0.069766	0.004581	0.001767	30.00233	2.338291	310.1012	0.005348	0.035031	0.032256	5.876798	0

Fugitive Emissions (Emission Factors from Various Sources including AP-42)

Scenario ID	Project	Fugitive T	Variable	Default Va	Units	User Value
1	Building -	Concrete F	V = Volum	4625	yd3	
1	Building -	Concrete F	PM10 = 0.0	171.1	lbs	
1	Building -	Material N	sL = Road s	0.1	g/m3	
1	Building -	Material N	Wt. = Mea	32	tons	
1	Building -	Material N	VMT = Veh	3225	miles	
1	Building -	Material N	PM10 = 0.0	29.9	lbs	
1	Building -	Material N	s = Surface	0.043	fraction	
1	Building -	Material N	Wt. = Mea	32	tons	
1	Building -	Material N	VMT = Veh	3325	miles	
1	Building -	Material N	PM10 = 1.1	91.1	lbs	
1	Parking Lo	Asphalt Dr	A = Area of	22017.3	m2	
1	Parking Lo	Asphalt Dr	AR = Applic	1.811	l/m2	
1	Parking Lo	Asphalt Dr	VD = Volur	0.35	fraction	
1	Parking Lo	Asphalt Dr	EF = Mass	0.7	fraction	
1	Parking Lo	Asphalt Dr	D = Densit	1.8	lbs/l	
1	Parking Lo	Asphalt Dr	VOC = A x	17584.1	lbs	
1	Parking Lo	Asphalt Sto	T = Mass o	2864.3	tons	
1	Parking Lo	Asphalt Sto	PM10 = (0	78.5	lbs	
1	Parking Lo	Asphalt Sto	CO = (0.4 *	1146.9	lbs	
1	Parking Lo	Asphalt Sto	NOx = (0.0	71.6	lbs	
1	Parking Lo	Asphalt Sto	SOx = (0.0	13.2	lbs	
1	Parking Lo	Asphalt Sto	VOC = (0.0	35.5	lbs	
1	Parking Lo	Material N	s = Surface	0.043	fraction	

1	Parking Lo	Material N	Wt. = Mea	32	tons
1	Parking Lo	Material N	VMT = Veh	7827.7	miles
1	Parking Lo	Material N	PM10 = 1.!	214.4	lbs
1	Parking Lo	Material N	sL = Road s	0.1	g/m3
1	Parking Lo	Material N	Wt. = Mea	32	tons
1	Parking Lo	Material N	VMT = Veh	7095	miles
1	Parking Lo	Material N	PM10 = 0.(	65.9	lbs
1	Parking Lo	Soil Handli	u = Wind s	5	mph
1	Parking Lo	Soil Handli	m = Moistu	0.25	fraction
1	Parking Lo	Soil Handli	T = Mass o	6517.5	tons
1	Parking Lo	Soil Handli	PM10 = T >	134.2	lbs
1	Parking Lo	Unstabilize	A = Area af	5.441	acres
1	Parking Lo	Unstabilize	TPConv = T	0.5	fraction
1	Parking Lo	Unstabilize	CE = Contr	0.63	fraction
1	Parking Lo	Unstabilize	t = year (e.	0.5	years
1	Parking Lo	Unstabilize	PM10 = 0.:	0	lbs
1	Terminal A	Asphalt Dr	A = Area of	18812.3	m2
1	Terminal A	Asphalt Dr	AR = Applic	1.811	l/m2
1	Terminal A	Asphalt Dr	VD = Volur	0.35	fraction
1	Terminal A	Asphalt Dr	EF = Mass	0.7	fraction
1	Terminal A	Asphalt Dr	D = Densit	1.8	lbs/l
1	Terminal A	Asphalt Dr	VOC = A x .	15024.4	lbs
1	Terminal A	Asphalt Sto	T = Mass o	2447.4	tons
1	Terminal A	Asphalt Sto	PM10 = (0	67.1	lbs
1	Terminal A	Asphalt Sto	CO = (0.4 +	979.9	lbs
1	Terminal A	Asphalt Sto	NOx = (0.0	61.2	lbs
1	Terminal A	Asphalt Sto	SOx = (0.0(	11.3	lbs
1	Terminal A	Asphalt Sto	VOC = (0.0	30.3	lbs
1	Terminal A	Material N	s = Surface	0.043	fraction
1	Terminal A	Material N	Wt. = Mea	32	tons
1	Terminal A	Material N	VMT = Veh	6978.7	miles
1	Terminal A	Material N	PM10 = 1.!	191.1	lbs
1	Terminal A	Material N	sL = Road s	0.1	g/m3
1	Terminal A	Material N	Wt. = Mea	32	tons
1	Terminal A	Material N	VMT = Veh	6450	miles
1	Terminal A	Material N	PM10 = 0.(	59.9	lbs
1	Terminal A	Concrete F	V = Volum	9365.6	yd3
1	Terminal A	Concrete F	PM10 = 0.(	346.5	lbs
1	Terminal A	Unstabilize	A = Area af	4.649	acres
1	Terminal A	Unstabilize	TPConv = T	0.5	fraction
1	Terminal A	Unstabilize	CE = Contr	0.63	fraction
1	Terminal A	Unstabilize	t = year (e.	0.5	years
1	Terminal A	Unstabilize	PM10 = 0.:	0	lbs
1	Terminal A	Soil Handli	u = Wind s	5	mph
1	Terminal A	Soil Handli	m = Moistu	0.25	fraction
1	Terminal A	Soil Handli	T = Mass o	5568.8	tons
1	Terminal A	Soil Handli	PM10 = T >	114.6	lbs
2	Building - :	Concrete F	V = Volum	4625	yd3
2	Building - :	Concrete F	PM10 = 0.(	171.1	lbs
2	Building - :	Material N	sL = Road s	0.1	g/m3
2	Building - :	Material N	Wt. = Mea	32	tons
2	Building - :	Material N	VMT = Veh	3225	miles
2	Building - :	Material N	PM10 = 0.(	29.9	lbs
2	Building - :	Material N	s = Surface	0.043	fraction
2	Building - :	Material N	Wt. = Mea	32	tons
2	Building - :	Material N	VMT = Veh	3325	miles
2	Building - :	Material N	PM10 = 1.!	91.1	lbs
2	Parking Lo	Asphalt Dr	A = Area of	22017.3	m2
2	Parking Lo	Asphalt Dr	AR = Applic	1.811	l/m2
2	Parking Lo	Asphalt Dr	VD = Volur	0.35	fraction
2	Parking Lo	Asphalt Dr	EF = Mass	0.7	fraction
2	Parking Lo	Asphalt Dr	D = Densit	1.8	lbs/l
2	Parking Lo	Asphalt Dr	VOC = A x .	17584.1	lbs
2	Parking Lo	Asphalt Sto	T = Mass o	2864.3	tons
2	Parking Lo	Asphalt Sto	PM10 = (0	78.5	lbs
2	Parking Lo	Asphalt Sto	CO = (0.4 +	1146.9	lbs
2	Parking Lo	Asphalt Sto	NOx = (0.0	71.6	lbs
2	Parking Lo	Asphalt Sto	SOx = (0.0(	13.2	lbs
2	Parking Lo	Asphalt Sto	VOC = (0.0	35.5	lbs
2	Parking Lo	Material N	s = Surface	0.043	fraction
2	Parking Lo	Material N	Wt. = Mea	32	tons
2	Parking Lo	Material N	VMT = Veh	7827.7	miles
2	Parking Lo	Material N	PM10 = 1.!	214.4	lbs
2	Parking Lo	Material N	sL = Road s	0.1	g/m3
2	Parking Lo	Material N	Wt. = Mea	32	tons
2	Parking Lo	Material N	VMT = Veh	7095	miles
2	Parking Lo	Material N	PM10 = 0.(	65.9	lbs
2	Parking Lo	Concrete F	V = Volum	10961.3	yd3
2	Parking Lo	Concrete F	PM10 = 0.(	405.6	lbs
2	Parking Lo	Soil Handli	u = Wind s	5	mph
2	Parking Lo	Soil Handli	m = Moistu	0.25	fraction
2	Parking Lo	Soil Handli	T = Mass o	6517.5	tons
2	Parking Lo	Soil Handli	PM10 = T >	134.2	lbs
2	Parking Lo	Unstabilize	A = Area af	5.441	acres
2	Parking Lo	Unstabilize	TPConv = T	0.5	fraction
2	Parking Lo	Unstabilize	CE = Contr	0.63	fraction
2	Parking Lo	Unstabilize	t = year (e.	0.5	years
2	Parking Lo	Unstabilize	PM10 = 0.:	0	lbs
2	Terminal A	Asphalt Dr	A = Area of	18812.3	m2
2	Terminal A	Asphalt Dr	AR = Applic	1.811	l/m2
2	Terminal A	Asphalt Dr	VD = Volur	0.35	fraction
2	Terminal A	Asphalt Dr	EF = Mass	0.7	fraction
2	Terminal A	Asphalt Dr	D = Densit	1.8	lbs/l
2	Terminal A	Asphalt Dr	VOC = A x .	15024.4	lbs
2	Terminal A	Asphalt Sto	T = Mass o	2447.4	tons
2	Terminal A	Asphalt Sto	PM10 = (0	67.1	lbs
2	Terminal A	Asphalt Sto	CO = (0.4 +	979.9	lbs
2	Terminal A	Asphalt Sto	NOx = (0.0	61.2	lbs
2	Terminal A	Asphalt Sto	SOx = (0.0(	11.3	lbs
2	Terminal A	Asphalt Sto	VOC = (0.0	30.3	lbs
2	Terminal A	Material N	s = Surface	0.043	fraction
2	Terminal A	Material N	Wt. = Mea	32	tons
2	Terminal A	Material N	VMT = Veh	6978.7	miles
2	Terminal A	Material N	PM10 = 1.!	191.1	lbs
2	Terminal A	Material N	sL = Road s	0.1	g/m3
2	Terminal A	Material N	Wt. = Mea	32	tons
2	Terminal A	Material N	VMT = Veh	6450	miles
2	Terminal A	Material N	PM10 = 0.(	59.9	lbs
2	Terminal A	Concrete F	V = Volum	9365.6	yd3
2	Terminal A	Concrete F	PM10 = 0.(	346.5	lbs
2	Terminal A	Unstabilize	A = Area af	4.649	acres
2	Terminal A	Unstabilize	TPConv = T	0.5	fraction
2	Terminal A	Unstabilize	CE = Contr	0.63	fraction
2	Terminal A	Unstabilize	t = year (e.	0.5	years
2	Terminal A	Unstabilize	PM10 = 0.:	0	lbs
2	Terminal A	Soil Handli	u = Wind s	5	mph
2	Terminal A	Soil Handli	m = Moistu	0.25	fraction
2	Terminal A	Soil Handli	T = Mass o	5568.8	tons
2	Terminal A	Soil Handli	PM10 = T >	114.6	lbs
3	Access Roa	Asphalt Dr	A = Area of	3344.4	m2
3	Access Roa	Asphalt Dr	AR = Applic	1.811	l/m2
3	Access Roa	Asphalt Dr	VD = Volur	0.35	fraction
3	Access Roa	Asphalt Dr	EF = Mass	0.7	fraction
3	Access Roa	Asphalt Dr	D = Densit	1.8	lbs/l
3	Access Roa	Asphalt Dr	VOC = A x .	2671	lbs
3	Access Roa	Asphalt Sto	T = Mass o	435.1	tons
3	Access Roa	Asphalt Sto	PM10 = (0	11.9	lbs
3	Access Roa	Asphalt Sto	CO = (0.4 +	174.2	lbs
3	Access Roa	Asphalt Sto	NOx = (0.0	10.9	lbs
3	Access Roa	Asphalt Sto	SOx = (0.0(	2.003	lbs
3	Access Roa	Asphalt Sto	VOC = (0.0	5.395	lbs
3	Access Roa	Material N	s = Surface	0.043	fraction
3	Access Roa	Material N	Wt. = Mea	32	tons
3	Access Roa	Material N	VMT = Veh	2836.3	miles
3	Access Roa	Material N	PM10 = 1.!	77.7	lbs
3	Access Roa	Material N	sL = Road s	0.1	g/m3
3	Access Roa	Material N	Wt. = Mea	32	tons
3	Access Roa	Material N	VMT = Veh	2580	miles
3	Access Roa	Material N	PM10 = 0.(	23.9	lbs
3	Access Roa	Concrete F	V = Volum	1665	yd3
3	Access Roa	Concrete F	PM10 = 0.(	61.6	lbs
3	Access Roa	Unstabilize	A = Area af	0.826	acres

3	Access Ro	Unstabilize	TPConv = T	0.5	fraction
3	Access Ro	Unstabilize	CE = Contr	0.63	fraction
3	Access Ro	Unstabilize	t = year (e.	0.5	years
3	Access Ro	Unstabilize	PM10 = 0.	0	lbs
3	Access Ro	Soil Handli	u = Wind s	5	mph
3	Access Ro	Soil Handli	m = Moistu	0.25	fraction
3	Access Ro	Soil Handli	T = Mass o	990	tons
3	Access Ro	Soil Handli	PM10 = T	20.4	lbs
3	Building -	Concrete f	V = Volum	4625	yd3
3	Building -	Concrete f	PM10 = 0.	171.1	lbs
3	Building -	Material N	sL = Road	0.1	g/m3
3	Building -	Material N	Wt. = Mea	32	tons
3	Building -	Material N	VMT = Veh	3225	miles
3	Building -	Material N	PM10 = 0.	29.9	lbs
3	Building -	Material N	s = Surface	0.043	fraction
3	Building -	Material N	Wt. = Mea	32	tons
3	Building -	Material N	VMT = Veh	3325	miles
3	Building -	Material N	PM10 = 1.	91.1	lbs
3	Terminal A	Asphalt Dr	A = Area o	18812.3	m2
3	Terminal A	Asphalt Dr	AR = Applic	1.811	l/m2
3	Terminal A	Asphalt Dr	VD = Volur	0.35	fraction
3	Terminal A	Asphalt Dr	EF = Mass	0.7	fraction
3	Terminal A	Asphalt Dr	D = Densit	1.8	lbs/l
3	Terminal A	Asphalt Dr	VOC = A x	15024.4	lbs
3	Terminal A	Asphalt Sto	T = Mass o	2447.4	tons
3	Terminal A	Asphalt Sto	PM10 = (0	67.1	lbs
3	Terminal A	Asphalt Sto	CO = (0.4 *	979.9	lbs
3	Terminal A	Asphalt Sto	NOx = (0.0	61.2	lbs
3	Terminal A	Asphalt Sto	SOx = (0.0	11.3	lbs
3	Terminal A	Asphalt Sto	VOC = (0.0	30.3	lbs
3	Terminal A	Material N	s = Surface	0.043	fraction
3	Terminal A	Material N	Wt. = Mea	32	tons
3	Terminal A	Material N	VMT = Veh	6978.7	miles
3	Terminal A	Material N	PM10 = 1.	191.1	lbs
3	Terminal A	Material N	sL = Road	0.1	g/m3
3	Terminal A	Material N	Wt. = Mea	32	tons
3	Terminal A	Material N	VMT = Veh	6450	miles
3	Terminal A	Material N	PM10 = 0.	59.9	lbs
3	Terminal A	Concrete f	V = Volum	9365.6	yd3
3	Terminal A	Concrete f	PM10 = 0.	346.5	lbs
3	Terminal A	Unstabilize	A = Area al	4.649	acres
3	Terminal A	Unstabilize	TPConv = T	0.5	fraction
3	Terminal A	Unstabilize	CE = Contr	0.63	fraction
3	Terminal A	Unstabilize	t = year (e.	0.5	years
3	Terminal A	Unstabilize	PM10 = 0.	0	lbs
3	Terminal A	Soil Handli	u = Wind s	5	mph
3	Terminal A	Soil Handli	m = Moistu	0.25	fraction
3	Terminal A	Soil Handli	T = Mass o	5568.8	tons
3	Terminal A	Soil Handli	PM10 = T	114.6	lbs
4	Access Ro	Asphalt Dr	A = Area o	3344.4	m2
4	Access Ro	Asphalt Dr	AR = Applic	1.811	l/m2
4	Access Ro	Asphalt Dr	VD = Volur	0.35	fraction
4	Access Ro	Asphalt Dr	EF = Mass	0.7	fraction
4	Access Ro	Asphalt Dr	D = Densit	1.8	lbs/l
4	Access Ro	Asphalt Dr	VOC = A x	2671	lbs
4	Access Ro	Asphalt Sto	T = Mass o	435.1	tons
4	Access Ro	Asphalt Sto	PM10 = (0	11.9	lbs
4	Access Ro	Asphalt Sto	CO = (0.4 *	174.2	lbs
4	Access Ro	Asphalt Sto	NOx = (0.0	10.9	lbs
4	Access Ro	Asphalt Sto	SOx = (0.0	2.001	lbs
4	Access Ro	Asphalt Sto	VOC = (0.0	5.395	lbs
4	Access Ro	Material N	s = Surface	0.043	fraction
4	Access Ro	Material N	Wt. = Mea	32	tons
4	Access Ro	Material N	VMT = Veh	2836.3	miles
4	Access Ro	Material N	PM10 = 1.	77.7	lbs
4	Access Ro	Material N	sL = Road	0.1	g/m3
4	Access Ro	Material N	Wt. = Mea	32	tons
4	Access Ro	Material N	VMT = Veh	2580	miles
4	Access Ro	Material N	PM10 = 0.	23.9	lbs
4	Access Ro	Concrete f	V = Volum	1665	yd3
4	Access Ro	Concrete f	PM10 = 0.	61.6	lbs
4	Access Ro	Unstabilize	A = Area al	0.826	acres
4	Access Ro	Unstabilize	TPConv = T	0.5	fraction
4	Access Ro	Unstabilize	CE = Contr	0.63	fraction
4	Access Ro	Unstabilize	t = year (e.	0.5	years
4	Access Ro	Unstabilize	PM10 = 0.	0	lbs
4	Access Ro	Soil Handli	u = Wind s	5	mph
4	Access Ro	Soil Handli	m = Moistu	0.25	fraction
4	Access Ro	Soil Handli	T = Mass o	990	tons
4	Access Ro	Soil Handli	PM10 = T	20.4	lbs
4	Building -	Concrete f	V = Volum	4625	yd3
4	Building -	Concrete f	PM10 = 0.	171.1	lbs
4	Building -	Material N	sL = Road	0.1	g/m3
4	Building -	Material N	Wt. = Mea	32	tons
4	Building -	Material N	VMT = Veh	3225	miles
4	Building -	Material N	PM10 = 0.	29.9	lbs
4	Building -	Material N	s = Surface	0.043	fraction
4	Building -	Material N	Wt. = Mea	32	tons
4	Building -	Material N	VMT = Veh	3325	miles
4	Building -	Material N	PM10 = 1.	91.1	lbs
4	Terminal A	Asphalt Dr	A = Area o	18812.3	m2
4	Terminal A	Asphalt Dr	AR = Applic	1.811	l/m2
4	Terminal A	Asphalt Dr	VD = Volur	0.35	fraction
4	Terminal A	Asphalt Dr	EF = Mass	0.7	fraction
4	Terminal A	Asphalt Dr	D = Densit	1.8	lbs/l
4	Terminal A	Asphalt Dr	VOC = A x	15024.4	lbs
4	Terminal A	Asphalt Sto	T = Mass o	2447.4	tons
4	Terminal A	Asphalt Sto	PM10 = (0	67.1	lbs
4	Terminal A	Asphalt Sto	CO = (0.4 *	979.9	lbs
4	Terminal A	Asphalt Sto	NOx = (0.0	61.2	lbs
4	Terminal A	Asphalt Sto	SOx = (0.0	11.3	lbs
4	Terminal A	Asphalt Sto	VOC = (0.0	30.3	lbs
4	Terminal A	Material N	s = Surface	0.043	fraction
4	Terminal A	Material N	Wt. = Mea	32	tons
4	Terminal A	Material N	VMT = Veh	6978.7	miles
4	Terminal A	Material N	PM10 = 1.	191.1	lbs
4	Terminal A	Material N	sL = Road	0.1	g/m3
4	Terminal A	Material N	Wt. = Mea	32	tons
4	Terminal A	Material N	VMT = Veh	6450	miles
4	Terminal A	Material N	PM10 = 0.	59.9	lbs
4	Terminal A	Concrete f	V = Volum	9365.6	yd3
4	Terminal A	Concrete f	PM10 = 0.	346.5	lbs
4	Terminal A	Unstabilize	A = Area al	4.649	acres
4	Terminal A	Unstabilize	TPConv = T	0.5	fraction
4	Terminal A	Unstabilize	CE = Contr	0.63	fraction
4	Terminal A	Unstabilize	t = year (e.	0.5	years
4	Terminal A	Unstabilize	PM10 = 0.	0	lbs
4	Terminal A	Soil Handli	u = Wind s	5	mph
4	Terminal A	Soil Handli	m = Moistu	0.25	fraction
4	Terminal A	Soil Handli	T = Mass o	5568.8	tons
4	Terminal A	Soil Handli	PM10 = T	114.6	lbs

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ASSUMPTIONS

Emission factors were developed from the following models:

On-Road Vehicles: MOVES 2010b, revised January 2013

Non-Road Equipment: NONROAD2008a, July 2009

In addition to the overall project size dimensions (e.g., Length and width) provided by the user, an additional 10 ft length and 10 ft width is added to account for disturbance areas.

The number of employees is based on the higher of two methods: (1) number of equipment, and (2) multiply the project cost in million by 11.

The average employee travels 30 miles round-trip from home to construction site each day.

The average on-road material delivery round-trip distance per truck is 40 miles per day.

For calculating fugitive, re-entrained PM emissions from on-road and non-road material delivery and handling equipment, a nominal VMT of 5 miles is used for each vehicle per day.

In deriving emission factors from NONROAD, the horsepower for each equipment represents the most popular in each equipment category.

The total length of each modeled scenario is used to define the number of days associated with vehicle/equipment evaporative emissions.

The choice of location and season are assumed to adequately represent differences in fuel characteristics affecting emissions.

Only two seasons (Summer and Winter) are used to represent all seasons.

14 U.S. Counties are used to represent all other counties in the U.S. (all other counties are mapped to the 14).

The default methods assume that all construction equipment use diesel as well as heavy-duty on-road vehicles, while passenger vehicles (including motorcycles) use gasoline.

Fugitive emissions are only modeled for:

- Asphalt drying
- Asphalt storage and batching
- Concrete mixing/batching
- Soil handling
- Unstabilized land and wind erosion
- Material movement (unpaved roads)
- Material movement (paved roads)

On-Road vehicle speeds are not explicitly modeled. The associated emission factors for each modeled vehicle from MOVES represent averages over the driving cycles, the roadway type, and daily temperature variations.

The default equipment hours-of-use data are developed based on the overall size of the project provided by the user and activity rates based on expert engineering judgment.

Under the Construction Activity Type list (Activity Tab), when a choice between asphalt and concrete materials occurs, asphalt is always selected as default. To choose concrete, de-select the aphalt item and select the corresponding concrete item.

Two trips per day were assumed for each on-road material handling trucks.

Only CO_2, CH_4, and N_2O are used to represent greenhouse gas emissions. Other potential greenhouse gases including air conditioning refrigerants were not included.

The following equipment are always modeled using diesel emission factors since gasoline-based emission factors are not available:

- Asphalt Deliveries/Ten Wheelers
- Bulldozer
- Concrete Ready Mix Trucks
- Concrete Ready Trucks Mix for Cores
- Concrete Truck
- Crack Filler (Trailer Mounted)
- Delivery of Tanks (3)
- Distributing Tanker
- Dozer
- Dump Truck
- Dump Truck (12 cy)
- Excavator
- Excavator for U/G Services/Tanks
- Flat Bed or Dump Trucks
- Flatbed Truck
- Grader
- Grout Wheel Truck
- Hoist Equipment with 40 Ton Rig
- Hydralic Hammer
- Hydroseeder
- Line Painting Truck and Sprayer
- Material Deliveries
- Off-Road Truck
- Pickup Truck
- Scraper
- Seed Truck Spreader
- Small Dozer
- Survey Crew Trucks
- Ten Wheelers
- Ten Wheelers- Material Delivery
- Tool Truck
- Tractor Trailer- Equipment Delivery
- Tractor Trailer- Material Delivery
- Tractor Trailer- Steel Deliveries
- Tractor Trailer- Stone Delivery
- Tractor Trailer- Topsoil & Seed
- Tractor Trailer- Truck Delivery
- Tractor Trailer with Boom Hoist- Curbs Del & Place
- Tractor Trailer with Boom Hoist- Delivery
- Tractor Trailers- Rebar Deliveries
- Tractor Trailers Temp Fac.
- Truck for Topsoil & Seed Del&Spread
- Water Truck
- Excavator with Bucket
- Excavator with Hoe Ram

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ALTERNATIVE 3 - AQ & GHG Construction Emissions

Airport Construction Emissions Inventory Tool (ACEIT)
Version 1.0
Run Date & Time: 2/25/2016 11:17:49 PM

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STUDY

Study Name

Alternative 1d

Study Description

Construct Loop Rd Terminal Apron

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EMISSIONS INVENTORY - SUMMARY

Total Emissions by Year
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Year	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
2019	18.89696	10.39402	0.051923	1.391058	0.512347	11.6813	6132.338	0.178529	0.02064
2020	28.99845	15.95793	0.108192	3.531632	0.787469	49.79521	10520.19	0.294782	0.050398

Total Emissions by Source Categories
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases Emission: Metric Ton

Year	Emission S	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
2019	NonRoad	4.123215	9.311792	0.028802	0.510239	0.46942	1.733436	5161.845	--	--
2019	OnRoad	14.16164	1.043975	0.016088	0.045668	0.042927	0.544146	970.4929	0.178529	0.02064
2019	Fugitive	0.6121	0.03825	0.007032	0.83515	--	9.403717	--	--	--
2019	TOTAL	18.89696	10.39402	0.051923	1.391058	0.512347	11.6813	6132.338	0.178529	0.02064
2020	NonRoad	6.714627	13.67545	0.048933	0.766685	0.70535	2.99018	8789.879	--	--
2020	OnRoad	19.28342	2.095124	0.024808	0.086547	0.082119	0.70953	1730.31	0.294782	0.050398
2020	Fugitive	3.0004	0.18735	0.034451	2.6784	--	46.0955	--	--	--
2020	TOTAL	28.99845	15.95793	0.108192	3.531632	0.787469	49.79521	10520.19	0.294782	0.050398

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EMISSIONS INVENTORY - DETAILS:

Non-Road Sources
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Scenario Id	Year	Project	Constructi	Equipmen	Fuel	HP	Averag	Load Factc	Hours of A	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	
1	2019	Building - :	Concrete F	Backhoe	Diesel		100	0.21	480	0.047376	0.037218	4.55E-05	0.006651	0.006119	0.007625	6.995044	
1	2019	Building - :	Concrete F	Concrete F	Diesel		11	0.43	180	0.004188	0.004365	3.72E-06	0.000406	0.000374	0.000613	0.500961	
1	2019	Building - :	Concrete F	Concrete F	Diesel		600	0.59	360	0.034144	0.102066	0.000375	0.004186	0.003851	0.020063	68.35868	
1	2019	Building - :	Concrete F	Excavator	Diesel		175	0.59	160	0.006121	0.014939	4.98E-05	0.001217	0.00112	0.002768	8.860906	
1	2019	Building - :	Concrete F	Fork Truck	Diesel		100	0.59	480	0.015196	0.013885	9.06E-05	0.000804	0.000739	0.004404	16.87107	
1	2019	Building - :	Concrete F	Tool Truck	Diesel		600	0.59	120	0.011381	0.034022	0.000125	0.001395	0.001284	0.006724	22.78623	
1	2019	Building - :	Concrete F	Tractor Tra	Diesel		600	0.59	240	0.022763	0.068044	0.00025	0.002791	0.002568	0.013393	45.57245	
1	2019	Building - :	Constructi	Survey Cre	Diesel		600	0.59	10	0.000948	0.002835	1.04E-05	0.000116	0.000107	0.00061	1.898852	
1	2019	Building - :	Constructi	Tractor Tra	Diesel		600	0.59	4	0.000379	0.001134	4.16E-06	4.65E-05	4.28E-05	0.000276	0.759541	
1	2019	Building - :	Exterior W	Fork Truck	Diesel		100	0.59	840	0.026593	0.024298	0.000159	0.001406	0.001294	0.007703	29.52437	
1	2019	Building - :	Exterior W	Generator	Diesel		40	0.43	80	0.001952	0.006305	5.28E-06	0.000377	0.000347	0.000524	0.81093	
1	2019	Building - :	Exterior W	Grout Mix	Diesel		600	0.59	420	0.176511	0.412766	0.000511	0.025156	0.023143	0.032729	79.72656	
1	2019	Building - :	Exterior W	Grout Wh	Diesel		600	0.59	160	0.015175	0.045363	0.000166	0.001861	0.001712	0.008947	30.38164	
1	2019	Building - :	Exterior W	Man Lift	Diesel		75	0.21	1680	0.12289	0.143431	0.000124	0.017009	0.015649	0.02478	18.34812	
1	2019	Building - :	Exterior W	Tool Truck	Diesel		600	0.59	420	0.039834	0.119077	0.000437	0.004884	0.004493	0.023398	79.75179	
1	2019	Building - :	Exterior W	Tractor Tra	Diesel		600	0.59	840	0.079669	0.238155	0.000874	0.009768	0.008986	0.046743	159.5036	
1	2019	Building - :	Exterior W	Truck Tow	Diesel		300	0.43	80	0.003172	0.01437	3.22E-05	0.000627	0.000577	0.001907	5.475279	
1	2019	Building - :	Interior Bu	Fork Truck	Diesel		100	0.59	1600	0.050653	0.046282	0.000302	0.002679	0.002464	0.014669	56.2369	
1	2019	Building - :	Interior Bu	Man Lift	Diesel		75	0.21	3200	0.234076	0.273201	0.000236	0.032399	0.029807	0.047169	34.9488	
1	2019	Building - :	Interior Bu	Tool Truck	Diesel		600	0.59	1600	0.15175	0.453628	0.001665	0.018605	0.017117	0.088985	303.8164	
1	2019	Building - :	Interior Bu	Tractor Tra	Diesel		600	0.59	1600	0.15175	0.453628	0.001665	0.018605	0.017117	0.088985	303.8164	
1	2019	Building - :	Roofing	High Lift	Diesel		100	0.59	160	0.005065	0.004628	3.02E-05	0.000268	0.000246	0.001471	5.62369	
1	2019	Building - :	Roofing	Man Lift	Diesel		75	0.21	40	0.002926	0.003415	2.95E-06	0.000405	0.000373	0.000624	0.43686	
1	2019	Building - :	Roofing	Material D	Diesel		600	0.59	60	0.005691	0.017011	6.24E-05	0.000698	0.000642	0.003389	11.39311	
1	2019	Building - :	Roofing	Tractor Tra	Diesel		600	0.59	40	0.003794	0.011341	4.16E-05	0.000465	0.000428	0.002277	7.595409	
1	2019	Building - :	Roofing	Truck Tow	Diesel		300	0.43	120	0.004758	0.021555	4.83E-05	0.000941	0.000866	0.002831	8.212919	
1	2019	Building - :	Security &	High Lift	Diesel		100	0.59	800	0.025326	0.023141	0.000151	0.001339	0.001232	0.007337	28.11845	
1	2019	Building - :	Security &	Tool Truck	Diesel		600	0.59	800	0.075875	0.226814	0.000832	0.009303	0.008558	0.044519	151.9082	
1	2019	Building - :	Structural	90 Ton Cra	Diesel		300	0.43	240	0.009515	0.043111	9.65E-05	0.001882	0.001732	0.005603	16.42584	
1	2019	Building - :	Structural	Concrete F	Diesel		11	0.43	60	0.001396	0.001455	1.24E-06	0.000135	0.000125	0.000206	0.166987	
1	2019	Building - :	Structural	Concrete T	Diesel		600	0.59	60	0.005691	0.017011	6.24E-05	0.000698	0.000642	0.003389	11.39311	
1	2019	Building - :	Structural	Fork Truck	Diesel		100	0.59	640	0.020261	0.018513	0.000121	0.001071	0.000986	0.00587	22.49476	
1	2019	Building - :	Structural	Tool Truck	Diesel		600	0.59	160	0.015175	0.045363	0.000166	0.001861	0.001712	0.008947	30.38164	
1	2019	Building - :	Structural	Tractor Tra	Diesel		600	0.59	360	0.034144	0.102066	0.000375	0.004186	0.003851	0.020063	68.35868	
1	2019	Building - :	Structural	Trowel Ma	Diesel		600	0.59	40	0.016811	0.039311	4.87E-05	0.002396	0.002204	0.003296	7.593006	
1	2019	Building - :	Structural	Truck Tow	Diesel		300	0.43	720	0.028546	0.129333	0.00029	0.005647	0.005196	0.016694	49.27752	
1	2019	Taxiways	Asphalt Pl	Asphalt Pa	Diesel		175	0.59	18.034	0.001045	0.002414	5.88E-06	0.000235	0.000217	0.00038	0.99865	
1	2019	Taxiways	Asphalt Pl	Dump Tru	Diesel		600	0.59	64.95082	0.00616	0.018415	6.76E-05	0.000755	0.000695	0.003664	12.3332	
1	2019	Taxiways	Asphalt Pl	Other Gen	Diesel		175	0.43	36.068	0.001307	0.004784	8.82E-06	0.000321	0.000295	0.000593	1.439806	
1	2019	Taxiways	Asphalt Pl	Pickup Tru	Diesel		600	0.59	18.034	0.00171	0.005113	1.88E-05	0.00021	0.000193	0.001056	3.42439	
1	2019	Taxiways	Asphalt Pl	Roller	Diesel		100	0.59	18.034	0.001778	0.001792	3.78E-06	0.000224	0.000206	0.00025	0.633716	
1	2019	Taxiways	Asphalt Pl	Skid Steer	Diesel		75	0.21	18.034	0.001441	0.001511	1.33E-06	0.000213	0.000196	0.000361	0.196908	
1	2019	Taxiways	Asphalt Pl	Surfacing E	Diesel		25	0.59	23.08352	0.000896	0.001673	1.50E-06	0.000133	0.000122	0.000178	0.202493	
1	2019	Taxiways	Clearing ar	Chain Saw	Diesel		11	0.7	40.8	0.101652	0.000458	4.85E-05	0.003376	0.003106	0.025173	0.215513	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	2019	Taxiways	Clearing ar	Chipper/St	Diesel		100	0.43	40.8	0.003507	0.006265	6.79E-06	0.000615	0.000566	0.000803	1.033764	
1	2019	Taxiways	Clearing ar	Pickup Tru	Diesel		600	0.59	54.4	0.00516	0.015423	5.66E-05	0.000633	0.000582	0.003077	10.32976	
1	2019	Taxiways	Concrete F	Air Compr	Diesel		100	0.43	48.0904	0.002828	0.004649	7.54E-06	0.000414	0.000381	0.000542	1.219415	
1	2019	Taxiways	Concrete F	Concrete S	Diesel		40	0.59	48.0904	0.000751	0.004251	3.91E-06	0.000107	9.88E-05	0.000221	0.675994	
1	2019	Taxiways	Concrete F	Concrete T	Diesel		600	0.59	200.3767	0.019004	0.05681	0.000208	0.00233	0.002144	0.011191	38.04857	
1	2019	Taxiways	Concrete F	Other Gen	Diesel		175	0.43	96.1808	0.003485	0.012758	2.35E-05	0.000856	0.000787	0.001506	3.83946	
1	2019	Taxiways	Concrete F	Pickup Tru	Diesel		600	0.59	144.2712	0.013683	0.040903	0.00015	0.001678	0.001543	0.008073	27.39497	
1	2019	Taxiways	Concrete F	Rubber Tir	Diesel		175	0.59	48.0904	0.003046	0.007106	1.59E-05	0.000697	0.000642	0.000979	2.662973	
1	2019	Taxiways	Concrete F	Slip Form I	Diesel		175	0.59	48.0904	0.002786	0.006438	1.57E-05	0.000628	0.000577	0.000946	2.663053	
1	2019	Taxiways	Concrete F	Surfacing E	Diesel		25	0.59	48.0904	0.001867	0.003486	3.13E-06	0.000276	0.000254	0.00037	0.421859	
1	2019	Taxiways	Drainage -	Dozer	Diesel		175	0.59	55.776	0.002739	0.006381	1.78E-05	0.000594	0.000547	0.001038	3.088781	
1	2019	Taxiways	Drainage -	Dump Tru	Diesel		600	0.59	55.776	0.00529	0.015813	5.80E-05	0.000649	0.000597	0.003154	10.59104	
1	2019	Taxiways	Drainage -	Excavator	Diesel		175	0.59	55.776	0.002134	0.005208	1.74E-05	0.000424	0.00039	0.000982	3.088912	
1	2019	Taxiways	Drainage -	Loader	Diesel		175	0.59	55.776	0.003533	0.008241	1.84E-05	0.000809	0.000744	0.001128	3.088558	
1	2019	Taxiways	Drainage -	Other Gen	Diesel		175	0.43	55.776	0.002021	0.007398	1.36E-05	0.000496	0.000456	0.000892	2.226533	
1	2019	Taxiways	Drainage -	Pickup Tru	Diesel		600	0.59	55.776	0.00529	0.015813	5.80E-05	0.000649	0.000597	0.003154	10.59104	
1	2019	Taxiways	Drainage -	Roller	Diesel		100	0.59	55.776	0.005498	0.005541	1.17E-05	0.000692	0.000637	0.000705	1.959974	
1	2019	Taxiways	Drainage -	Dump Tru	Diesel		600	0.59	30.98667	0.002939	0.008785	3.22E-05	0.00036	0.000331	0.001776	5.88391	
1	2019	Taxiways	Drainage -	Loader	Diesel		175	0.59	30.98667	0.001963	0.004578	1.02E-05	0.000449	0.000413	0.000646	1.715866	
1	2019	Taxiways	Drainage -	Other Gen	Diesel		175	0.43	30.98667	0.001123	0.00411	7.58E-06	0.000276	0.000254	0.000516	1.236963	
1	2019	Taxiways	Drainage -	Pickup Tru	Diesel		600	0.59	30.98667	0.002939	0.008785	3.22E-05	0.00036	0.000331	0.001776	5.88391	
1	2019	Taxiways	Drainage -	Tractors/Lo	Diesel		100	0.21	30.98667	0.003058	0.002403	2.94E-06	0.000429	0.000395	0.000606	0.451569	
1	2019	Taxiways	Dust Contr	Water Tru	Diesel		600	0.59	1440	0.136575	0.408266	0.001498	0.016745	0.015405	0.080092	273.4347	
1	2019	Taxiways	Excavation	Dozer	Diesel		175	0.59	80.15067	0.003937	0.00917	2.56E-05	0.000854	0.000786	0.001477	4.438609	
1	2019	Taxiways	Excavation	Dump Tru	Diesel		600	0.59	80.15067	0.007602	0.022724	8.34E-05	0.000932	0.000857	0.004509	15.21943	
1	2019	Taxiways	Excavation	Pickup Tru	Diesel		600	0.59	80.15067	0.007602	0.022724	8.34E-05	0.000932	0.000857	0.004509	15.21943	
1	2019	Taxiways	Excavation	Roller	Diesel		100	0.59	36.99262	0.003646	0.003675	7.76E-06	0.000459	0.000422	0.000479	1.299924	
1	2019	Taxiways	Excavation	Dozer	Diesel		175	0.59	60.113	0.002952	0.006877	1.92E-05	0.000641	0.000589	0.001116	3.328956	
1	2019	Taxiways	Excavation	Dump Tru	Diesel		600	0.59	160.3013	0.015204	0.045448	0.000167	0.001864	0.001715	0.008964	30.43885	
1	2019	Taxiways	Excavation	Excavator	Diesel		175	0.59	48.0904	0.00184	0.00449	1.50E-05	0.000366	0.000337	0.00085	2.663278	
1	2019	Taxiways	Excavation	Pickup Tru	Diesel		600	0.59	48.0904	0.004561	0.013634	5.00E-05	0.000559	0.000514	0.002727	9.131656	
1	2019	Taxiways	Excavation	Roller	Diesel		100	0.59	48.0904	0.00474	0.004778	1.01E-05	0.000597	0.000549	0.000613	1.689901	
1	2019	Taxiways	Excavation	Scraper	Diesel		600	0.59	60.113	0.014664	0.036055	6.90E-05	0.002204	0.002028	0.003841	11.41359	
1	2019	Taxiways	Excavation	Dozer	Diesel		175	0.59	22.6309	0.001112	0.002589	7.23E-06	0.000241	0.000222	0.000442	1.253261	
1	2019	Taxiways	Fencing	Concrete T	Diesel		600	0.59	19.25556	0.001826	0.005459	2.00E-05	0.000224	0.000206	0.001124	3.656346	
1	2019	Taxiways	Fencing	Dump Tru	Diesel		600	0.59	77.02222	0.007305	0.021837	8.01E-05	0.000896	0.000824	0.004335	14.62538	
1	2019	Taxiways	Fencing	Other Gen	Diesel		175	0.43	77.02222	0.002791	0.010217	1.88E-05	0.000685	0.00063	0.001215	3.074665	
1	2019	Taxiways	Fencing	Pickup Tru	Diesel		600	0.59	77.02222	0.007305	0.021837	8.01E-05	0.000896	0.000824	0.004335	14.62538	
1	2019	Taxiways	Fencing	Skid Steer	Diesel		75	0.21	77.02222	0.006156	0.006453	5.68E-06	0.00091	0.000837	0.00129	0.840985	
1	2019	Taxiways	Fencing	Tractors/Lo	Diesel		100	0.21	77.02222	0.007602	0.005972	7.31E-06	0.001067	0.000982	0.001326	1.122445	
1	2019	Taxiways	Grading	Dozer	Diesel		175	0.59	16.4452	0.000808	0.001881	5.25E-06	0.000175	0.000161	0.000331	0.910707	
1	2019	Taxiways	Grading	Grader	Diesel		300	0.59	16.4452	0.000889	0.002823	8.75E-06	0.000145	0.000133	0.00052	1.561281	
1	2019	Taxiways	Grading	Roller	Diesel		100	0.59	16.4452	0.001621	0.001634	3.45E-06	0.000204	0.000188	0.000231	0.577886	
1	2019	Taxiways	Hydroseed	Hydroseed	Diesel		600	0.59	14.8155	0.001405	0.0042	1.54E-05	0.000172	0.000158	0.000877	2.813245	
1	2019	Taxiways	Hydroseed	Off-Road T	Diesel		600	0.59	14.8155	0.001405	0.0042	1.54E-05	0.000172	0.000158	0.000877	2.813245	

1	2019	Taxiways	Lighting	Dump Tru	Diesel	600	0.59	24.10667	0.002286	0.006835	2.51E-05	0.00028	0.000258	0.001394	4.5775	
1	2019	Taxiways	Lighting	Loader	Diesel	175	0.59	24.10667	0.001527	0.003562	7.97E-06	0.00035	0.000322	0.000512	1.33489	
1	2019	Taxiways	Lighting	Other Gen	Diesel	175	0.43	24.10667	0.000874	0.003198	5.90E-06	0.000214	0.000197	0.000411	0.962319	
1	2019	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	24.10667	0.002286	0.006835	2.51E-05	0.00028	0.000258	0.001394	4.5775	
1	2019	Taxiways	Lighting	Skid Steer	Diesel	75	0.21	24.10667	0.001927	0.00202	1.78E-06	0.000285	0.000262	0.000457	0.263214	
1	2019	Taxiways	Lighting	Tractors/L	Diesel	100	0.21	24.10667	0.002379	0.001869	2.29E-06	0.000334	0.000307	0.000498	0.351307	
1	2019	Taxiways	Markings	Flatbed Tr	Diesel	600	0.59	297.0857	0.028177	0.084229	0.000309	0.003455	0.003178	0.016566	56.41219	
1	2019	Taxiways	Markings	Other Gen	Diesel	175	0.43	297.0857	0.010765	0.039407	7.27E-05	0.002643	0.002431	0.004559	11.85942	
1	2019	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	297.0857	0.028177	0.084229	0.000309	0.003455	0.003178	0.016566	56.41219	
1	2019	Taxiways	Soil Erosio	Other Gen	Diesel	175	0.43	13.6	0.000493	0.001804	3.33E-06	0.000121	0.000111	0.000251	0.542901	
1	2019	Taxiways	Soil Erosio	Pickup Tru	Diesel	600	0.59	27.2	0.00258	0.007712	2.83E-05	0.000316	0.000291	0.001566	5.164878	
1	2019	Taxiways	Soil Erosio	Pumps	Diesel	11	0.43	13.6	0.000316	0.00033	2.81E-07	3.07E-05	2.82E-05	4.84E-05	0.03785	
1	2019	Taxiways	Soil Erosio	Tractors/L	Diesel	100	0.21	13.6	0.001342	0.001054	1.29E-06	0.000188	0.000173	0.000334	0.198193	
1	2019	Taxiways	Subbase P	Dozer	Diesel	175	0.59	30.37305	0.001492	0.003475	9.70E-06	0.000324	0.000298	0.000581	1.682008	
1	2019	Taxiways	Subbase P	Dump Tru	Diesel	600	0.59	213.7378	0.020272	0.060598	0.000222	0.002485	0.002287	0.011934	40.58565	
1	2019	Taxiways	Subbase P	Pickup Tru	Diesel	600	0.59	30.37305	0.002881	0.008611	3.16E-05	0.000353	0.000325	0.001742	5.767394	
1	2019	Taxiways	Subbase P	Roller	Diesel	100	0.59	29.59446	0.002917	0.00294	6.21E-06	0.000367	0.000338	0.000389	1.039952	
1	2019	Taxiways	Topsoil Pla	Dozer	Diesel	175	0.59	36.54533	0.001795	0.004181	1.17E-05	0.00039	0.000358	0.000692	2.023819	
1	2019	Taxiways	Topsoil Pla	Dump Tru	Diesel	600	0.59	36.54533	0.003466	0.010361	3.80E-05	0.000425	0.000391	0.002085	6.939419	
1	2019	Taxiways	Topsoil Pla	Pickup Tru	Diesel	600	0.59	36.54533	0.003466	0.010361	3.80E-05	0.000425	0.000391	0.002085	6.939419	
1	2019	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	8.533125	0.000494	0.001142	2.78E-06	0.000111	0.000102	0.000201	0.47253	
1	2019	Terminal A	Asphalt Pla	Dump Tru	Diesel	600	0.59	30.7327	0.002915	0.008713	3.20E-05	0.000357	0.000329	0.001762	5.835685	
1	2019	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	17.06625	0.000618	0.002264	4.17E-06	0.000152	0.00014	0.000304	0.681271	
1	2019	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	8.533125	0.000809	0.002419	8.88E-06	9.92E-05	9.13E-05	0.000528	1.620314	
1	2019	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	8.533125	0.000841	0.000848	1.79E-06	0.000106	9.74E-05	0.000135	0.299855	
1	2019	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	8.533125	0.000682	0.000715	6.29E-07	0.000101	9.27E-05	0.000212	0.093171	
1	2019	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	10.9224	0.000424	0.000792	7.12E-07	6.27E-05	5.77E-05	8.48E-05	0.095813	
1	2019	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	18	0.044847	0.000202	2.14E-05	0.001489	0.00137	0.013196	0.095079	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	2019	Terminal A	Clearing ar	Chipper/Sh	Diesel	100	0.43	18	0.001547	0.002764	3.00E-06	0.000271	0.00025	0.000401	0.456072	
1	2019	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	24	0.002276	0.006804	2.50E-05	0.000279	0.000257	0.001388	4.557245	
1	2019	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	22.7552	0.001338	0.0022	3.57E-06	0.000196	0.00018	0.000274	0.576997	
1	2019	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	22.7552	0.000355	0.002012	1.85E-06	5.08E-05	4.67E-05	0.000105	0.319864	
1	2019	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	94.81333	0.008992	0.026881	9.86E-05	0.001103	0.001014	0.005324	18.00365	
1	2019	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	45.5104	0.001649	0.006037	1.11E-05	0.000405	0.000372	0.000736	1.816739	
1	2019	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	68.2656	0.006475	0.019355	7.10E-05	0.000794	0.00073	0.003848	12.96263	
1	2019	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	22.7552	0.001441	0.003362	7.52E-06	0.00033	0.000304	0.000486	1.260054	
1	2019	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	22.7552	0.001318	0.003046	7.42E-06	0.000297	0.000273	0.000469	1.260091	
1	2019	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	22.7552	0.000883	0.00165	1.48E-06	0.000131	0.00012	0.000176	0.199613	
1	2019	Terminal A	Drainage -	Dozer	Diesel	175	0.59	12.32	0.000605	0.001409	3.93E-06	0.000131	0.000121	0.000256	0.682261	
1	2019	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	12.32	0.001168	0.003493	1.28E-05	0.000143	0.000132	0.000739	2.339386	
1	2019	Terminal A	Drainage -	Excavator	Diesel	175	0.59	12.32	0.000471	0.00115	3.83E-06	9.37E-05	8.62E-05	0.000237	0.68229	
1	2019	Terminal A	Drainage -	Loader	Diesel	175	0.59	12.32	0.00078	0.00182	4.07E-06	0.000179	0.000164	0.000283	0.682212	
1	2019	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	12.32	0.000446	0.001634	3.01E-06	0.00011	0.000101	0.000232	0.491804	
1	2019	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	12.32	0.001168	0.003493	1.28E-05	0.000143	0.000132	0.000739	2.339386	
1	2019	Terminal A	Drainage -	Roller	Diesel	100	0.59	12.32	0.001214	0.001224	2.58E-06	0.000153	0.000141	0.000181	0.432926	
1	2019	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	6.844444	0.000649	0.001941	7.12E-06	7.96E-05	7.32E-05	0.000434	1.299659	
1	2019	Terminal A	Drainage -	Loader	Diesel	175	0.59	6.844444	0.000434	0.001011	2.26E-06	9.93E-05	9.13E-05	0.000177	0.379006	
1	2019	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	6.844444	0.000248	0.000908	1.67E-06	6.09E-05	5.60E-05	0.000149	0.273225	
1	2019	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	6.844444	0.000649	0.001941	7.12E-06	7.96E-05	7.32E-05	0.000434	1.299659	
1	2019	Terminal A	Drainage -	Tractors/L	Diesel	100	0.21	6.844444	0.000676	0.000531	6.49E-07	9.48E-05	8.72E-05	0.000228	0.099744	
1	2019	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.136575	0.408266	0.001498	0.016745	0.015405	0.080092	273.4347	
1	2019	Terminal A	Excavation	Dozer	Diesel	175	0.59	37.92533	0.001863	0.004339	1.21E-05	0.000404	0.000372	0.000717	2.100241	
1	2019	Terminal A	Excavation	Dump Tru	Diesel	600	0.59	37.92533	0.003597	0.010753	3.95E-05	0.000441	0.000406	0.002162	7.20146	
1	2019	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	37.92533	0.003597	0.010753	3.95E-05	0.000441	0.000406	0.002162	7.20146	
1	2019	Terminal A	Excavation	Roller	Diesel	100	0.59	17.504	0.001725	0.001739	3.67E-06	0.000217	0.0002	0.000244	0.615092	
1	2019	Terminal A	Excavation	Dozer	Diesel	175	0.59	28.444	0.001397	0.003254	9.08E-06	0.000303	0.000279	0.000547	1.575181	
1	2019	Terminal A	Excavation	Dump Tru	Diesel	600	0.59	75.85067	0.007194	0.021505	7.89E-05	0.000882	0.000811	0.00427	14.40292	
1	2019	Terminal A	Excavation	Excavator	Diesel	175	0.59	22.7552	0.000871	0.002125	7.08E-06	0.000173	0.000159	0.000416	1.260198	
1	2019	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	22.7552	0.002158	0.006452	2.37E-05	0.000265	0.000243	0.001319	4.320876	
1	2019	Terminal A	Excavation	Roller	Diesel	100	0.59	22.7552	0.002243	0.002261	4.77E-06	0.000282	0.00026	0.000307	0.79962	
1	2019	Terminal A	Excavation	Scraper	Diesel	600	0.59	28.444	0.006939	0.01706	3.26E-05	0.001043	0.00096	0.001893	5.400633	
1	2019	Terminal A	Excavation	Dozer	Diesel	175	0.59	10.70824	0.000526	0.001225	3.42E-06	0.000114	0.000105	0.000227	0.593004	
1	2019	Terminal A	Fencing	Concrete T	Diesel	600	0.59	4.166667	0.000395	0.001181	4.33E-06	4.85E-05	4.46E-05	0.000285	0.791188	
1	2019	Terminal A	Fencing	Dump Tru	Diesel	600	0.59	16.66667	0.001581	0.004725	1.73E-05	0.000194	0.000178	0.00098	3.164754	
1	2019	Terminal A	Fencing	Other Gen	Diesel	175	0.43	16.66667	0.000604	0.002211	4.08E-06	0.000148	0.000136	0.000298	0.66532	
1	2019	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	16.66667	0.001581	0.004725	1.73E-05	0.000194	0.000178	0.00098	3.164754	
1	2019	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	16.66667	0.001332	0.001396	1.23E-06	0.000197	0.000181	0.00034	0.181979	
1	2019	Terminal A	Fencing	Tractors/L	Diesel	100	0.21	16.66667	0.001645	0.001292	1.58E-06	0.000231	0.000212	0.000382	0.242883	
1	2019	Terminal A	Grading	Dozer	Diesel	175	0.59	7.4359	0.000365	0.000851	2.37E-06	7.93E-05	7.29E-05	0.000169	0.411788	
1	2019	Terminal A	Grading	Grader	Diesel	300	0.59	7.4359	0.000402	0.001276	3.95E-06	6.54E-05	6.02E-05	0.000255	0.705952	
1	2019	Terminal A	Grading	Roller	Diesel	100	0.59	7.4359	0.000733	0.000739	1.56E-06	9.23E-05	8.49E-05	0.000122	0.261298	
1	2019	Terminal A	Hydroseed	Hydroseed	Diesel	600	0.59	6.699	0.000635	0.001899	6.97E-06	7.79E-05	7.17E-05	0.000426	1.272041	
1	2019	Terminal A	Hydroseed	Off-Road T	Diesel	600	0.59	6.699	0.000635	0.001899	6.97E-06	7.79E-05	7.17E-05	0.000426	1.272041	
1	2019	Terminal A	Lighting	Dump Tru	Diesel	600	0.59	7.186667	0.000682	0.002038	7.48E-06	8.36E-05	7.69E-05	0.000453	1.364642	
1	2019	Terminal A	Lighting	Loader	Diesel	175	0.59	7.186667	0.000455	0.001062	2.37E-06	0.000104	9.59E-05	0.000183	0.397957	
1	2019	Terminal A	Lighting	Other Gen	Diesel	175	0.43	7.186667	0.00026	0.000953	1.76E-06	6.39E-05	5.88E-05	0.000154	0.286886	
1	2019	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	7.186667	0.000682	0.002038	7.48E-06	8.36E-05	7.69E-05	0.000453	1.364642	
1	2019	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	7.186667	0.000574	0.000602	5.30E-07	8.49E-05	7.81E-05	0.000191	0.078469	
1	2019	Terminal A	Lighting	Tractors/L	Diesel	100	0.21	7.186667	0.000709	0.000557	6.82E-07	9.96E-05	9.16E-05	0.000234	0.104731	
1	2019	Terminal A	Markings	Flatbed Tr	Diesel	600	0.59	140.5714	0.013332	0.039854	0.000146	0.001635	0.001504	0.007867	26.69244	
1	2019	Terminal A	Markings	Other Gen	Diesel	175	0.43	140.5714	0.005094	0.018646	3.44E-05	0.001251	0.00115	0.002181	5.611498	
1	2019	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	140.5714	0.013332	0.039854	0.000146	0.001635	0.001504	0.007867	26.69244	
1	2019	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	18.204	0.001727	0.005161	1.89E-05	0.000212	0.000195	0.001066	3.456671	
1	2019	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	18.204	0.00066	0.002415	4.45E-06	0.000162	0.000149	0.000321	0.726689	
1	2019	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	18.204	0.001727	0.005161	1.89E-05	0.000212	0.000195	0.001066	3.456671	
1	2019	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	6	0.000217	0.000796	1.47E-06	5.34E-05	4.91E-05	0.000136	0.239515	
1	2019	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	12	0.001138	0.003402	1.25E-05	0.00014	0.000128	0.000721	2.278623	
1	2019	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	6	0.00014	0.000146	1.24E-07	1.35E-05	1.25E-05	2.26E-05	0.016699	
1	2019	Terminal A	Soil Erosio	Tractors/L	Diesel	100	0.21	6	0.000592	0.000465	5.69E-07	8.31E-05	7.65E-05	0.000215	0.087438	
1	2019	Terminal A	Subbase P	Dozer	Diesel	175	0.59	14.37158	0.000706	0.001644	4.59E-06	0.000153	0.000141	0.000293	0.795874	
1	2019	Terminal A	Subbase P	Dump Tru	Diesel	600	0.59	101.1333	0.009592	0.028673	0.000105	0.001176	0.001082	0.005675	19.20373	
1	2019	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	14.37158	0.001363	0.004075	1.50E-05	0.000167	0.000154	0.000853	2.728951	
1	2019	Terminal A	Subbase P	Roller	Diesel	100	0.59	14.00308	0.00138	0.001391	2.94E-06	0.000174	0.00016	0.000201	0.492069	
1	2019	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	16.524	0.000812	0.00189	5.28E-06	0.000176	0.000162	0.000332	0.915071	
1	2019	Terminal A	Topsoil Pla	Dump Tru	Diesel	600	0.59	16.524	0.001567	0.004685	1.72E-05	0.000192	0.000177	0.000972	3.137663	
1	2019	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	16.524	0.001567	0.004685	1.72E-05	0.000192	0.000177	0.000972	3.137663	
2	2019	Building - :	Concrete F	Backhoe	Diesel	100	0.21	480	0.047376	0.037218	4.55E-05	0.006651	0.006119	0.007588	6.995044	
2	2019	Building - :	Concrete F	Concrete F	Diesel	11	0.43	180	0.004188	0.004365	3.72E-06	0.000406	0.000374	0.000613	0.500961	
2	2019	Building - :	Concrete F	Concrete F	Diesel	600	0.59	360	0.034144	0.102066	0.000375	0.004186	0.003851	0.020047	68.35869	
2	2019	Building - :	Concrete F	Excavator	Diesel	175	0.59	160	0.006121	0.014939	4.98E-05	0.001217	0.00112	0.00276	8.860905	
2	2019	Building - :	Concrete F	Fork Truck	Diesel	100	0.59	480	0.015196	0.013885	9.06E-05	0.000804	0.000739	0.004402	16.87107	
2	2019	Building - :	Concrete F	Tool Truck	Diesel	600	0.59	120	0.011381	0.034022	0.000125	0.001395	0.001284	0.006707	22.78623	
2	2019	Building - :	Concrete F	Tractor Tr	Diesel	600	0.59	240	0.022763	0.068044	0.00025	0.002791	0.002568	0.013377	45.57246	
2	2019	Building - :	Constructi	Survey Cre	Diesel	600	0.59	10	0.000948	0.002835	1.04E-05	0.000116	0.000107	0.000593	1.898852	
2	2019	Building - :	Constructi	Tractor Tr	Diesel	600	0.59	4	0.000379	0.001134	4.16E-06	4.65E-05	4.28E-05	0.000259	0.759541	
2	2019	Building - :	Exterior W	Fork Truck	Diesel	100	0.59	840	0.026593	0.024298	0.000159	0.001406	0.001294	0.007702	29.52437	
2	2019	Building - :	Exterior W	Generator	Diesel	40	0.43	80	0.001952	0.006305	5.28E-06	0.000377	0.000347	0.000524	0.81093	
2	2019	Building - :	Exterior W	Grout Mix	Diesel	600	0.59	420	0.17651	0.412766	0.000511	0.025156	0.023143	0.032667	79.72656	
2	2019	Building - :	Exterior W	Grout Wh	Diesel	600	0.59	160	0.015175	0.045363	0.000166	0.001861	0.001712	0.00893	30.38164	
2	2019	Building - :	Exterior W	Man Lift	Diesel	75	0.21	1680	0.12289	0.143431	0.000124	0.017009	0.015649	0.024769	18.34812	
2	2019	Building - :	Exterior W	Tool Truck	Diesel	600	0.59	420	0.039834	0.119077	0.000437	0.004884	0.004493	0.023382	79.7518	
2	2019	Building - :	Exterior W	Tractor Tr	Diesel	600	0.59	840	0.079669	0.238155	0.000874	0.009768	0.008986	0.046726	159.5036	
2	2019	Building - :	Exterior W	Truck Tow	Diesel	300	0.43	80	0.003172	0.01437	3.22E-05	0.000627	0.000577	0.001889	5.47528	
2	2019	Building - :	Interior Bu	Fork Truck	Diesel	100	0.59	1600	0.050653	0.046282	0.000302	0.002679	0.002464	0.014668	56.23689	
2	2019	Building - :	Interior Bu	Man Lift	Diesel	75	0.21	3200	0.234076	0.273201	0.000236	0.032399	0.029807	0.047158	34.94879	
2	2019	Building - :	Interior Bu	Tool Truck	Diesel	600	0.59	1600	0.15175	0.453628	0.001665	0.018605	0.017117	0.088969	303.8164	
2	2019	Building - :	Interior Bu	Tractor Tr	Diesel	600	0.59	1600	0.15175	0.453628	0.001665	0.018605	0.017117	0.088969	303.8164	
2	2019	Building - :	Roofing	High Lift	Diesel	100	0.59	160	0.005065	0.004628	3.02E-05	0.000268	0.000246	0.001469	5.623689	
2	2019	Building - :	Roofing	Man Lift	Diesel	75	0.21	40	0.002926	0.003415	2.95E-06	0.000405	0.000373	0.000613	0.43686	
2	2019	Building - :	Roofing	Material D	Diesel	600	0.59	60	0.005691	0.017011	6.24E-05	0.000698	0.000642	0.003372	11.39311	
2	2019	Building - :	Roofing	Tractor Tr	Diesel	600	0.59	40	0.003794	0.011341	4.16E-05	0.000465	0.000428	0.00226	7.59541	
2	2019	Building - :	Roofing	Truck Tow	Diesel	300	0.43	120	0.004758	0.021555	4.83E-05	0.000941	0.000866	0.002813	8.21292	
2	2019	Building - :	Security &	High Lift	Diesel	100	0.59	800	0.025326	0.023141	0.000151	0.001339	0.001232	0.007335	28.11845	
2	2019	Building - :	Security &	Tool Truck	Diesel	600	0.59	800	0.075875	0.226814	0.000832	0.009303	0.008558	0.044503	151.9082	
2	2019	Building - :	Structural	90 Ton Cra	Diesel	300	0.43	240	0.009515	0.043111	9.65E-05	0.001882	0.001732	0.005585	16.42584	
2	2019	Building - :	Structural	Concrete F	Diesel	11	0.43	60	0.001396	0.001455	1.24E-06	0.000135	0.000125	0.000206	0.166987	
2	2019	Building - :	Structural	Concrete T	Diesel	600	0.59	60	0.005691	0.017011	6.24E-05	0.000698	0.000642	0.003372	11.39311	
2	2019	Building - :	Structural	Fork Truck	Diesel	100	0.59	640	0.020261	0.018513	0.000121	0.001071	0.000986	0.005869	22.49476	
2	2019	Building - :	Structural	Tool Truck	Diesel	600	0.59	160	0.015175	0.045363	0.000166	0.001861	0.001712	0.00893	30.38164	
2	2019	Building - :	Structural	Tractor Tr	Diesel	600	0.59	360	0.034144	0.102066	0.000375	0.004186	0.003851	0.020047	68.35869	
2	2019	Building - :	Structural	Trowel Ma	Diesel	600	0.59	40	0.016811	0.039311	4.87E-05	0.002396	0.002204	0.003235	7.593006	
2	2019	Building - :	Structural	Truck Tow	Diesel	300	0.43	720	0.028546	0.129333	0.00029	0.005647	0.005196	0.016676	49.27752	
2	2019	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	8.533125	0.000494	0.001142	2.78E-06	0.000111	0.000102	0.000188	0.47253	
2	2019	Terminal A	Asphalt Pla	Dump Tru	Diesel	600	0.59	30.7327	0.002915	0.008713	3.20E-05	0.000357	0.000329	0.001745	5.835686	
2	2019	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	17.06625	0.000618	0.002264	4.17E-06	0.000152	0.00014	0.00029	0.681271	
2	2019	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	8.533125	0.000809	0.002419	8.88E-06	9.92E-05	9.13E-05	0.000511	1.620315	
2	2019	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	8.533125	0.000841	0.000848	1.79E-06	0.000106	9.74E-05	0.000125	0.299855	
2	2019	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	8.533125	0.000682	0.000715	6.29E-07	0.000101	9.27E-05	0.000188	0.093171	
2	2019	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	10.9224	0.000424	0.000792	7.12E-07	6.27E-05	5.77E-05	8.45E-05	0.095813	
2	2019	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	18	0.044847	0.000202	2.14E-05	0.001489	0.00137	0.013116	0.095079	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	2019	Terminal A	Clearing ar	Chipper/Sh	Diesel	100	0.43	18	0.001547	0.002764	3.00E-06	0.000271	0.00025	0.000328	0.456072	
2	2019	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	24	0.002276	0.006804	2.50E-05	0.000279	0.000257	0.001371	4.557246	

2	2019	Terminal /	Concrete F	Air Compr	Diesel	100	0.43	22.7552	0.001338	0.0022	3.57E-06	0.000196	0.00018	0.000274	0.576997	
2	2019	Terminal /	Concrete F	Concrete S	Diesel	40	0.59	22.7552	0.000355	0.002012	1.85E-06	5.08E-05	4.67E-05	0.000104	0.319864	
2	2019	Terminal /	Concrete F	Concrete T	Diesel	600	0.59	94.81333	0.008992	0.026881	9.86E-05	0.001103	0.001014	0.005307	18.00365	
2	2019	Terminal /	Concrete F	Other Gen	Diesel	175	0.43	45.5104	0.001649	0.006037	1.11E-05	0.000405	0.000372	0.000722	1.816738	
2	2019	Terminal /	Concrete F	Pickup Tru	Diesel	600	0.59	68.2656	0.006475	0.019355	7.10E-05	0.000794	0.00073	0.003832	12.96263	
2	2019	Terminal /	Concrete F	Rubber Tir	Diesel	175	0.59	22.7552	0.001441	0.003362	7.52E-06	0.00033	0.000304	0.000473	1.260054	
2	2019	Terminal /	Concrete F	Slip Form I	Diesel	175	0.59	22.7552	0.001318	0.003046	7.42E-06	0.000297	0.000273	0.000456	1.260091	
2	2019	Terminal /	Concrete F	Surfacing E	Diesel	25	0.59	22.7552	0.000883	0.00165	1.48E-06	0.000131	0.00012	0.000175	0.199613	
2	2019	Terminal /	Drainage -	Dozer	Diesel	175	0.59	12.32	0.000605	0.001409	3.93E-06	0.000131	0.000121	0.000246	0.682261	
2	2019	Terminal /	Drainage -	Dump Tru	Diesel	600	0.59	12.32	0.001168	0.003493	1.28E-05	0.000143	0.000132	0.000722	2.339386	
2	2019	Terminal /	Drainage -	Excavator	Diesel	175	0.59	12.32	0.000471	0.00115	3.83E-06	9.37E-05	8.62E-05	0.000229	0.68229	
2	2019	Terminal /	Drainage -	Loader	Diesel	175	0.59	12.32	0.00078	0.00182	4.07E-06	0.000179	0.000164	0.00027	0.682212	
2	2019	Terminal /	Drainage -	Other Gen	Diesel	175	0.43	12.32	0.000446	0.001634	3.01E-06	0.00011	0.000101	0.000218	0.491804	
2	2019	Terminal /	Drainage -	Pickup Tru	Diesel	600	0.59	12.32	0.001168	0.003493	1.28E-05	0.000143	0.000132	0.000722	2.339386	
2	2019	Terminal /	Drainage -	Roller	Diesel	100	0.59	12.32	0.001214	0.001224	2.58E-06	0.000153	0.000141	0.000171	0.432926	
2	2019	Terminal /	Drainage -	Dump Tru	Diesel	600	0.59	6.844444	0.000649	0.001941	7.12E-06	7.96E-05	7.32E-05	0.000418	1.299659	
2	2019	Terminal /	Drainage -	Loader	Diesel	175	0.59	6.844444	0.000434	0.001011	2.26E-06	9.93E-05	9.13E-05	0.000163	0.379006	
2	2019	Terminal /	Drainage -	Other Gen	Diesel	175	0.43	6.844444	0.000248	0.000908	1.67E-06	6.09E-05	5.60E-05	0.000135	0.273225	
2	2019	Terminal /	Drainage -	Pickup Tru	Diesel	600	0.59	6.844444	0.000649	0.001941	7.12E-06	7.96E-05	7.32E-05	0.000418	1.299659	
2	2019	Terminal /	Drainage -	Tractors/Lo	Diesel	100	0.21	6.844444	0.000676	0.000531	6.49E-07	9.48E-05	8.72E-05	0.000191	0.099744	
2	2019	Terminal /	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.136575	0.408266	0.001498	0.016745	0.015405	0.080075	273.4348	
2	2019	Terminal /	Excavation	Dozer	Diesel	175	0.59	37.92533	0.001863	0.004339	1.21E-05	0.000404	0.000372	0.000706	2.100241	
2	2019	Terminal /	Excavation	Dump Tru	Diesel	600	0.59	37.92533	0.003597	0.010753	3.95E-05	0.000441	0.000406	0.002145	7.201461	
2	2019	Terminal /	Excavation	Pickup Tru	Diesel	600	0.59	37.92533	0.003597	0.010753	3.95E-05	0.000441	0.000406	0.002145	7.201461	
2	2019	Terminal /	Excavation	Roller	Diesel	100	0.59	17.504	0.001725	0.001739	3.67E-06	0.000217	0.0002	0.000234	0.615092	
2	2019	Terminal /	Excavation	Dozer	Diesel	175	0.59	28.444	0.001397	0.003254	9.08E-06	0.000303	0.000279	0.000536	1.575181	
2	2019	Terminal /	Excavation	Dump Tru	Diesel	600	0.59	75.85067	0.007194	0.021505	7.89E-05	0.000882	0.000811	0.004253	14.40292	
2	2019	Terminal /	Excavation	Excavator	Diesel	175	0.59	22.7552	0.000871	0.002125	7.08E-06	0.000173	0.000159	0.000408	1.260198	
2	2019	Terminal /	Excavation	Pickup Tru	Diesel	600	0.59	22.7552	0.002158	0.006452	2.37E-05	0.000265	0.000243	0.001302	4.320877	
2	2019	Terminal /	Excavation	Roller	Diesel	100	0.59	22.7552	0.002243	0.002261	4.77E-06	0.000282	0.00026	0.000297	0.79962	
2	2019	Terminal /	Excavation	Scraper	Diesel	600	0.59	28.444	0.006939	0.01706	3.26E-05	0.001043	0.00096	0.001849	5.400633	
2	2019	Terminal /	Excavation	Dozer	Diesel	175	0.59	10.70824	0.000526	0.001225	3.42E-06	0.000114	0.000105	0.000217	0.593004	
2	2019	Terminal /	Fencing	Concrete T	Diesel	600	0.59	4.166667	0.000395	0.001181	4.33E-06	4.85E-05	4.46E-05	0.000269	0.791189	
2	2019	Terminal /	Fencing	Dump Tru	Diesel	600	0.59	16.66667	0.001581	0.004725	1.73E-05	0.000194	0.000178	0.000964	3.164754	
2	2019	Terminal /	Fencing	Other Gen	Diesel	175	0.43	16.66667	0.000604	0.002211	4.08E-06	0.000148	0.000136	0.000284	0.66532	
2	2019	Terminal /	Fencing	Pickup Tru	Diesel	600	0.59	16.66667	0.001581	0.004725	1.73E-05	0.000194	0.000178	0.000964	3.164754	
2	2019	Terminal /	Fencing	Skid Steer	Diesel	75	0.21	16.66667	0.001332	0.001396	1.23E-06	0.000197	0.000181	0.000316	0.181979	
2	2019	Terminal /	Fencing	Tractors/Lo	Diesel	100	0.21	16.66667	0.001645	0.001292	1.58E-06	0.000231	0.000212	0.000345	0.242883	
2	2019	Terminal /	Grading	Dozer	Diesel	175	0.59	7.4359	0.000365	0.000851	2.37E-06	7.93E-05	7.29E-05	0.000158	0.411788	
2	2019	Terminal /	Grading	Grader	Diesel	300	0.59	7.4359	0.000402	0.001276	3.95E-06	6.54E-05	6.02E-05	0.000244	0.705952	
2	2019	Terminal /	Grading	Roller	Diesel	100	0.59	7.4359	0.000733	0.000739	1.56E-06	9.23E-05	8.49E-05	0.000112	0.261298	
2	2019	Terminal /	Hydroseed	Hydroseec	Diesel	600	0.59	6.699	0.000635	0.001899	6.97E-06	7.79E-05	7.17E-05	0.00041	1.272041	
2	2019	Terminal /	Hydroseed	Off-Road T	Diesel	600	0.59	6.699	0.000635	0.001899	6.97E-06	7.79E-05	7.17E-05	0.00041	1.272041	
2	2019	Terminal /	Lighting	Dump Tru	Diesel	600	0.59	7.186667	0.000682	0.002038	7.48E-06	8.36E-05	7.69E-05	0.000437	1.364642	
2	2019	Terminal /	Lighting	Loader	Diesel	175	0.59	7.186667	0.000455	0.001062	2.37E-06	0.000104	9.59E-05	0.00017	0.397957	
2	2019	Terminal /	Lighting	Other Gen	Diesel	175	0.43	7.186667	0.00026	0.000953	1.76E-06	6.39E-05	5.88E-05	0.00014	0.286886	
2	2019	Terminal /	Lighting	Pickup Tru	Diesel	600	0.59	7.186667	0.000682	0.002038	7.48E-06	8.36E-05	7.69E-05	0.000437	1.364642	
2	2019	Terminal /	Lighting	Skid Steer	Diesel	75	0.21	7.186667	0.000574	0.000602	5.30E-07	8.49E-05	7.81E-05	0.000167	0.078469	
2	2019	Terminal /	Lighting	Tractors/Lo	Diesel	100	0.21	7.186667	0.000709	0.000557	6.82E-07	9.96E-05	9.16E-05	0.000196	0.104731	
2	2019	Terminal /	Markings	Flatbed Tr	Diesel	600	0.59	140.5714	0.013332	0.039854	0.000146	0.001635	0.001504	0.00785	26.69244	
2	2019	Terminal /	Markings	Other Gen	Diesel	175	0.43	140.5714	0.005094	0.018646	3.44E-05	0.001251	0.00115	0.002167	5.611498	
2	2019	Terminal /	Markings	Pickup Tru	Diesel	600	0.59	140.5714	0.013332	0.039854	0.000146	0.001635	0.001504	0.00785	26.69244	
2	2019	Terminal /	Sealing/Fu	Distributin	Diesel	600	0.59	18.204	0.001727	0.005161	1.89E-05	0.000212	0.000195	0.001049	3.456671	
2	2019	Terminal /	Sealing/Fu	Other Gen	Diesel	175	0.43	18.204	0.00066	0.002415	4.45E-06	0.000162	0.000149	0.000307	0.726689	
2	2019	Terminal /	Sealing/Fu	Pickup Tru	Diesel	600	0.59	18.204	0.001727	0.005161	1.89E-05	0.000212	0.000195	0.001049	3.456671	
2	2019	Terminal /	Soil Erosio	Other Gen	Diesel	175	0.43	6	0.000217	0.000796	1.47E-06	5.34E-05	4.91E-05	0.000122	0.239515	
2	2019	Terminal /	Soil Erosio	Pickup Tru	Diesel	600	0.59	12	0.001138	0.003402	1.25E-05	0.00014	0.000128	0.000704	2.278623	
2	2019	Terminal /	Soil Erosio	Pumps	Diesel	11	0.43	6	0.00014	0.000146	1.24E-07	1.35E-05	1.25E-05	2.27E-05	0.016699	
2	2019	Terminal /	Soil Erosio	Tractors/Lo	Diesel	100	0.21	6	0.000592	0.000465	5.69E-07	8.31E-05	7.65E-05	0.000178	0.087438	
2	2019	Terminal /	Subbase P	Dozer	Diesel	175	0.59	14.37158	0.000706	0.001644	4.59E-06	0.000153	0.000141	0.000283	0.795874	
2	2019	Terminal /	Subbase P	Dump Tru	Diesel	600	0.59	101.1333	0.009592	0.028673	0.000105	0.001176	0.001082	0.005658	19.20373	
2	2019	Terminal /	Subbase P	Pickup Tru	Diesel	600	0.59	14.37158	0.001363	0.004075	1.50E-05	0.000167	0.000154	0.000836	2.728951	
2	2019	Terminal /	Subbase P	Roller	Diesel	100	0.59	14.00308	0.00138	0.001391	2.94E-06	0.000174	0.00016	0.000191	0.492069	
2	2019	Terminal /	Topsoil Pla	Dozer	Diesel	175	0.59	16.524	0.000812	0.00189	5.28E-06	0.000176	0.000162	0.000321	0.915071	
2	2019	Terminal /	Topsoil Pla	Dump Tru	Diesel	600	0.59	16.524	0.001567	0.004685	1.72E-05	0.000192	0.000177	0.000956	3.137664	
2	2019	Terminal /	Topsoil Pla	Pickup Tru	Diesel	600	0.59	16.524	0.001567	0.004685	1.72E-05	0.000192	0.000177	0.000956	3.137664	
3	2020	Access Ro	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	7.19275	0.000358	0.000822	2.30E-06	7.72E-05	7.10E-05	0.000163	0.398318	
3	2020	Access Ro	Asphalt Pl	Dump Tru	Diesel	600	0.59	25.90523	0.002221	0.006352	2.68E-05	0.000256	0.000236	0.001474	4.919042	
3	2020	Access Ro	Asphalt Pl	Other Gen	Diesel	175	0.43	14.3855	0.000458	0.001672	3.45E-06	0.00011	0.000101	0.000247	0.574282	
3	2020	Access Ro	Asphalt Pl	Pickup Tru	Diesel	600	0.59	7.19275	0.000617	0.001764	7.43E-06	7.11E-05	6.54E-05	0.000439	1.365803	
3	2020	Access Ro	Asphalt Pl	Roller	Diesel	100	0.59	7.19275	0.00061	0.000611	1.48E-06	7.32E-05	6.74E-05	0.000109	0.252766	
3	2020	Access Ro	Asphalt Pl	Skid Steer	Diesel	75	0.21	7.19275	0.000537	0.000584	5.24E-07	7.85E-05	7.22E-05	0.000157	0.078559	
3	2020	Access Ro	Asphalt Pl	Surfacing E	Diesel	25	0.59	9.20672	0.000356	0.000668	6.00E-07	5.29E-05	4.86E-05	7.14E-05	0.080763	
3	2020	Access Ro	Clearing ar	Chain Saw	Diesel	11	0.7	20.4	0.050826	0.000229	2.43E-05	0.001688	0.001553	0.014457	0.107756	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	2020	Access Ro	Clearing ar	Chipper/St	Diesel	100	0.43	20.4	0.001641	0.002914	3.35E-06	0.000284	0.000262	0.000414	0.516942	
3	2020	Access Ro	Clearing ar	Pickup Tru	Diesel	600	0.59	27.2	0.002332	0.006669	2.81E-05	0.000269	0.000247	0.001545	5.1649	
3	2020	Access Ro	Concrete F	Air Compr	Diesel	100	0.43	19.1808	0.001004	0.001631	2.95E-06	0.000144	0.000132	0.000218	0.486398	
3	2020	Access Ro	Concrete F	Concrete S	Diesel	40	0.59	19.1808	0.000261	0.001653	1.53E-06	3.57E-05	3.28E-05	8.41E-05	0.269631	
3	2020	Access Ro	Concrete F	Concrete T	Diesel	600	0.59	79.92	0.006852	0.019595	8.26E-05	0.00079	0.000727	0.00446	15.17569	
3	2020	Access Ro	Concrete F	Other Gen	Diesel	175	0.43	38.3616	0.001221	0.004458	9.19E-06	0.000294	0.00027	0.000596	1.53143	
3	2020	Access Ro	Concrete F	Pickup Tru	Diesel	600	0.59	57.5424	0.004934	0.014109	5.95E-05	0.000569	0.000523	0.003223	10.9265	
3	2020	Access Ro	Concrete F	Rubber Tir	Diesel	175	0.59	19.1808	0.001044	0.002437	6.21E-06	0.00023	0.000212	0.000395	1.06216	
3	2020	Access Ro	Concrete F	Slip Form I	Diesel	175	0.59	19.1808	0.000954	0.002192	6.14E-06	0.000206	0.000189	0.000382	1.062188	
3	2020	Access Ro	Concrete F	Surfacing E	Diesel	25	0.59	19.1808	0.000742	0.001391	1.25E-06	0.00011	0.000101	0.000148	0.168258	
3	2020	Access Ro	Curbing	Concrete T	Diesel	600	0.59	86.4	0.007408	0.021184	8.93E-05	0.000854	0.000786	0.004818	16.40615	
3	2020	Access Ro	Curbing	Curb/Gutt	Diesel	175	0.59	86.4	0.004296	0.009872	2.76E-05	0.000927	0.000853	0.001607	4.78463	
3	2020	Access Ro	Curbing	Other Gen	Diesel	175	0.43	86.4	0.00275	0.01004	2.07E-05	0.000662	0.000609	0.001296	3.449167	
3	2020	Access Ro	Curbing	Pickup Tru	Diesel	600	0.59	86.4	0.007408	0.021184	8.93E-05	0.000854	0.000786	0.004818	16.40615	
3	2020	Access Ro	Drainage -	Dozer	Diesel	175	0.59	69.44	0.00293	0.00676	2.18E-05	0.000603	0.000555	0.001244	3.84556	
3	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	69.44	0.005954	0.017026	7.18E-05	0.000687	0.000632	0.00388	13.18569	
3	2020	Access Ro	Drainage -	Excavator	Diesel	175	0.59	69.44	0.00231	0.005542	2.13E-05	0.000428	0.000394	0.001189	3.84569	
3	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	69.44	0.003779	0.008824	2.25E-05	0.000833	0.000767	0.001337	3.845325	
3	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	69.44	0.00221	0.008069	1.66E-05	0.000532	0.000489	0.001049	2.772108	
3	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	69.44	0.005954	0.017026	7.18E-05	0.000687	0.000632	0.00388	13.18569	
3	2020	Access Ro	Drainage -	Roller	Diesel	100	0.59	69.44	0.005888	0.0059	1.43E-05	0.000707	0.000651	0.000823	2.44024	
3	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	38.57778	0.003308	0.009459	3.99E-05	0.000381	0.000351	0.002174	7.325382	
3	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	38.57778	0.002099	0.004902	1.25E-05	0.000463	0.000426	0.000758	2.136292	
3	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	38.57778	0.001228	0.004483	9.24E-06	0.000296	0.000272	0.0006	1.54006	
3	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	38.57778	0.003308	0.009459	3.99E-05	0.000381	0.000351	0.002174	7.325382	
3	2020	Access Ro	Drainage -	Tractors/Lo	Diesel	100	0.21	38.57778	0.003546	0.002745	3.61E-06	0.000489	0.00045	0.000663	0.562331	
3	2020	Access Ro	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.123467	0.353072	0.001488	0.014237	0.013098	0.07965	273.4359	
3	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	31.968	0.001349	0.003112	1.00E-05	0.000278	0.000255	0.000587	1.770376	
3	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	31.968	0.002741	0.007838	3.30E-05	0.000316	0.000291	0.001809	6.070277	
3	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	31.968	0.002741	0.007838	3.30E-05	0.000316	0.000291	0.001809	6.070277	
3	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	14.75446	0.001251	0.001254	3.03E-06	0.00015	0.000138	0.000196	0.518497	
3	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	23.976	0.001012	0.002334	7.53E-06	0.000208	0.000191	0.000447	1.327782	
3	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	63.936	0.005482	0.015676	6.61E-05	0.000632	0.000582	0.003576	12.14055	
3	2020	Access Ro	Excavation	Excavator	Diesel	175	0.59	19.1808	0.000638	0.001531	5.90E-06	0.000118	0.000109	0.000343	1.062261	
3	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	19.1808	0.001645	0.004703	1.98E-05	0.00019	0.000174	0.001102	3.642166	
3	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	19.1808	0.001626	0.00163	3.94E-06	0.000195	0.00018	0.000246	0.674046	
3	2020	Access Ro	Excavation	Scraper	Diesel	600	0.59	23.976	0.005099	0.01267	2.70E-05	0.000753	0.000693	0.001564	4.552383	
3	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	9.026196	0.000381	0.000879	2.84E-06	7.84E-05	7.21E-05	0.000185	0.499867	
3	2020	Access Ro	Fencing	Concrete T	Diesel	600	0.59	24	0.002058	0.005885	2.48E-05	0.000237	0.000218	0.001368	4.557265	
3	2020	Access Ro	Fencing	Dump Tru	Diesel	600	0.59	96	0.008231	0.023538	9.92E-05	0.000949	0.000873	0.005349	18.22906	
3	2020	Access Ro	Fencing	Other Gen	Diesel	175	0.43	96	0.003055	0.011155	2.30E-05	0.000736	0.000677	0.001436	3.832408	
3	2020	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	96	0.008231	0.023538	9.92E-05	0.000949	0.000873	0.005349	18.22906	
3	2020	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	96	0.007174	0.00779	6.99E-06	0.001048	0.000964	0.001466	1.048514	
3	2020	Access Ro	Fencing	Tractors/Lo	Diesel	100	0.21	96	0.008823	0.006831	8.98E-06	0.001218	0.00112	0.001486	1.399349	
3	2020	Access Ro	Grading	Dozer	Diesel	175	0.59	8.1896	0.000346	0.000797	2.57E-06	7.11E-05	6.54E-05	0.000171	0.453537	
3	2020	Access Ro	Grading	Grader	Diesel	300	0.59	8.1896	0.000388	0.001205	4.31E-06	6.01E-05	5.53E-05	0.000265	0.777518	
3	2020	Access Ro	Grading	Roller	Diesel	100	0.59	8.1896	0.000694	0.000696	1.68E-06	8.34E-05	7.67E-05	0.00012	0.287797	
3	2020	Access Ro	Hydroseed	Hydroseec	Diesel	600	0.59	7.378	0.000633	0.001809	7.62E-06	7.29E-05	6.71E-05	0.000449	1.400979	
3	2020	Access Ro	Hydroseed	Off-Road T	Diesel	600	0.59	7.378	0.000633	0.001809	7.62E-06	7.29E-05	6.71E-05	0.000449	1.400979	
3	2020	Access Ro	Markings	Flatbed Tr	Diesel	600	0.59	118.4914	0.01016	0.029053	0.000122	0.001171	0.001078	0.006592	22.49987	
3	2020	Access Ro	Markings	Other Gen	Diesel	175	0.43	118.4914	0.003771	0.013769	2.84E-05	0.000908	0.000835	0.001764	4.730286	
3	2020	Access Ro	Markings	Pickup Tru	Diesel	600	0.59	118.4914	0.01016	0.029053	0.000122	0.001171	0.001078	0.006592	22.49987	
3	2020	Access Ro	Sidewalks	Concrete T	Diesel	600	0.59	172.8	0.014816	0.042369	0.000179	0.001708	0.001572	0.009594	32.81231	
3	2020	Access Ro	Sidewalks	Dump Tru	Diesel	600	0.59	172.8	0.014816	0.042369	0.000179	0.001708	0.001572	0.009594	32.81231	
3	2020	Access Ro	Sidewalks	Pickup Tru	Diesel	600	0.59	172.8	0.014816	0.042369	0.000179	0.001708	0.001572	0.009594	32.81231	
3	2020	Access Ro	Sidewalks	Tractors/Lo	Diesel	100	0.21	172.8	0.015882	0.012295	1.62E-05	0.002192	0.002017	0.002588	2.518828	
3	2020	Access Ro	Sidewalks	Vibratory (	Diesel	6	0.43	172.8	0.002189	0.002183	1.95E-06	0.000192	0.000176	0.000302	0.262374	
3	2020	Access Ro	Soil Erosio	Other Gen	Diesel	175	0.43	6.8	0.000216	0.00079	1.63E-06	5.21E-05	4.79E-05	0.000137	0.271462	
3	2020	Access Ro	Soil Erosio	Pickup Tru	Diesel	600	0.59	13.6	0.001166	0.003335	1.41E-05	0.000134	0.000124	0.000793	2.58245	
3	2020	Access Ro	Soil Erosio	Pumps	Diesel	11	0.43	6.8	0.000158	0.000163	1.41E-07	1.48E-05	1.36E-05	2.46E-05	0.018926	
3	2020	Access Ro	Soil Erosio	Tractors/Lo	Diesel	100	0.21	6.8	0.000625	0.000484	6.36E-07	8.63E-05	7.94E-05	0.000207	0.099121	
3	2020	Access Ro	Street Ligh	Dump Tru	Diesel	600	0.59	57.6	0.004939	0.014123	5.95E-05	0.000569	0.000524	0.003226	10.93744	
3	2020	Access Ro	Street Ligh	Loader	Diesel	175	0.59	57.6	0.003135	0.00732	1.86E-05	0.000691	0.000636	0.001115	3.189671	
3	2020	Access Ro	Street Ligh	Other Gen	Diesel	175	0.43	57.6	0.001833	0.006693	1.38E-05	0.000441	0.000406	0.000877	2.299445	
3	2020	Access Ro	Street Ligh	Pickup Tru	Diesel	600	0.59	57.6	0.004939	0.014123	5.95E-05	0.000569	0.000524	0.003226	10.93744	
3	2020	Access Ro	Street Ligh	Skid Steer	Diesel	75	0.21	57.6	0.004304	0.004674	4.19E-06	0.000629	0.000578	0.000908	0.629108	
3	2020	Access Ro	Street Ligh	Tractors/Lo	Diesel	100	0.21	57.6	0.005294	0.004098	5.39E-06	0.000731	0.000672	0.000935	0.839609	
3	2020	Access Ro	Subbase P	Dozer	Diesel	175	0.59	12.11411	0.000511	0.001179	3.81E-06	0.000105	9.68E-05	0.00024	0.670874	

3	2020	Access Ro	Subbase P	Dump Tru	Diesel	600	0.59	85.24889	0.007309	0.020902	8.81E-05	0.000843	0.000775	0.004754	16.18757	
3	2020	Access Ro	Subbase P	Pickup Tru	Diesel	600	0.59	12.11411	0.001039	0.00297	1.25E-05	0.00012	0.00011	0.000711	2.3003	
3	2020	Access Ro	Subbase P	Roller	Diesel	100	0.59	11.80369	0.001001	0.001003	2.42E-06	0.00012	0.000111	0.000162	0.414802	
3	2020	Access Ro	Topsoil Pla	Dozer	Diesel	175	0.59	18.19867	0.000768	0.001772	5.72E-06	0.000158	0.000145	0.000346	1.007835	
3	2020	Access Ro	Topsoil Pla	Dump Tru	Diesel	600	0.59	18.19867	0.00156	0.004462	1.88E-05	0.00018	0.000166	0.001047	3.455673	
3	2020	Access Ro	Topsoil Pla	Pickup Tru	Diesel	600	0.59	18.19867	0.00156	0.004462	1.88E-05	0.00018	0.000166	0.001047	3.455673	
3	2020	Access Ro	Tree Planti	Flatbed Tr	Diesel	600	0.59	0	0	0	0	0	0	4.14E-05	0	
3	2020	Access Ro	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	3.75E-05	0	
3	2020	Access Ro	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	4.14E-05	0	
3	2020	Access Ro	Tree Planti	Tractors/L	Diesel	100	0.21	0	0	0	0	0	0	0.000109	0	
3	2020	Building -	Concrete F	Backhoe	Diesel	100	0.21	480	0.044115	0.034153	4.49E-05	0.006089	0.005601	0.006994	6.996745	
3	2020	Building -	Concrete F	Concrete F	Diesel	11	0.43	180	0.004185	0.004312	3.72E-06	0.000392	0.000361	0.000603	0.500989	
3	2020	Building -	Concrete F	Concrete F	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019944	68.35898	
3	2020	Building -	Concrete F	Excavator	Diesel	175	0.59	160	0.005322	0.012769	4.92E-05	0.000986	0.000907	0.002714	8.861037	
3	2020	Building -	Concrete F	Fork Truck	Diesel	100	0.59	480	0.01448	0.01261	9.04E-05	0.000684	0.000629	0.00439	16.87111	
3	2020	Building -	Concrete F	Tool Truck	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006675	22.78633	
3	2020	Building -	Concrete F	Tractor Tr	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013309	45.57265	
3	2020	Building -	Constructi	Survey Cre	Diesel	600	0.59	10	0.000857	0.002452	1.03E-05	9.89E-05	9.10E-05	0.000594	1.89886	
3	2020	Building -	Constructi	Tractor Tr	Diesel	600	0.59	4	0.000343	0.000981	4.13E-06	3.95E-05	3.64E-05	0.000262	0.759544	
3	2020	Building -	Exterior W	Fork Truck	Diesel	100	0.59	840	0.025339	0.022068	0.000158	0.001197	0.001101	0.00768	29.52443	
3	2020	Building -	Exterior W	Generator	Diesel	40	0.43	80	0.001779	0.006134	5.20E-06	0.000342	0.000314	0.000485	0.811032	
3	2020	Building -	Exterior W	Grout Mix	Diesel	600	0.59	420	0.161174	0.376914	0.000504	0.023023	0.021181	0.031551	79.72974	
3	2020	Building -	Exterior W	Grout Wh	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008887	30.38177	
3	2020	Building -	Exterior W	Man Lift	Diesel	75	0.21	1680	0.115175	0.138655	0.000122	0.015702	0.014445	0.02294	18.35317	
3	2020	Building -	Exterior W	Tool Truck	Diesel	600	0.59	420	0.036011	0.102979	0.000434	0.004152	0.00382	0.023261	79.75214	
3	2020	Building -	Exterior W	Tractor Tr	Diesel	600	0.59	840	0.072023	0.205959	0.000868	0.008305	0.00764	0.04648	159.5043	
3	2020	Building -	Exterior W	Truck Tow	Diesel	300	0.43	80	0.002742	0.012455	3.16E-05	0.000532	0.000489	0.001845	5.475419	
3	2020	Building -	Interior Bu	Fork Truck	Diesel	100	0.59	1600	0.048265	0.042033	0.000301	0.00228	0.002098	0.014625	56.23702	
3	2020	Building -	Interior Bu	Man Lift	Diesel	75	0.21	3200	0.219382	0.264106	0.000233	0.029908	0.027515	0.043667	34.95841	
3	2020	Building -	Interior Bu	Tool Truck	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088496	303.8177	
3	2020	Building -	Interior Bu	Tractor Tr	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088496	303.8177	
3	2020	Building -	Roofing	High Lift	Diesel	100	0.59	160	0.004827	0.004203	3.01E-05	0.000228	0.00021	0.001465	5.623702	
3	2020	Building -	Roofing	Man Lift	Diesel	75	0.21	40	0.002742	0.003301	2.91E-06	0.000374	0.000344	0.000577	0.43698	
3	2020	Building -	Roofing	Material D	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003358	11.39316	
3	2020	Building -	Roofing	Tractor Tr	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.002253	7.595442	
3	2020	Building -	Roofing	Truck Tow	Diesel	300	0.43	120	0.004114	0.018682	4.74E-05	0.000797	0.000734	0.002744	8.213128	
3	2020	Building -	Security &	High Lift	Diesel	100	0.59	800	0.024133	0.021017	0.000151	0.00114	0.001049	0.007314	28.11851	
3	2020	Building -	Security &	Tool Truck	Diesel	600	0.59	800	0.068593	0.196151	0.000827	0.007909	0.007277	0.044268	151.9088	
3	2020	Building -	Structural	90 Ton Cra	Diesel	300	0.43	240	0.008227	0.037365	9.48E-05	0.001595	0.001467	0.00544	16.42626	
3	2020	Building -	Structural	Concrete F	Diesel	11	0.43	60	0.001395	0.001437	1.24E-06	0.000131	0.00012	0.000202	0.166996	
3	2020	Building -	Structural	Concrete T	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003358	11.39316	
3	2020	Building -	Structural	Fork Truck	Diesel	100	0.59	640	0.019306	0.016813	0.000121	0.000912	0.000839	0.005852	22.49481	
3	2020	Building -	Structural	Tool Truck	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008887	30.38177	
3	2020	Building -	Structural	Tractor Tr	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019944	68.35898	
3	2020	Building -	Structural	Trowel Ma	Diesel	600	0.59	40	0.01535	0.035897	4.80E-05	0.002193	0.002017	0.003166	7.593308	
3	2020	Building -	Structural	Truck Tow	Diesel	300	0.43	720	0.024682	0.112094	0.000284	0.004785	0.004402	0.016226	49.27877	
3	2020	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	78.67125	0.003912	0.008989	2.52E-05	0.000844	0.000777	0.001466	4.35663	
3	2020	Parking Lo	Asphalt Pl	Dump Tru	Diesel	600	0.59	283.3405	0.024294	0.069472	0.000293	0.002801	0.002577	0.015706	53.8024	
3	2020	Parking Lo	Asphalt Pl	Other Gen	Diesel	175	0.43	157.3425	0.005008	0.018283	3.77E-05	0.001206	0.001109	0.00233	6.281256	
3	2020	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	600	0.59	78.67125	0.006745	0.019289	8.13E-05	0.000778	0.000716	0.004391	14.93857	
3	2020	Parking Lo	Asphalt Pl	Roller	Diesel	100	0.59	78.67125	0.00667	0.006685	1.62E-05	0.000801	0.000737	0.000929	2.764642	
3	2020	Parking Lo	Asphalt Pl	Skid Steer	Diesel	75	0.21	78.67125	0.005879	0.006384	5.73E-06	0.000859	0.00079	0.001215	0.859249	
3	2020	Parking Lo	Asphalt Pl	Surfacing E	Diesel	25	0.59	100.6992	0.003895	0.007301	6.56E-06	0.000578	0.000532	0.000774	0.883355	
3	2020	Parking Lo	Clearing ar	Chain Saw	Diesel	11	0.7	165.6	0.412589	0.00186	0.000197	0.013702	0.012606	0.09073	0.874728	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	2020	Parking Lo	Clearing ar	Chipper/Sh	Diesel	100	0.43	165.6	0.013325	0.023658	2.72E-05	0.002308	0.002123	0.002821	4.196353	
3	2020	Parking Lo	Clearing ar	Pickup Tru	Diesel	600	0.59	220.8	0.018932	0.054138	0.000228	0.002183	0.002008	0.012248	41.92684	
3	2020	Parking Lo	Concrete F	Air Compr	Diesel	100	0.43	209.7904	0.010986	0.017843	3.23E-05	0.001571	0.001446	0.002109	5.319988	
3	2020	Parking Lo	Concrete F	Concrete S	Diesel	40	0.59	209.7904	0.002852	0.018082	1.68E-05	0.00039	0.000359	0.000915	2.949091	
3	2020	Parking Lo	Concrete F	Concrete T	Diesel	600	0.59	874.1267	0.074949	0.214326	0.000903	0.008642	0.007951	0.048367	165.9845	
3	2020	Parking Lo	Concrete F	Other Gen	Diesel	175	0.43	419.5808	0.013354	0.048756	0.000101	0.003215	0.002958	0.006151	16.75005	
3	2020	Parking Lo	Concrete F	Pickup Tru	Diesel	600	0.59	629.3712	0.053963	0.154315	0.00065	0.006222	0.005725	0.034835	119.5088	
3	2020	Parking Lo	Concrete F	Rubber Tir	Diesel	175	0.59	209.7904	0.011417	0.026659	6.79E-05	0.002517	0.002316	0.003968	11.6174	
3	2020	Parking Lo	Concrete F	Slip Form I	Diesel	175	0.59	209.7904	0.010431	0.023971	6.71E-05	0.002252	0.002072	0.003856	11.6177	
3	2020	Parking Lo	Concrete F	Surfacing E	Diesel	25	0.59	209.7904	0.008115	0.015211	1.37E-05	0.001205	0.001108	0.001611	1.840327	
3	2020	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	63	0.005402	0.015447	6.51E-05	0.000623	0.000573	0.003524	11.96282	
3	2020	Parking Lo	Curbing	Curb/Gutt	Diesel	175	0.59	63	0.003133	0.007198	2.02E-05	0.000676	0.000622	0.00118	3.488792	
3	2020	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	63	0.002005	0.007321	1.51E-05	0.000483	0.000444	0.000955	2.515017	
3	2020	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	63	0.005402	0.015447	6.51E-05	0.000623	0.000573	0.003524	11.96282	
3	2020	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	101.12	0.004267	0.009844	3.18E-05	0.000878	0.000808	0.001798	5.599987	
3	2020	Parking Lo	Drainage -	Dump Tru	Diesel	600	0.59	101.12	0.00867	0.024793	0.000104	0.001	0.00092	0.005632	19.20128	
3	2020	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	101.12	0.003364	0.00807	3.11E-05	0.000623	0.000573	0.001723	5.600175	
3	2020	Parking Lo	Drainage -	Loader	Diesel	175	0.59	101.12	0.005503	0.01285	3.27E-05	0.001213	0.001116	0.001931	5.599644	
3	2020	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	101.12	0.003218	0.01175	2.42E-05	0.000775	0.000713	0.001511	4.036803	
3	2020	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	101.12	0.00867	0.024793	0.000104	0.001	0.00092	0.005632	19.20128	
3	2020	Parking Lo	Drainage -	Roller	Diesel	100	0.59	101.12	0.008574	0.008592	2.08E-05	0.00103	0.000947	0.001187	3.553529	
3	2020	Parking Lo	Drainage -	Dump Tru	Diesel	600	0.59	168.5333	0.01445	0.041322	0.000174	0.001666	0.001533	0.009359	32.00213	
3	2020	Parking Lo	Drainage -	Loader	Diesel	175	0.59	168.5333	0.009172	0.021417	5.45E-05	0.002022	0.00186	0.003195	9.332741	
3	2020	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	168.5333	0.005364	0.019584	4.04E-05	0.001291	0.001188	0.002493	6.728004	
3	2020	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	168.5333	0.01445	0.041322	0.000174	0.001666	0.001533	0.009359	32.00213	
3	2020	Parking Lo	Drainage -	Tractors/L	Diesel	100	0.21	168.5333	0.015489	0.011992	1.58E-05	0.002138	0.001967	0.002526	2.456635	
3	2020	Parking Lo	Excavation	Dozer	Diesel	175	0.59	349.6507	0.014755	0.03404	0.00011	0.003035	0.002793	0.006151	19.36352	
3	2020	Parking Lo	Excavation	Dump Tru	Diesel	600	0.59	349.6507	0.029979	0.08573	0.000361	0.003457	0.00318	0.019371	66.39378	
3	2020	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	349.6507	0.029979	0.08573	0.000361	0.003457	0.00318	0.019371	66.39378	
3	2020	Parking Lo	Excavation	Roller	Diesel	100	0.59	161.3772	0.013683	0.013712	3.32E-05	0.001643	0.001512	0.001878	5.671071	
3	2020	Parking Lo	Excavation	Dozer	Diesel	175	0.59	262.238	0.011066	0.02553	8.24E-05	0.002277	0.002094	0.00462	14.52264	
3	2020	Parking Lo	Excavation	Dump Tru	Diesel	600	0.59	699.3013	0.059959	0.171461	0.000723	0.006914	0.006361	0.038701	132.7876	
3	2020	Parking Lo	Excavation	Excavator	Diesel	175	0.59	209.7904	0.006978	0.016743	6.45E-05	0.001292	0.001189	0.003552	11.6185	
3	2020	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	209.7904	0.017988	0.051438	0.000217	0.002074	0.001908	0.011639	39.83627	
3	2020	Parking Lo	Excavation	Roller	Diesel	100	0.59	209.7904	0.017787	0.017826	4.31E-05	0.002136	0.001965	0.002434	7.372393	
3	2020	Parking Lo	Excavation	Scraper	Diesel	600	0.59	262.238	0.055776	0.138578	0.000295	0.008236	0.007577	0.015913	49.79178	
3	2020	Parking Lo	Excavation	Dozer	Diesel	175	0.59	98.72471	0.004166	0.009611	3.10E-05	0.000857	0.000789	0.001757	5.467336	
3	2020	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	35	0.003001	0.008582	3.62E-05	0.000346	0.000318	0.001976	6.646012	
3	2020	Parking Lo	Fencing	Dump Tru	Diesel	600	0.59	140	0.012004	0.034326	0.000145	0.001384	0.001273	0.007781	26.58405	
3	2020	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	140	0.004456	0.016268	3.35E-05	0.001073	0.000987	0.002077	5.588928	
3	2020	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	140	0.012004	0.034326	0.000145	0.001384	0.001273	0.007781	26.58405	
3	2020	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	140	0.010462	0.01136	1.02E-05	0.001528	0.001406	0.002106	1.529083	
3	2020	Parking Lo	Fencing	Tractors/L	Diesel	100	0.21	140	0.012867	0.009961	1.31E-05	0.001776	0.001634	0.002117	2.040717	
3	2020	Parking Lo	Grading	Dozer	Diesel	175	0.59	66.6444	0.002812	0.006488	2.09E-05	0.000579	0.000532	0.001195	3.690741	
3	2020	Parking Lo	Grading	Grader	Diesel	300	0.59	66.6444	0.003161	0.009808	3.51E-05	0.000489	0.00045	0.001951	6.327201	
3	2020	Parking Lo	Grading	Roller	Diesel	100	0.59	66.6444	0.005651	0.005663	1.37E-05	0.000679	0.000624	0.000791	2.341998	
3	2020	Parking Lo	Hydroseed	Hydroseed	Diesel	600	0.59	60.04	0.005148	0.014721	6.20E-05	0.000594	0.000546	0.003361	11.40076	
3	2020	Parking Lo	Hydroseed	Off-Road T	Diesel	600	0.59	60.04	0.005148	0.014721	6.20E-05	0.000594	0.000546	0.003361	11.40076	
3	2020	Parking Lo	Markings	Flatbed Tr	Diesel	600	0.59	15.22286	0.001305	0.003732	1.57E-05	0.000151	0.000138	0.000883	2.890608	
3	2020	Parking Lo	Markings	Other Gen	Diesel	175	0.43	15.22286	0.000484	0.001769	3.65E-06	0.000117	0.000107	0.000259	0.60771	
3	2020	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	15.22286	0.001305	0.003732	1.57E-05	0.000151	0.000138	0.000883	2.890608	
3	2020	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	126	0.010803	0.030894	0.00013	0.001246	0.001146	0.007007	23.92564	
3	2020	Parking Lo	Sidewalks	Dump Tru	Diesel	600	0.59	126	0.010803	0.030894	0.00013	0.001246	0.001146	0.007007	23.92564	
3	2020	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	126	0.010803	0.030894	0.00013	0.001246	0.001146	0.007007	23.92564	
3	2020	Parking Lo	Sidewalks	Tractors/L	Diesel	100	0.21	126	0.01158	0.008965	1.18E-05	0.001598	0.00147	0.001916	1.836646	
3	2020	Parking Lo	Sidewalks	Vibratory (	Diesel	6	0.43	126	0.001596	0.001592	1.42E-06	0.00014	0.000129	0.00022	0.191314	
3	2020	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	55.2	0.001757	0.006414	1.32E-05	0.000423	0.000389	0.000842	2.203634	
3	2020	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	110.4	0.009466	0.027069	0.000114	0.001091	0.001004	0.006145	20.96342	
3	2020	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	55.2	0.001283	0.001322	1.14E-06	0.00012	0.000111	0.000186	0.153636	
3	2020	Parking Lo	Soil Erosio	Tractors/L	Diesel	100	0.21	55.2	0.005073	0.003928	5.16E-06	0.0007	0.000644	0.000901	0.804626	
3	2020	Parking Lo	Street Ligh	Dump Tru	Diesel	600	0.59	37.86667	0.003247	0.009284	3.91E-05	0.000374	0.000344	0.002135	7.190352	
3	2020	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	37.86667	0.002061	0.004812	1.23E-05	0.000454	0.000418	0.000745	2.096913	
3	2020	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	37.86667	0.001205	0.0044	9.07E-06	0.00029	0.000267	0.000589	1.511672	
3	2020	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	37.86667	0.003247	0.009284	3.91E-05	0.000374	0.000344	0.002135	7.190352	
3	2020	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	37.86667	0.00283	0.003073	2.76E-06	0.000413	0.00038	0.000621	0.413581	
3	2020	Parking Lo	Street Ligh	Tractors/L	Diesel	100	0.21	37.86667	0.00348	0.002694	3.54E-06	0.00048	0.000442	0.000652	0.551965	
3	2020	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	132.4989	0.005591	0.012899	4.16E-05	0.00115	0.001058	0.002348	7.337741	
3	2020	Parking Lo	Subbase P	Dump Tru	Diesel	600	0.59	932.4	0.079945	0.228614	0.000964	0.009218	0.008481	0.051588	177.0498	
3	2020	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	132.4989	0.011361	0.032487	0.000137	0.00131	0.001205	0.007366	25.1597	
3	2020	Parking Lo	Subbase P	Roller	Diesel	100	0.59	129.1015	0.010946	0.01097	2.65E-05	0.001315	0.001209	0.001508	4.536848	
3	2020	Parking Lo	Topsoil Pla	Dozer	Diesel	175	0.59	148.0987	0.00625	0.014418	4.65E-05	0.001286	0.001183	0.002621	8.201647	
3	2020	Parking Lo	Topsoil Pla	Dump Tru	Diesel	600	0.59	148.0987	0.012698	0.036312	0.000153	0.001464	0.001347	0.008229	28.12187	
3	2020	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	600	0.59	148.0987	0.012698	0.036312	0.000153	0.001464	0.001347	0.008229	28.12187	
3	2020	Parking Lo	Tree Planti	Flatbed Tr	Diesel	600	0.59	0	0	0	0	0	0	4.14E-05	0	
3	2020	Parking Lo	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	3.75E-05	0	
3	2020	Parking Lo	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	4.14E-05	0	
3	2020	Parking Lo	Tree Planti	Tractors/L	Diesel	100	0.21	0	0	0	0	0	0	0.000109	0	
3	2020	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	8.533125	0.000424	0.000975	2.73E-06	9.16E-05	8.43E-05	0.000188	0.472544	
3	2020	Terminal A	Asphalt Pl	Dump Tru	Diesel	600	0.59	30.7327	0.002635	0.007535	3.18E-05	0.000304	0.00028	0.00174	5.83571	
3	2020	Terminal A	Asphalt Pl	Other Gen	Diesel	175	0.43	17.06625	0.000543	0.001983	4.09E-06	0.000131	0.00012	0.000286	0.6813	
3	2020	Terminal A	Asphalt Pl	Pickup Tru	Diesel	600	0.59	8.533125	0.000732	0.002092	8.82E-06	8.44E-05	7.76E-05	0.000513	1.620321	
3	2020	Terminal A	Asphalt Pl	Roller	Diesel	100	0.59	8.533125	0.000723	0.000725	1.75E-06	8.69E-05	7.99E-05	0.000124	0.299869	
3	2020	Terminal A	Asphalt Pl	Skid Steer	Diesel	75	0.21	8.533125	0.000638	0.000692	6.21E-07	9.31E-05	8.57E-05	0.000195	0.093199	
3	2020	Terminal A	Asphalt Pl	Surfacing E	Diesel	25	0.59	10.9224	0.000423	0.000792	7.12E-07	6.27E-05	5.77E-05	8.45E-05	0.095814	
3	2020	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	18	0.044847	0.000202	2.14E-05	0.001489	0.00137	0.013196	0.095079	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	2020	Terminal A	Clearing ar	Chipper/Sh	Diesel	100	0.43	18	0.001448	0.002572	2.96E-06	0.000251	0.000231	0.000374	0.456125	
3	2020	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	24	0.002058	0.005885	2.48E-05	0.000237	0.000218	0.001368	4.557265	
3	2020	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	22.7552	0.001192	0.001935	3.50E-06	0.00017	0.000157	0.000253	0.57704	

3	2020	Terminal /	Concrete F	Concrete S	Diesel	40	0.59	22.7552	0.000309	0.001961	1.82E-06	4.23E-05	3.90E-05	9.97E-05	0.319877
3	2020	Terminal /	Concrete F	Concrete T	Diesel	600	0.59	94.81333	0.008129	0.023247	9.80E-05	0.000937	0.000862	0.005283	18.00373
3	2020	Terminal /	Concrete F	Other Gen	Diesel	175	0.43	45.5104	0.001448	0.005288	1.09E-05	0.000349	0.000321	0.000701	1.816817
3	2020	Terminal /	Concrete F	Pickup Tru	Diesel	600	0.59	68.2656	0.005853	0.016738	7.05E-05	0.000675	0.000621	0.003815	12.96268
3	2020	Terminal /	Concrete F	Rubber Tir	Diesel	175	0.59	22.7552	0.001238	0.002892	7.37E-06	0.000273	0.000251	0.000462	1.260097
3	2020	Terminal /	Concrete F	Slip Form I	Diesel	175	0.59	22.7552	0.001131	0.0026	7.28E-06	0.000244	0.000225	0.000447	1.26013
3	2020	Terminal /	Concrete F	Surfacing I	Diesel	25	0.59	22.7552	0.00088	0.00165	1.48E-06	0.000131	0.00012	0.000175	0.199614
3	2020	Terminal /	Drainage -	Dozer	Diesel	175	0.59	12.32	0.00052	0.001199	3.87E-06	0.000107	9.84E-05	0.000243	0.682277
3	2020	Terminal /	Drainage -	Dump Tru	Diesel	600	0.59	12.32	0.001056	0.003021	1.27E-05	0.000122	0.000112	0.000722	2.339396
3	2020	Terminal /	Drainage -	Excavator	Diesel	175	0.59	12.32	0.00041	0.000983	3.79E-06	7.59E-05	6.98E-05	0.000228	0.6823
3	2020	Terminal /	Drainage -	Loader	Diesel	175	0.59	12.32	0.00067	0.001566	3.99E-06	0.000148	0.000136	0.000266	0.682235
3	2020	Terminal /	Drainage -	Other Gen	Diesel	175	0.43	12.32	0.000392	0.001432	2.95E-06	9.44E-05	8.68E-05	0.000217	0.491826
3	2020	Terminal /	Drainage -	Pickup Tru	Diesel	600	0.59	12.32	0.001056	0.003021	1.27E-05	0.000122	0.000112	0.000722	2.339396
3	2020	Terminal /	Drainage -	Roller	Diesel	100	0.59	12.32	0.001045	0.001047	2.53E-06	0.000125	0.000115	0.000168	0.432946
3	2020	Terminal /	Drainage -	Dump Tru	Diesel	600	0.59	6.844444	0.000587	0.001678	7.07E-06	6.77E-05	6.23E-05	0.00042	1.299665
3	2020	Terminal /	Drainage -	Loader	Diesel	175	0.59	6.844444	0.000372	0.00087	2.22E-06	8.21E-05	7.56E-05	0.000164	0.37902
3	2020	Terminal /	Drainage -	Other Gen	Diesel	175	0.43	6.844444	0.000218	0.000795	1.64E-06	5.24E-05	4.82E-05	0.000137	0.273236
3	2020	Terminal /	Drainage -	Pickup Tru	Diesel	600	0.59	6.844444	0.000587	0.001678	7.07E-06	6.77E-05	6.23E-05	0.00042	1.299665
3	2020	Terminal /	Drainage -	Tractors/L	Diesel	100	0.21	6.844444	0.000629	0.000487	6.40E-07	8.68E-05	7.99E-05	0.000207	0.099768
3	2020	Terminal /	Dust Contr	Water Tru	Diesel	600	0.59	1440	0.123467	0.353072	0.001488	0.014237	0.013098	0.07965	273.4359
3	2020	Terminal /	Excavation	Dozer	Diesel	175	0.59	37.92533	0.0016	0.003692	1.19E-05	0.000329	0.000303	0.000692	2.10029
3	2020	Terminal /	Excavation	Dump Tru	Diesel	600	0.59	37.92533	0.003252	0.009299	3.92E-05	0.000375	0.000345	0.002138	7.201492
3	2020	Terminal /	Excavation	Pickup Tru	Diesel	600	0.59	37.92533	0.003252	0.009299	3.92E-05	0.000375	0.000345	0.002138	7.201492
3	2020	Terminal /	Excavation	Roller	Diesel	100	0.59	17.504	0.001484	0.001487	3.60E-06	0.000178	0.000164	0.000227	0.61512
3	2020	Terminal /	Excavation	Dozer	Diesel	175	0.59	28.444	0.0012	0.002769	8.94E-06	0.000247	0.000227	0.000526	1.575218
3	2020	Terminal /	Excavation	Dump Tru	Diesel	600	0.59	75.85067	0.006504	0.018598	7.84E-05	0.00075	0.00069	0.004235	14.40298
3	2020	Terminal /	Excavation	Excavator	Diesel	175	0.59	22.7552	0.000757	0.001816	6.99E-06	0.00014	0.000129	0.000403	1.260217
3	2020	Terminal /	Excavation	Pickup Tru	Diesel	600	0.59	22.7552	0.001951	0.005579	2.35E-05	0.000225	0.000207	0.001299	4.320895
3	2020	Terminal /	Excavation	Roller	Diesel	100	0.59	22.7552	0.001929	0.001934	4.67E-06	0.000232	0.000213	0.000287	0.799657
3	2020	Terminal /	Excavation	Scraper	Diesel	600	0.59	28.444	0.00605	0.015031	3.20E-05	0.000893	0.000822	0.001833	5.400733
3	2020	Terminal /	Excavation	Dozer	Diesel	175	0.59	10.70824	0.000452	0.001042	3.36E-06	9.30E-05	8.55E-05	0.000215	0.593018
3	2020	Terminal /	Fencing	Concrete T	Diesel	600	0.59	4.166667	0.000357	0.001022	4.31E-06	4.12E-05	3.79E-05	0.000272	0.791192
3	2020	Terminal /	Fencing	Dump Tru	Diesel	600	0.59	16.66667	0.001429	0.004086	1.72E-05	0.000165	0.000152	0.000963	3.164767
3	2020	Terminal /	Fencing	Other Gen	Diesel	175	0.43	16.66667	0.00053	0.001937	3.99E-06	0.000128	0.000117	0.00028	0.665349
3	2020	Terminal /	Fencing	Pickup Tru	Diesel	600	0.59	16.66667	0.001429	0.004086	1.72E-05	0.000165	0.000152	0.000963	3.164767
3	2020	Terminal /	Fencing	Skid Steer	Diesel	75	0.21	16.66667	0.001245	0.001352	1.21E-06	0.000182	0.000167	0.000313	0.182034
3	2020	Terminal /	Fencing	Tractors/L	Diesel	100	0.21	16.66667	0.001532	0.001186	1.56E-06	0.000211	0.000194	0.000348	0.242943
3	2020	Terminal /	Grading	Dozer	Diesel	175	0.59	7.4359	0.000314	0.000724	2.34E-06	6.46E-05	5.94E-05	0.000158	0.411797
3	2020	Terminal /	Grading	Grader	Diesel	300	0.59	7.4359	0.000353	0.001094	3.91E-06	5.45E-05	5.02E-05	0.000244	0.705962
3	2020	Terminal /	Grading	Roller	Diesel	100	0.59	7.4359	0.00063	0.000632	1.53E-06	7.57E-05	6.97E-05	0.000111	0.26131
3	2020	Terminal /	Hydroseed	Hydroseed	Diesel	600	0.59	6.699	0.000574	0.001643	6.92E-06	6.62E-05	6.09E-05	0.000412	1.272047
3	2020	Terminal /	Hydroseed	Off-Road T	Diesel	600	0.59	6.699	0.000574	0.001643	6.92E-06	6.62E-05	6.09E-05	0.000412	1.272047
3	2020	Terminal /	Lighting	Dump Tru	Diesel	600	0.59	7.186667	0.000616	0.001762	7.43E-06	7.11E-05	6.54E-05	0.000439	1.364648
3	2020	Terminal /	Lighting	Loader	Diesel	175	0.59	7.186667	0.000391	0.000913	2.33E-06	8.62E-05	7.93E-05	0.00017	0.397971
3	2020	Terminal /	Lighting	Other Gen	Diesel	175	0.43	7.186667	0.000229	0.000835	1.72E-06	5.51E-05	5.07E-05	0.000142	0.286898
3	2020	Terminal /	Lighting	Pickup Tru	Diesel	600	0.59	7.186667	0.000616	0.001762	7.43E-06	7.11E-05	6.54E-05	0.000439	1.364648
3	2020	Terminal /	Lighting	Skid Steer	Diesel	75	0.21	7.186667	0.000537	0.000583	5.23E-07	7.84E-05	7.22E-05	0.000175	0.078493
3	2020	Terminal /	Lighting	Tractors/L	Diesel	100	0.21	7.186667	0.000661	0.000511	6.72E-07	9.12E-05	8.39E-05	0.000212	0.104757
3	2020	Terminal /	Markings	Flatbed Tr	Diesel	600	0.59	140.5714	0.012053	0.034467	0.000145	0.00139	0.001279	0.007813	26.69255
3	2020	Terminal /	Markings	Other Gen	Diesel	175	0.43	140.5714	0.004474	0.016335	3.37E-05	0.001077	0.000991	0.002086	5.61174
3	2020	Terminal /	Markings	Pickup Tru	Diesel	600	0.59	140.5714	0.012053	0.034467	0.000145	0.00139	0.001279	0.007813	26.69255
3	2020	Terminal /	Sealing/Fu	Distributin	Diesel	600	0.59	18.204	0.001561	0.004463	1.88E-05	0.00018	0.000166	0.001048	3.456686
3	2020	Terminal /	Sealing/Fu	Other Gen	Diesel	175	0.43	18.204	0.000579	0.002115	4.36E-06	0.000139	0.000128	0.000303	0.72672
3	2020	Terminal /	Sealing/Fu	Pickup Tru	Diesel	600	0.59	18.204	0.001561	0.004463	1.88E-05	0.00018	0.000166	0.001048	3.456686
3	2020	Terminal /	Soil Erosio	Other Gen	Diesel	175	0.43	6	0.000191	0.000697	1.44E-06	4.60E-05	4.23E-05	0.000125	0.239525
3	2020	Terminal /	Soil Erosio	Pickup Tru	Diesel	600	0.59	12	0.001029	0.002942	1.24E-05	0.000119	0.000109	0.000705	2.278633
3	2020	Terminal /	Soil Erosio	Pumps	Diesel	11	0.43	6	0.000139	0.000144	1.24E-07	1.31E-05	1.20E-05	2.19E-05	0.0167
3	2020	Terminal /	Soil Erosio	Tractors/L	Diesel	100	0.21	6	0.000551	0.000427	5.61E-07	7.61E-05	7.00E-05	0.000195	0.087459
3	2020	Terminal /	Subbase P	Dozer	Diesel	175	0.59	14.37158	0.000606	0.001399	4.52E-06	0.000125	0.000115	0.000279	0.795893
3	2020	Terminal /	Subbase P	Dump Tru	Diesel	600	0.59	101.1333	0.008671	0.024797	0.000105	0.001	0.00092	0.005632	19.20381
3	2020	Terminal /	Subbase P	Pickup Tru	Diesel	600	0.59	14.37158	0.001232	0.003524	1.49E-05	0.000142	0.000131	0.000836	2.728962
3	2020	Terminal /	Subbase P	Roller	Diesel	100	0.59	14.00308	0.001187	0.00119	2.88E-06	0.000143	0.000131	0.000187	0.492092
3	2020	Terminal /	Topsoil Pla	Dozer	Diesel	175	0.59	16.524	0.000697	0.001609	5.19E-06	0.000143	0.000132	0.000317	0.915093
3	2020	Terminal /	Topsoil Pla	Dump Tru	Diesel	600	0.59	16.524	0.001417	0.004051	1.71E-05	0.000163	0.00015	0.000955	3.137677
3	2020	Terminal /	Topsoil Pla	Pickup Tru	Diesel	600	0.59	16.524	0.001417	0.004051	1.71E-05	0.000163	0.00015	0.000955	3.137677
4	2020	Access Ro	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	4.79525	0.000238	0.000548	1.53E-06	5.15E-05	4.74E-05	0.000102	0.26555
4	2020	Access Ro	Asphalt Pl	Dump Tru	Diesel	600	0.59	17.27046	0.001481	0.004235	1.78E-05	0.000171	0.000157	0.000974	3.279419
4	2020	Access Ro	Asphalt Pl	Other Gen	Diesel	175	0.43	9.5905	0.000305	0.001114	2.30E-06	7.35E-05	6.76E-05	0.000157	0.382861
4	2020	Access Ro	Asphalt Pl	Pickup Tru	Diesel	600	0.59	4.79525	0.000411	0.001176	4.96E-06	4.74E-05	4.36E-05	0.000284	0.910551
4	2020	Access Ro	Asphalt Pl	Roller	Diesel	100	0.59	4.79525	0.000407	0.000407	9.85E-07	4.88E-05	4.49E-05	6.71E-05	0.168513
4	2020	Access Ro	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.79525	0.000358	0.000389	3.49E-07	5.23E-05	4.82E-05	0.000102	0.052374
4	2020	Access Ro	Asphalt Pl	Surfacing I	Diesel	25	0.59	6.13792	0.000237	0.000445	4.00E-07	3.52E-05	3.24E-05	4.74E-05	0.053843
4	2020	Access Ro	Clearing ar	Chain Saw	Diesel	11	0.7	13.2	0.032888	0.000148	1.57E-05	0.001092	0.001005	0.009374	0.069725 *** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	2020	Access Ro	Clearing ar	Chipper/SI	Diesel	100	0.43	13.2	0.001062	0.001886	2.17E-06	0.000184	0.000169	0.000225	0.334492
4	2020	Access Ro	Clearing ar	Pickup Tru	Diesel	600	0.59	17.6	0.001509	0.004315	1.82E-05	0.000174	0.00016	0.000992	3.341995
4	2020	Access Ro	Concrete F	Air Compr	Diesel	100	0.43	12.7872	0.00067	0.001088	1.97E-06	9.58E-05	8.81E-05	0.000145	0.324265
4	2020	Access Ro	Concrete F	Concrete S	Diesel	40	0.59	12.7872	0.000174	0.001102	1.02E-06	2.38E-05	2.19E-05	5.60E-05	0.179754
4	2020	Access Ro	Concrete F	Concrete T	Diesel	600	0.59	53.28	0.004568	0.013064	5.51E-05	0.000527	0.000485	0.002965	10.11713
4	2020	Access Ro	Concrete F	Other Gen	Diesel	175	0.43	25.5744	0.000814	0.002972	6.13E-06	0.000196	0.00018	0.00039	1.020953
4	2020	Access Ro	Concrete F	Pickup Tru	Diesel	600	0.59	38.3616	0.003289	0.009406	3.96E-05	0.000379	0.000349	0.00214	7.284334
4	2020	Access Ro	Concrete F	Rubber Tir	Diesel	175	0.59	12.7872	0.000696	0.001625	4.14E-06	0.000153	0.000141	0.000256	0.708107
4	2020	Access Ro	Concrete F	Slip Form I	Diesel	175	0.59	12.7872	0.000636	0.001461	4.09E-06	0.000137	0.000126	0.000248	0.708125
4	2020	Access Ro	Concrete F	Surfacing I	Diesel	25	0.59	12.7872	0.000495	0.000927	8.34E-07	7.34E-05	6.75E-05	9.85E-05	0.112172
4	2020	Access Ro	Curbing	Concrete T	Diesel	600	0.59	57.6	0.004939	0.014123	5.95E-05	0.000569	0.000524	0.003203	10.93744
4	2020	Access Ro	Curbing	Curb/Gutt	Diesel	175	0.59	57.6	0.002864	0.006581	1.84E-05	0.000618	0.000569	0.001065	3.189753
4	2020	Access Ro	Curbing	Other Gen	Diesel	175	0.43	57.6	0.001833	0.006693	1.38E-05	0.000441	0.000406	0.000856	2.299444
4	2020	Access Ro	Curbing	Pickup Tru	Diesel	600	0.59	57.6	0.004939	0.014123	5.95E-05	0.000569	0.000524	0.003203	10.93744
4	2020	Access Ro	Drainage -	Dozer	Diesel	175	0.59	46.4	0.001958	0.004517	1.46E-05	0.000403	0.000371	0.000825	2.569614
4	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	46.4	0.003978	0.011377	4.80E-05	0.000459	0.000422	0.002584	8.810714
4	2020	Access Ro	Drainage -	Excavator	Diesel	175	0.59	46.4	0.001543	0.003703	1.43E-05	0.000286	0.000263	0.00079	2.569701
4	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	46.4	0.002525	0.005896	1.50E-05	0.000557	0.000512	0.000886	2.569457
4	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	46.4	0.001477	0.005392	1.11E-05	0.000356	0.000327	0.000693	1.85233
4	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	46.4	0.003978	0.011377	4.80E-05	0.000459	0.000422	0.002584	8.810714
4	2020	Access Ro	Drainage -	Roller	Diesel	100	0.59	46.4	0.003934	0.003943	9.53E-06	0.000472	0.000435	0.000545	1.630575
4	2020	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	25.77778	0.00221	0.00632	2.66E-05	0.000255	0.000234	0.001444	4.894841
4	2020	Access Ro	Drainage -	Loader	Diesel	175	0.59	25.77778	0.001403	0.003276	8.34E-06	0.000309	0.000285	0.000499	1.427476
4	2020	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	25.77778	0.00082	0.002995	6.18E-06	0.000198	0.000182	0.000393	1.029072
4	2020	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	25.77778	0.00221	0.00632	2.66E-05	0.000255	0.000234	0.001444	4.894841
4	2020	Access Ro	Drainage -	Tractors/L	Diesel	100	0.21	25.77778	0.002369	0.001834	2.41E-06	0.000327	0.000301	0.00042	0.375751
4	2020	Access Ro	Dust Contr	Water Tru	Diesel	600	0.59	960	0.082312	0.235381	0.000992	0.009491	0.008732	0.053092	182.2906
4	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	21.312	0.000899	0.002075	6.70E-06	0.000185	0.00017	0.000386	1.18025
4	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	21.312	0.001827	0.005225	2.20E-05	0.000211	0.000194	0.001197	4.046852
4	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	21.312	0.001827	0.005225	2.20E-05	0.000211	0.000194	0.001197	4.046852
4	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	9.836308	0.000834	0.000836	2.02E-06	0.0001	9.21E-05	0.000125	0.345665
4	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	15.984	0.000675	0.001556	5.02E-06	0.000139	0.000128	0.000293	0.885188
4	2020	Access Ro	Excavation	Dump Tru	Diesel	600	0.59	42.624	0.003655	0.010451	4.40E-05	0.000421	0.000388	0.002375	8.093704
4	2020	Access Ro	Excavation	Excavator	Diesel	175	0.59	12.7872	0.000425	0.001021	3.93E-06	7.88E-05	7.25E-05	0.000225	0.708174
4	2020	Access Ro	Excavation	Pickup Tru	Diesel	600	0.59	12.7872	0.001096	0.003135	1.32E-05	0.000126	0.000116	0.000726	2.428111
4	2020	Access Ro	Excavation	Roller	Diesel	100	0.59	12.7872	0.001084	0.001087	2.63E-06	0.00013	0.00012	0.000159	0.449364
4	2020	Access Ro	Excavation	Scraper	Diesel	600	0.59	15.984	0.0034	0.008447	1.80E-05	0.000502	0.000462	0.001018	3.034922
4	2020	Access Ro	Excavation	Dozer	Diesel	175	0.59	6.017569	0.000254	0.000586	1.89E-06	5.22E-05	4.81E-05	0.000118	0.333251
4	2020	Access Ro	Fencing	Concrete T	Diesel	600	0.59	16	0.001372	0.003923	1.65E-05	0.000158	0.000146	0.000904	3.038177
4	2020	Access Ro	Fencing	Dump Tru	Diesel	600	0.59	64	0.005487	0.015692	6.61E-05	0.000633	0.000582	0.003557	12.15271
4	2020	Access Ro	Fencing	Other Gen	Diesel	175	0.43	64	0.002037	0.007437	1.53E-05	0.00049	0.000451	0.00095	2.554938
4	2020	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	64	0.005487	0.015692	6.61E-05	0.000633	0.000582	0.003557	12.15271
4	2020	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	64	0.004782	0.005193	4.66E-06	0.000699	0.000643	0.000963	0.699009
4	2020	Access Ro	Fencing	Tractors/L	Diesel	100	0.21	64	0.005882	0.004554	5.98E-06	0.000812	0.000747	0.000968	0.932899
4	2020	Access Ro	Grading	Dozer	Diesel	175	0.59	5.4723	0.000231	0.000533	1.72E-06	4.75E-05	4.37E-05	0.000108	0.303054
4	2020	Access Ro	Grading	Grader	Diesel	300	0.59	5.4723	0.00026	0.000805	2.88E-06	4.01E-05	3.69E-05	0.000171	0.519539
4	2020	Access Ro	Grading	Roller	Diesel	100	0.59	5.4723	0.000464	0.000465	1.12E-06	5.57E-05	5.13E-05	7.49E-05	0.192306
4	2020	Access Ro	Hydroseed	Hydroseed	Diesel	600	0.59	4.93	0.000423	0.001209	5.09E-06	4.87E-05	4.48E-05	0.000292	0.936138
4	2020	Access Ro	Hydroseed	Off-Road T	Diesel	600	0.59	4.93	0.000423	0.001209	5.09E-06	4.87E-05	4.48E-05	0.000292	0.936138
4	2020	Access Ro	Markings	Flatbed Tr	Diesel	600	0.59	78.99429	0.006773	0.019369	8.16E-05	0.000781	0.000719	0.004386	14.99991
4	2020	Access Ro	Markings	Other Gen	Diesel	175	0.43	78.99429	0.002514	0.009179	1.89E-05	0.000605	0.000557	0.001168	3.153524
4	2020	Access Ro	Markings	Pickup Tru	Diesel	600	0.59	78.99429	0.006773	0.019369	8.16E-05	0.000781	0.000719	0.004386	14.99991
4	2020	Access Ro	Sidewalks	Concrete T	Diesel	600	0.59	115.2	0.009877	0.028246	0.000119	0.001139	0.001048	0.006388	21.87488
4	2020	Access Ro	Sidewalks	Dump Tru	Diesel	600	0.59	115.2	0.009877	0.028246	0.000119	0.001139	0.001048	0.006388	21.87488
4	2020	Access Ro	Sidewalks	Pickup Tru	Diesel	600	0.59	115.2	0.009877	0.028246	0.000119	0.001139	0.001048	0.006388	21.87488
4	2020	Access Ro	Sidewalks	Tractors/L	Diesel	100	0.21	115.2	0.010588	0.008197	1.08E-05	0.001461	0.001344	0.001703	1.679219
4	2020	Access Ro	Sidewalks	Vibratory (	Diesel	6	0.43	115.2	0.001459	0.001456	1.30E-06	0.000128	0.000118	0.000201	0.174916
4	2020	Access Ro	Soil Erosio	Other Gen	Diesel	175	0.43	4.4	0.00014	0.000511	1.05E-06	3.37E-05	3.10E-05	8.12E-05	0.175652
4	2020	Access Ro	Soil Erosio	Pickup Tru	Diesel	600	0.59	8.8	0.000755	0.002158	9.09E-06	8.70E-05	8.00E-05	0.000506	1.670997
4	2020	Access Ro	Soil Erosio	Pumps	Diesel	11	0.43	4.4	0.000102	0.000105	9.10E-08	9.58E-06	8.81E-06	1.60E-05	0.012246
4	2020	Access Ro	Soil Erosio	Tractors/L	Diesel	100	0.21	4.4	0.000404	0.000313	4.11E-07	5.58E-05	5.13E-05	0.000113	0.064137
4	2020	Access Ro	Street Ligh	Dump Tru	Diesel	600	0.59	38.4	0.003292	0.009415	3.97E-05	0.00038	0.000349	0.002142	7.291625
4	2020	Access Ro	Street Ligh	Loader	Diesel	175	0.59	38.4	0.00209	0.00488	1.24E-05	0.000461	0.000424	0.000736	2.126447
4	2020	Access Ro	Street Ligh	Other Gen	Diesel	175	0.43	38.4	0.001222	0.004462	9.20E-06	0.000294	0.000271	0.000577	1.532963
4	2020	Access Ro	Street Ligh	Pickup Tru	Diesel	600	0.59	38.4	0.003292	0.009415	3.97E-05	0.00038	0.000349	0.002142	7.291625
4	2020	Access Ro	Street Ligh	Skid Steer	Diesel	75	0.21	38.4	0.002869	0.003116	2.80E-06	0.000419	0.000386	0.000591	0.419406
4	2020	Access Ro	Street Ligh	Tractors/L	Diesel	100	0.21	38.4	0.003529	0.002732	3.59E-06	0.000487	0.000448	0.000601	0.55974
4	2020	Access Ro	Subbase P	Dozer	Diesel	175	0.59	8.076211	0.000341	0.000786	2.54E-06	7.01E-05	6.45E-05	0.000154	0.447257
4	2020	Access Ro	Subbase P	Dump Tru	Diesel	600	0.59	56.83111	0.004873	0.013934	5.87E-05	0.000562	0.000517	0.003161	10.79144

4	2020	Access Roa	Subbase P	Pickup Tru	Diesel	600	0.59	8.076211	0.000692	0.00198	8.35E-06	7.98E-05	7.35E-05	0.000466	1.53356		
4	2020	Access Roa	Subbase P	Roller	Diesel	100	0.59	7.868923	0.000667	0.000669	1.62E-06	8.01E-05	7.37E-05	0.000102	0.276527		
4	2020	Access Roa	Topsoil Pla	Dozer	Diesel	175	0.59	12.16133	0.000513	0.001184	3.82E-06	0.000106	9.71E-05	0.000226	0.67349		
4	2020	Access Roa	Topsoil Pla	Dump Truc	Diesel	600	0.59	12.16133	0.001043	0.002982	1.26E-05	0.00012	0.000111	0.000691	2.309268		
4	2020	Access Roa	Topsoil Pla	Pickup Tru	Diesel	600	0.59	12.16133	0.001043	0.002982	1.26E-05	0.00012	0.000111	0.000691	2.309268		
4	2020	Access Roa	Tree Planti	Flatbed Tr	Diesel	600	0.59	0	0	0	0	0	0	1.91E-05	0		
4	2020	Access Roa	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	1.71E-05	0		
4	2020	Access Roa	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	1.91E-05	0		
4	2020	Access Roa	Tree Planti	Tractors/L	Diesel	100	0.21	0	0	0	0	0	0	5.03E-05	0		
4	2020	Building -	Concrete F	Backhoe	Diesel	100	0.21	480	0.044115	0.034153	4.49E-05	0.006089	0.005601	0.006935	6.996745		
4	2020	Building -	Concrete F	Concrete F	Diesel	11	0.43	180	0.004185	0.004312	3.72E-06	0.000392	0.000361	0.000602	0.500989		
4	2020	Building -	Concrete F	Concrete F	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019921	68.35899		
4	2020	Building -	Concrete F	Excavator	Diesel	175	0.59	160	0.005322	0.012769	4.92E-05	0.000986	0.000907	0.002703	8.861037		
4	2020	Building -	Concrete F	Fork Truck	Diesel	100	0.59	480	0.01448	0.01261	9.04E-05	0.000684	0.000629	0.004388	16.8711		
4	2020	Building -	Concrete F	Tool Truck	Diesel	600	0.59	120	0.010289	0.029423	0.000124	0.001186	0.001091	0.006653	22.78633		
4	2020	Building -	Concrete F	Tractor Tra	Diesel	600	0.59	240	0.020578	0.058845	0.000248	0.002373	0.002183	0.013287	45.57266		
4	2020	Building -	Constructi	Survey Cre	Diesel	600	0.59	10	0.000857	0.002452	1.03E-05	9.89E-05	9.10E-05	0.000572	1.898861		
4	2020	Building -	Constructi	Tractor Tra	Diesel	600	0.59	4	0.000343	0.000981	4.13E-06	3.95E-05	3.64E-05	0.00024	0.759544		
4	2020	Building -	Exterior W	Fork Truck	Diesel	100	0.59	840	0.025339	0.022068	0.000158	0.001197	0.001101	0.007678	29.52443		
4	2020	Building -	Exterior W	Generator	Diesel	40	0.43	80	0.001779	0.006134	5.20E-06	0.000342	0.000314	0.000483	0.811032		
4	2020	Building -	Exterior W	Grout Mix	Diesel	600	0.59	420	0.161174	0.376913	0.000504	0.023023	0.021181	0.031455	79.72974		
4	2020	Building -	Exterior W	Grout Whe	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008864	30.38177		
4	2020	Building -	Exterior W	Man Lift	Diesel	75	0.21	1680	0.115175	0.138655	0.000122	0.015702	0.014445	0.022923	18.35316		
4	2020	Building -	Exterior W	Tool Truck	Diesel	600	0.59	420	0.036011	0.102979	0.000434	0.004152	0.00382	0.023238	79.75215		
4	2020	Building -	Exterior W	Tractor Tra	Diesel	600	0.59	840	0.072023	0.205959	0.000868	0.008305	0.00764	0.046458	159.5043		
4	2020	Building -	Exterior W	Truck Tow	Diesel	300	0.43	80	0.002742	0.012455	3.16E-05	0.000532	0.000489	0.001819	5.47542		
4	2020	Building -	Interior Bu	Fork Truck	Diesel	100	0.59	1600	0.048265	0.042033	0.000301	0.00228	0.002098	0.014623	56.23701		
4	2020	Building -	Interior Bu	Man Lift	Diesel	75	0.21	3200	0.219382	0.264106	0.000233	0.029908	0.027515	0.04365	34.95841		
4	2020	Building -	Interior Bu	Tool Truck	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088473	303.8177		
4	2020	Building -	Interior Bu	Tractor Tra	Diesel	600	0.59	1600	0.137186	0.392302	0.001653	0.015819	0.014553	0.088473	303.8177		
4	2020	Building -	Roofing	High Lift	Diesel	100	0.59	160	0.004827	0.004203	3.01E-05	0.000228	0.00021	0.001464	5.623701		
4	2020	Building -	Roofing	Man Lift	Diesel	75	0.21	40	0.002742	0.003301	2.91E-06	0.000374	0.000344	0.00056	0.43698		
4	2020	Building -	Roofing	Material D	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003336	11.39316		
4	2020	Building -	Roofing	Tractor Tra	Diesel	600	0.59	40	0.00343	0.009808	4.13E-05	0.000395	0.000364	0.00223	7.595443		
4	2020	Building -	Roofing	Truck Tow	Diesel	300	0.43	120	0.004114	0.018682	4.74E-05	0.000797	0.000734	0.002718	8.21313		
4	2020	Building -	Security &	High Lift	Diesel	100	0.59	800	0.024133	0.021017	0.000151	0.00114	0.001049	0.007312	28.11851		
4	2020	Building -	Security &	Tool Truck	Diesel	600	0.59	800	0.068593	0.196151	0.000827	0.007909	0.007277	0.044246	151.9089		
4	2020	Building -	Structural	90 Ton Cra	Diesel	300	0.43	240	0.008227	0.037365	9.48E-05	0.001595	0.001467	0.005415	16.42626		
4	2020	Building -	Structural	Concrete F	Diesel	11	0.43	60	0.001395	0.001437	1.24E-06	0.000131	0.00012	0.000202	0.166996		
4	2020	Building -	Structural	Concrete T	Diesel	600	0.59	60	0.005144	0.014711	6.20E-05	0.000593	0.000546	0.003336	11.39316		
4	2020	Building -	Structural	Fork Truck	Diesel	100	0.59	640	0.019306	0.016813	0.000121	0.000912	0.000839	0.00585	22.49481		
4	2020	Building -	Structural	Tool Truck	Diesel	600	0.59	160	0.013719	0.03923	0.000165	0.001582	0.001455	0.008864	30.38177		
4	2020	Building -	Structural	Tractor Tra	Diesel	600	0.59	360	0.030867	0.088268	0.000372	0.003559	0.003274	0.019921	68.35899		
4	2020	Building -	Structural	Trowel Ma	Diesel	600	0.59	40	0.01535	0.035897	4.80E-05	0.002193	0.002017	0.00307	7.593308		
4	2020	Building -	Structural	Truck Tow	Diesel	300	0.43	720	0.024682	0.112094	0.000284	0.004785	0.004402	0.0162	49.27878		
4	2020	Parking Lo	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	52.4475	0.002608	0.005993	1.68E-05	0.000563	0.000518	0.000971	2.90442		
4	2020	Parking Lo	Asphalt Pla	Dump Truc	Diesel	600	0.59	188.8936	0.016196	0.046315	0.000195	0.001868	0.001718	0.010462	35.86827		
4	2020	Parking Lo	Asphalt Pla	Other Gen	Diesel	175	0.43	104.895	0.003339	0.012189	2.51E-05	0.000804	0.000739	0.001546	4.187504		
4	2020	Parking Lo	Asphalt Pla	Pickup Tru	Diesel	600	0.59	52.4475	0.004497	0.01286	5.42E-05	0.000519	0.000477	0.002919	9.95905		
4	2020	Parking Lo	Asphalt Pla	Roller	Diesel	100	0.59	52.4475	0.004447	0.004456	1.08E-05	0.000534	0.000491	0.000614	1.843095		
4	2020	Parking Lo	Asphalt Pla	Skid Steer	Diesel	75	0.21	52.4475	0.003919	0.004256	3.82E-06	0.000573	0.000527	0.000795	0.572833		
4	2020	Parking Lo	Asphalt Pla	Surfacing E	Diesel	25	0.59	67.1328	0.002597	0.004867	4.38E-06	0.000385	0.000355	0.000516	0.588904		
4	2020	Parking Lo	Clearing ar	Chain Saw	Diesel	11	0.7	112.8	0.281039	0.001267	0.000134	0.009333	0.008587	0.061694	0.595829	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
4	2020	Parking Lo	Clearing ar	Chipper/St	Diesel	100	0.43	112.8	0.009077	0.016115	1.85E-05	0.001572	0.001446	0.001876	2.858386		
4	2020	Parking Lo	Clearing ar	Pickup Tru	Diesel	600	0.59	150.4	0.012895	0.036876	0.000155	0.001487	0.001368	0.008334	28.55887		
4	2020	Parking Lo	Concrete F	Air Compr	Diesel	100	0.43	139.86	0.007324	0.011895	2.15E-05	0.001048	0.000964	0.001407	3.546652		
4	2020	Parking Lo	Concrete F	Concrete S	Diesel	40	0.59	139.86	0.001901	0.012055	1.12E-05	0.00026	0.000239	0.00061	1.966057		
4	2020	Parking Lo	Concrete F	Concrete T	Diesel	600	0.59	582.75	0.049966	0.142884	0.000602	0.005761	0.005301	0.032236	110.6561		
4	2020	Parking Lo	Concrete F	Other Gen	Diesel	175	0.43	279.72	0.008903	0.032504	6.70E-05	0.002143	0.001972	0.004093	11.16668		
4	2020	Parking Lo	Concrete F	Pickup Tru	Diesel	600	0.59	419.58	0.035975	0.102876	0.000434	0.004148	0.003816	0.023215	79.6724		
4	2020	Parking Lo	Concrete F	Rubber Tir	Diesel	175	0.59	139.86	0.007611	0.017773	4.53E-05	0.001678	0.001544	0.002638	7.74492		
4	2020	Parking Lo	Concrete F	Slip Form I	Diesel	175	0.59	139.86	0.006954	0.01598	4.48E-05	0.001501	0.001381	0.002564	7.745119		
4	2020	Parking Lo	Concrete F	Surfacing E	Diesel	25	0.59	139.86	0.00541	0.01014	9.12E-06	0.000803	0.000739	0.001074	1.226883		
4	2020	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	63	0.005402	0.015447	6.51E-05	0.000623	0.000573	0.003502	11.96282		
4	2020	Parking Lo	Curbing	Curb/Gutt	Diesel	175	0.59	63	0.003133	0.007198	2.02E-05	0.000676	0.000622	0.001163	3.488792		
4	2020	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	63	0.002005	0.007321	1.51E-05	0.000483	0.000444	0.000935	2.515017		
4	2020	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	63	0.005402	0.015447	6.51E-05	0.000623	0.000573	0.003502	11.96282		
4	2020	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	101.12	0.004267	0.009844	3.18E-05	0.000878	0.000808	0.001784	5.599986		
4	2020	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	101.12	0.00867	0.024793	0.000104	0.001	0.00092	0.005609	19.20128		
4	2020	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	101.12	0.003363	0.00807	3.11E-05	0.000623	0.000573	0.001712	5.600175		
4	2020	Parking Lo	Drainage -	Loader	Diesel	175	0.59	101.12	0.005503	0.01285	3.27E-05	0.001213	0.001116	0.001912	5.599645		
4	2020	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	101.12	0.003218	0.01175	2.42E-05	0.000775	0.000713	0.001491	4.036802		
4	2020	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	101.12	0.00867	0.024793	0.000104	0.001	0.00092	0.005609	19.20128		
4	2020	Parking Lo	Drainage -	Roller	Diesel	100	0.59	101.12	0.008574	0.008592	2.08E-05	0.00103	0.000947	0.001173	3.553529		
4	2020	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	168.5333	0.01445	0.041322	0.000174	0.001666	0.001533	0.009336	32.00213		
4	2020	Parking Lo	Drainage -	Loader	Diesel	175	0.59	168.5333	0.009172	0.021417	5.45E-05	0.002022	0.00186	0.003176	9.332741		
4	2020	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	168.5333	0.005364	0.019584	4.04E-05	0.001291	0.001188	0.002473	6.728004		
4	2020	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	168.5333	0.01445	0.041322	0.000174	0.001666	0.001533	0.009336	32.00213		
4	2020	Parking Lo	Drainage -	Tractors/L	Diesel	100	0.21	168.5333	0.015489	0.011992	1.58E-05	0.002138	0.001967	0.002468	2.456635		
4	2020	Parking Lo	Excavation	Dozer	Diesel	175	0.59	233.1	0.009837	0.022693	7.32E-05	0.002024	0.001862	0.004095	12.90899		
4	2020	Parking Lo	Excavation	Dump Truc	Diesel	600	0.59	233.1	0.019986	0.057153	0.000241	0.002305	0.00212	0.012906	44.26244		
4	2020	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	233.1	0.019986	0.057153	0.000241	0.002305	0.00212	0.012906	44.26244		
4	2020	Parking Lo	Excavation	Roller	Diesel	100	0.59	107.5846	0.009122	0.009142	2.21E-05	0.001096	0.001008	0.001247	3.780707		
4	2020	Parking Lo	Excavation	Dozer	Diesel	175	0.59	174.825	0.007378	0.01702	5.49E-05	0.001518	0.001396	0.003075	9.68174		
4	2020	Parking Lo	Excavation	Dump Truc	Diesel	600	0.59	466.2	0.039973	0.114307	0.000482	0.004609	0.00424	0.025792	88.52489		
4	2020	Parking Lo	Excavation	Excavator	Diesel	175	0.59	139.86	0.004652	0.011162	4.30E-05	0.000862	0.000793	0.002364	7.745654		
4	2020	Parking Lo	Excavation	Pickup Tru	Diesel	600	0.59	139.86	0.011992	0.034292	0.000145	0.001383	0.001272	0.007751	26.55747		
4	2020	Parking Lo	Excavation	Roller	Diesel	100	0.59	139.86	0.011858	0.011884	2.87E-05	0.001424	0.00131	0.001617	4.914919		
4	2020	Parking Lo	Excavation	Scraper	Diesel	600	0.59	174.825	0.037184	0.092385	0.000197	0.005491	0.005051	0.010584	33.19446		
4	2020	Parking Lo	Excavation	Dozer	Diesel	175	0.59	65.81647	0.002777	0.006407	2.07E-05	0.000571	0.000526	0.001165	3.64489		
4	2020	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	35	0.003001	0.008582	3.62E-05	0.000346	0.000318	0.001954	6.646012		
4	2020	Parking Lo	Fencing	Dump Truc	Diesel	600	0.59	140	0.012004	0.034326	0.000145	0.001384	0.001273	0.007759	26.58405		
4	2020	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	140	0.004456	0.016268	3.35E-05	0.001073	0.000987	0.002057	5.588927		
4	2020	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	140	0.012004	0.034326	0.000145	0.001384	0.001273	0.007759	26.58405		
4	2020	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	140	0.010462	0.01136	1.02E-05	0.001528	0.001406	0.002068	1.529083		
4	2020	Parking Lo	Fencing	Tractors/L	Diesel	100	0.21	140	0.012867	0.009961	1.31E-05	0.001776	0.001634	0.002058	2.040717		
4	2020	Parking Lo	Grading	Dozer	Diesel	175	0.59	45.5988	0.001924	0.004439	1.43E-05	0.000396	0.000364	0.000811	2.525244		
4	2020	Parking Lo	Grading	Grader	Diesel	300	0.59	45.5988	0.002163	0.006711	2.40E-05	0.000335	0.000308	0.001329	4.329138		
4	2020	Parking Lo	Grading	Roller	Diesel	100	0.59	45.5988	0.003866	0.003875	9.37E-06	0.000464	0.000427	0.000535	1.60242		
4	2020	Parking Lo	Hydroseed	Hydroseed	Diesel	600	0.59	41.08	0.003522	0.010072	4.25E-05	0.000406	0.000374	0.00229	7.80052		
4	2020	Parking Lo	Hydroseed	Off-Road T	Diesel	600	0.59	41.08	0.003522	0.010072	4.25E-05	0.000406	0.000374	0.00229	7.80052		
4	2020	Parking Lo	Markings	Flatbed Tr	Diesel	600	0.59	14.94857	0.001282	0.003665	1.54E-05	0.000148	0.000136	0.000845	2.838525		
4	2020	Parking Lo	Markings	Other Gen	Diesel	175	0.43	14.94857	0.000476	0.001737	3.58E-06	0.000115	0.000105	0.000235	0.596761		
4	2020	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	14.94857	0.001282	0.003665	1.54E-05	0.000148	0.000136	0.000845	2.838525		
4	2020	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	126	0.010803	0.030894	0.00013	0.001246	0.001146	0.006985	23.92564		
4	2020	Parking Lo	Sidewalks	Dump Truc	Diesel	600	0.59	126	0.010803	0.030894	0.00013	0.001246	0.001146	0.006985	23.92564		
4	2020	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	126	0.010803	0.030894	0.00013	0.001246	0.001146	0.006985	23.92564		
4	2020	Parking Lo	Sidewalks	Tractors/L	Diesel	100	0.21	126	0.01158	0.008965	1.18E-05	0.001598	0.00147	0.001858	1.836646		
4	2020	Parking Lo	Sidewalks	Vibratory (	Diesel	6	0.43	126	0.001596	0.001592	1.42E-06	0.00014	0.000129	0.00022	0.191314		
4	2020	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	37.6	0.001197	0.004369	9.01E-06	0.000288	0.000265	0.000565	1.501026		
4	2020	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	75.2	0.006448	0.018438	7.77E-05	0.000743	0.000684	0.004176	14.27943		
4	2020	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	37.6	0.000874	0.000901	7.78E-07	8.19E-05	7.53E-05	0.000127	0.104651		
4	2020	Parking Lo	Soil Erosio	Tractors/L	Diesel	100	0.21	37.6	0.003456	0.002675	3.52E-06	0.000477	0.000439	0.00059	0.548078		
4	2020	Parking Lo	Street Ligh	Dump Truc	Diesel	600	0.59	25.33333	0.002172	0.006211	2.62E-05	0.00025	0.00023	0.00142	4.810447		
4	2020	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	25.33333	0.001379	0.003219	8.20E-06	0.000304	0.00028	0.000491	1.402865		
4	2020	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	25.33333	0.000806	0.002944	6.07E-06	0.000194	0.000179	0.000386	1.01133		
4	2020	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	25.33333	0.002172	0.006211	2.62E-05	0.00025	0.00023	0.00142	4.810447		
4	2020	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	25.33333	0.001893	0.002056	1.84E-06	0.000277	0.000254	0.000401	0.276691		
4	2020	Parking Lo	Street Ligh	Tractors/L	Diesel	100	0.21	25.33333	0.002328	0.001803	2.37E-06	0.000321	0.000296	0.000414	0.369273		
4	2020	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	88.33263	0.003728	0.0086	2.78E-05	0.000767	0.000706	0.00156	4.891827		
4	2020	Parking Lo	Subbase P	Dump Truc	Diesel	600	0.59	621.6	0.053297	0.152409	0.000642	0.006146	0.005654	0.034384	118.0332		
4	2020	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	88.33263	0.007574	0.021658	9.13E-05	0.000873	0.000803	0.004902	16.77314		
4	2020	Parking Lo	Subbase P	Roller	Diesel	100	0.59	86.06769	0.007297	0.007313	1.77E-05	0.000876	0.000806	0.001	3.024565		
4	2020	Parking Lo	Topsoil Pla	Dozer	Diesel	175	0.59	101.3307	0.004276	0.009865	3.18E-05	0.00088	0.000809	0.001787	5.611653		
4	2020	Parking Lo	Topsoil Pla	Dump Truc	Diesel	600	0.59	101.3307	0.008688	0.024845	0.000105	0.001002	0.000922	0.005621	19.24128		
4	2020	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	600	0.59	101.3307	0.008688	0.024845	0.000105	0.001002	0.000922	0.005621	19.24128		
4	2020	Parking Lo	Tree Planti	Flatbed Tr	Diesel	600	0.59	0	0	0	0	0	0	1.91E-05	0		
4	2020	Parking Lo	Tree Planti	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	1.71E-05	0		
4	2020	Parking Lo	Tree Planti	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	1.91E-05	0		
4	2020	Parking Lo	Tree Planti	Tractors/L	Diesel	100	0.21	0	0	0	0	0	0	5.03E-05	0		
4	2020	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	5.671375	0.000282	0.000648	1.81E-06	6.09E-05	5.60E-05	0.000118	0.314067		
4	2020	Terminal A	Asphalt Pla	Dump Truc	Diesel	600	0.59	20.42589	0.001751	0.005008	2.11E-05	0.000202	0.000186	0.001148	3.878591		
4	2020	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	11.34275	0.000361	0.001318	2.72E-06	8.69E-05	8.00E-05	0.000182	0.452813		
4	2020	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	5.671375	0.000486	0.001391	5.86E-06	5.61E-05	5.16E-05	0.000333	1.076915		
4	2020	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	5.671375	0.000481	0.000482	1.17E-06	5.78E-05	5.31E-05	7.72E-05	0.199302		
4	2020	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	5.671375	0.000424	0.00046	4.13E-07	6.19E-05	5.70E-05	0.000115	0.061943		
4	2020	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	7.25936	0.000281	0.000526	4.73E-07	4.17E-05	3.83E-05	5.60E-05	0.063681		
4	2020	Terminal A	Clearing ar	Chain Saw	Diesel	11	0.7	13.2	0.032888	0.000148	1.57E-05	0.001092	0.001005	0.009374	0.069725	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
4	2020	Terminal A	Clearing ar	Chipper/St	Diesel	100	0.43	13.2	0.001062	0.001886	2.17E-06	0.000184	0.000169	0.000225	0.334492		
4	2020	Terminal A	Clearing ar	Pickup Tru	Diesel	600	0.59	17.6	0.001509	0.004315	1.82E-05	0.000174	0.00016	0.000992	3.341995		
4	2020	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	15.124	0.000792	0.001286	2.33E-06	0.000113	0.000104	0.000169	0.383523		
4	2020	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	15.124	0.000206	0.001304	1.21E-06	2.81E-05	2.59E-05	6.62E-05	0.212603		

4	2020	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	63.01667	0.005403	0.015451	6.51E-05	0.000623	0.000573	0.003503	11.96599	
4	2020	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	30.248	0.000963	0.003515	7.25E-06	0.000232	0.000213	0.000458	1.207528	
4	2020	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	45.372	0.00389	0.011125	4.69E-05	0.000449	0.000413	0.002527	8.615511	
4	2020	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	15.124	0.000823	0.001922	4.90E-06	0.000181	0.000167	0.0003	0.83751	
4	2020	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	15.124	0.000752	0.001728	4.84E-06	0.000162	0.000149	0.00029	0.837532	
4	2020	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	15.124	0.000585	0.001097	9.86E-07	8.68E-05	7.99E-05	0.000116	0.132671	
4	2020	Terminal A	Drainage -	Dozer	Diesel	175	0.59	12.32	0.00052	0.001199	3.87E-06	0.000107	9.84E-05	0.000228	0.682277	
4	2020	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	12.32	0.001056	0.003021	1.27E-05	0.000122	0.000112	0.0007	2.339396	
4	2020	Terminal A	Drainage -	Excavator	Diesel	175	0.59	12.32	0.00041	0.000983	3.79E-06	7.59E-05	6.98E-05	0.000217	0.6823	
4	2020	Terminal A	Drainage -	Loader	Diesel	175	0.59	12.32	0.00067	0.001566	3.99E-06	0.000148	0.000136	0.000247	0.682235	
4	2020	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	12.32	0.000392	0.001432	2.95E-06	9.44E-05	8.68E-05	0.000197	0.491826	
4	2020	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	12.32	0.001056	0.003021	1.27E-05	0.000122	0.000112	0.0007	2.339396	
4	2020	Terminal A	Drainage -	Roller	Diesel	100	0.59	12.32	0.001045	0.001047	2.53E-06	0.000125	0.000115	0.000153	0.432946	
4	2020	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	6.844444	0.000587	0.001678	7.07E-06	6.77E-05	6.23E-05	0.000397	1.299665	
4	2020	Terminal A	Drainage -	Loader	Diesel	175	0.59	6.844444	0.000372	0.00087	2.22E-06	8.21E-05	7.56E-05	0.000145	0.37902	
4	2020	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	6.844444	0.000218	0.000795	1.64E-06	5.24E-05	4.82E-05	0.000117	0.273236	
4	2020	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	6.844444	0.000587	0.001678	7.07E-06	6.77E-05	6.23E-05	0.000397	1.299665	
4	2020	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	6.844444	0.000629	0.000487	6.40E-07	8.68E-05	7.99E-05	0.000149	0.099768	
4	2020	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	960	0.082312	0.235381	0.000992	0.009491	0.008732	0.053092	182.2906	
4	2020	Terminal A	Excavation	Dozer	Diesel	175	0.59	25.20667	0.001064	0.002454	7.92E-06	0.000219	0.000201	0.000454	1.395935	
4	2020	Terminal A	Excavation	Dump Tru	Diesel	600	0.59	25.20667	0.002161	0.00618	2.60E-05	0.000249	0.000229	0.001413	4.786395	
4	2020	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	25.20667	0.002161	0.00618	2.60E-05	0.000249	0.000229	0.001413	4.786395	
4	2020	Terminal A	Excavation	Roller	Diesel	100	0.59	11.63385	0.000986	0.000989	2.39E-06	0.000118	0.000109	0.000146	0.408833	
4	2020	Terminal A	Excavation	Dozer	Diesel	175	0.59	18.905	0.000798	0.00184	5.94E-06	0.000164	0.000151	0.000344	1.046951	
4	2020	Terminal A	Excavation	Dump Tru	Diesel	600	0.59	50.41333	0.004322	0.012361	5.21E-05	0.000498	0.000459	0.002806	9.57279	
4	2020	Terminal A	Excavation	Excavator	Diesel	175	0.59	15.124	0.000503	0.001207	4.65E-06	9.32E-05	8.57E-05	0.000264	0.83759	
4	2020	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	15.124	0.001297	0.003708	1.56E-05	0.00015	0.000138	0.000855	2.871837	
4	2020	Terminal A	Excavation	Roller	Diesel	100	0.59	15.124	0.001282	0.001285	3.11E-06	0.000154	0.000142	0.000186	0.531483	
4	2020	Terminal A	Excavation	Scraper	Diesel	600	0.59	18.905	0.004021	0.00999	2.13E-05	0.000594	0.000546	0.001194	3.589539	
4	2020	Terminal A	Excavation	Dozer	Diesel	175	0.59	7.11702	0.0003	0.000693	2.24E-06	6.18E-05	5.68E-05	0.000137	0.394138	
4	2020	Terminal A	Fencing	Concrete T	Diesel	600	0.59	4.166667	0.000357	0.001022	4.31E-06	4.12E-05	3.79E-05	0.000249	0.791192	
4	2020	Terminal A	Fencing	Dump Tru	Diesel	600	0.59	16.66667	0.001429	0.004086	1.72E-05	0.000165	0.000152	0.00094	3.164768	
4	2020	Terminal A	Fencing	Other Gen	Diesel	175	0.43	16.66667	0.00053	0.001937	3.99E-06	0.000128	0.000117	0.00026	0.665349	
4	2020	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	16.66667	0.001429	0.004086	1.72E-05	0.000165	0.000152	0.00094	3.164768	
4	2020	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	16.66667	0.001245	0.001352	1.21E-06	0.000182	0.000167	0.000275	0.182034	
4	2020	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	16.66667	0.001532	0.001186	1.56E-06	0.000211	0.000194	0.000289	0.242943	
4	2020	Terminal A	Grading	Dozer	Diesel	175	0.59	5.0855	0.000215	0.000495	1.60E-06	4.41E-05	4.06E-05	0.000102	0.281633	
4	2020	Terminal A	Grading	Grader	Diesel	300	0.59	5.0855	0.000241	0.000748	2.68E-06	3.73E-05	3.43E-05	0.00016	0.482816	
4	2020	Terminal A	Grading	Roller	Diesel	100	0.59	5.0855	0.000431	0.000432	1.04E-06	5.18E-05	4.76E-05	7.04E-05	0.178713	
4	2020	Terminal A	Hydroseed	Hydroseed	Diesel	600	0.59	4.5815	0.000393	0.001123	4.73E-06	4.53E-05	4.17E-05	0.000272	0.869963	
4	2020	Terminal A	Hydroseed	Off-Road T	Diesel	600	0.59	4.5815	0.000393	0.001123	4.73E-06	4.53E-05	4.17E-05	0.000272	0.869963	
4	2020	Terminal A	Lighting	Dump Tru	Diesel	600	0.59	6.453333	0.000553	0.001582	6.67E-06	6.38E-05	5.87E-05	0.000376	1.225398	
4	2020	Terminal A	Lighting	Loader	Diesel	175	0.59	6.453333	0.000351	0.00082	2.09E-06	7.74E-05	7.12E-05	0.000137	0.357361	
4	2020	Terminal A	Lighting	Other Gen	Diesel	175	0.43	6.453333	0.000205	0.00075	1.55E-06	4.94E-05	4.55E-05	0.000111	0.257623	
4	2020	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	6.453333	0.000553	0.001582	6.67E-06	6.38E-05	5.87E-05	0.000376	1.225398	
4	2020	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	6.453333	0.000482	0.000524	4.70E-07	7.04E-05	6.48E-05	0.000126	0.070483	
4	2020	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	6.453333	0.000593	0.000459	6.03E-07	8.19E-05	7.53E-05	0.000143	0.094067	
4	2020	Terminal A	Markings	Flatbed Tr	Diesel	600	0.59	93.42857	0.008011	0.022908	9.66E-05	0.000924	0.00085	0.005184	17.74078	
4	2020	Terminal A	Markings	Other Gen	Diesel	175	0.43	93.42857	0.002974	0.010856	2.24E-05	0.000716	0.000659	0.001378	3.729754	
4	2020	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	93.42857	0.008011	0.022908	9.66E-05	0.000924	0.00085	0.005184	17.74078	
4	2020	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	12.09893	0.001037	0.002967	1.25E-05	0.00012	0.00011	0.000688	2.297419	
4	2020	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	12.09893	0.000385	0.001406	2.90E-06	9.27E-05	8.53E-05	0.000193	0.483	
4	2020	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	12.09893	0.001037	0.002967	1.25E-05	0.00012	0.00011	0.000688	2.297419	
4	2020	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	4.4	0.00014	0.000511	1.05E-06	3.37E-05	3.10E-05	8.12E-05	0.175652	
4	2020	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	8.8	0.000755	0.002158	9.09E-06	8.70E-05	8.00E-05	0.000506	1.670997	
4	2020	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.4	0.000102	0.000105	9.10E-08	9.58E-06	8.81E-06	1.60E-05	0.012246	
4	2020	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	4.4	0.000404	0.000313	4.11E-07	5.58E-05	5.13E-05	0.000113	0.064137	
4	2020	Terminal A	Subbase P	Dozer	Diesel	175	0.59	9.551789	0.000403	0.00093	3.00E-06	8.29E-05	7.63E-05	0.00018	0.528974	
4	2020	Terminal A	Subbase P	Dump Tru	Diesel	600	0.59	67.21778	0.005763	0.016481	6.95E-05	0.000665	0.000611	0.003735	12.76372	
4	2020	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	9.551789	0.000819	0.002342	9.87E-06	9.44E-05	8.69E-05	0.000547	1.813752	
4	2020	Terminal A	Subbase P	Roller	Diesel	100	0.59	9.307077	0.000789	0.000791	1.91E-06	9.48E-05	8.72E-05	0.000119	0.327067	
4	2020	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	11.30133	0.000477	0.0011	3.55E-06	9.81E-05	9.03E-05	0.000211	0.625863	
4	2020	Terminal A	Topsoil Pla	Dump Tru	Diesel	600	0.59	11.30133	0.000969	0.002771	1.17E-05	0.000112	0.000103	0.000644	2.145966	
4	2020	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	11.30133	0.000969	0.002771	1.17E-05	0.000112	0.000103	0.000644	2.145966	
5	2020	Taxiways	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	14.74563	0.000733	0.001685	4.72E-06	0.000158	0.000146	0.000287	0.816578	
5	2020	Taxiways	Asphalt Pl	Dump Tru	Diesel	600	0.59	53.10748	0.004553	0.013021	5.49E-05	0.000525	0.000483	0.00296	10.08437	
5	2020	Taxiways	Asphalt Pl	Other Gen	Diesel	175	0.43	29.49125	0.000939	0.003427	7.06E-06	0.000226	0.000208	0.000451	1.177318	
5	2020	Taxiways	Asphalt Pl	Pickup Tru	Diesel	600	0.59	14.74563	0.001264	0.003615	1.52E-05	0.000146	0.000134	0.000839	2.799989	
5	2020	Taxiways	Asphalt Pl	Roller	Diesel	100	0.59	14.74563	0.00125	0.001253	3.03E-06	0.00015	0.000138	0.000184	0.518186	
5	2020	Taxiways	Asphalt Pl	Skid Steer	Diesel	75	0.21	14.74563	0.001102	0.001197	1.07E-06	0.000161	0.000148	0.000255	0.161052	
5	2020	Taxiways	Asphalt Pl	Surfacing E	Diesel	25	0.59	18.8744	0.00073	0.001368	1.23E-06	0.000108	9.97E-05	0.000145	0.16557	
5	2020	Taxiways	Clearing ar	Chain Saw	Diesel	11	0.7	33.6	0.083714	0.000177	4.00E-05	0.00278	0.002558	0.020715	0.177481	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
5	2020	Taxiways	Clearing ar	Chipper/St	Diesel	100	0.43	33.6	0.002704	0.0048	5.52E-06	0.000468	0.000431	0.000565	0.851434	
5	2020	Taxiways	Clearing ar	Pickup Tru	Diesel	600	0.59	44.8	0.003841	0.010984	4.63E-05	0.000443	0.000407	0.002501	8.506896	
5	2020	Taxiways	Concrete F	Air Compr	Diesel	100	0.43	39.3216	0.002059	0.003344	6.05E-06	0.000295	0.000271	0.000414	0.99714	
5	2020	Taxiways	Concrete F	Concrete S	Diesel	40	0.59	39.3216	0.000535	0.003389	3.14E-06	7.32E-05	6.73E-05	0.000172	0.552756	
5	2020	Taxiways	Concrete F	Concrete T	Diesel	600	0.59	163.84	0.014048	0.040172	0.000169	0.00162	0.00149	0.009082	31.11093	
5	2020	Taxiways	Concrete F	Other Gen	Diesel	175	0.43	78.6432	0.002503	0.009138	1.88E-05	0.000603	0.000554	0.001167	3.139508	
5	2020	Taxiways	Concrete F	Pickup Tru	Diesel	600	0.59	117.9648	0.010114	0.028924	0.000122	0.001166	0.001073	0.006546	22.39987	
5	2020	Taxiways	Concrete F	Rubber Tir	Diesel	175	0.59	39.3216	0.00214	0.004997	1.27E-05	0.000472	0.000434	0.000758	2.177482	
5	2020	Taxiways	Concrete F	Slip Form I	Diesel	175	0.59	39.3216	0.001955	0.004493	1.26E-05	0.000422	0.000388	0.000735	2.177538	
5	2020	Taxiways	Concrete F	Surfacing E	Diesel	25	0.59	39.3216	0.001521	0.002851	2.56E-06	0.000226	0.000208	0.000302	0.344938	
5	2020	Taxiways	Drainage -	Dozer	Diesel	175	0.59	45.664	0.001927	0.004446	1.43E-05	0.000396	0.000365	0.000816	2.528854	
5	2020	Taxiways	Drainage -	Dump Tru	Diesel	600	0.59	45.664	0.003915	0.011196	4.72E-05	0.000451	0.000415	0.002548	8.670958	
5	2020	Taxiways	Drainage -	Excavator	Diesel	175	0.59	45.664	0.001519	0.003644	1.40E-05	0.000281	0.000259	0.00078	2.52894	
5	2020	Taxiways	Drainage -	Loader	Diesel	175	0.59	45.664	0.002485	0.005803	1.48E-05	0.000548	0.000504	0.000876	2.5287	
5	2020	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	45.664	0.001453	0.005306	1.09E-05	0.00035	0.000322	0.000687	1.822948	
5	2020	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	45.664	0.003915	0.011196	4.72E-05	0.000451	0.000415	0.002548	8.670958	
5	2020	Taxiways	Drainage -	Roller	Diesel	100	0.59	45.664	0.003872	0.00388	9.38E-06	0.000465	0.000428	0.000539	1.604711	
5	2020	Taxiways	Drainage -	Dump Tru	Diesel	600	0.59	25.36889	0.002175	0.00622	2.62E-05	0.000251	0.000231	0.001426	4.817199	
5	2020	Taxiways	Drainage -	Loader	Diesel	175	0.59	25.36889	0.001381	0.003224	8.21E-06	0.000304	0.00028	0.000496	1.404834	
5	2020	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	25.36889	0.000807	0.002948	6.08E-06	0.000194	0.000179	0.000391	1.012749	
5	2020	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	25.36889	0.002175	0.00622	2.62E-05	0.000251	0.000231	0.001426	4.817199	
5	2020	Taxiways	Drainage -	Tractors/Lo	Diesel	100	0.21	25.36889	0.002332	0.001805	2.37E-06	0.000322	0.000296	0.000427	0.369791	
5	2020	Taxiways	Dust Contr	Water Tru	Diesel	600	0.59	1200	0.102889	0.294226	0.00124	0.011864	0.010915	0.066365	227.8633	
5	2020	Taxiways	Excavation	Dozer	Diesel	175	0.59	65.536	0.002766	0.00638	2.06E-05	0.000569	0.000523	0.001164	3.629358	
5	2020	Taxiways	Excavation	Dump Tru	Diesel	600	0.59	65.536	0.005619	0.016069	6.77E-05	0.000648	0.000596	0.003647	12.44437	
5	2020	Taxiways	Excavation	Pickup Tru	Diesel	600	0.59	65.536	0.005619	0.016069	6.77E-05	0.000648	0.000596	0.003647	12.44437	
5	2020	Taxiways	Excavation	Roller	Diesel	100	0.59	30.24738	0.002565	0.00257	6.21E-06	0.000308	0.000283	0.000362	1.062945	
5	2020	Taxiways	Excavation	Dozer	Diesel	175	0.59	49.152	0.002074	0.004785	1.54E-05	0.000427	0.000393	0.000877	2.722018	
5	2020	Taxiways	Excavation	Dump Tru	Diesel	600	0.59	131.072	0.011238	0.032137	0.000135	0.001296	0.001192	0.00727	24.88875	
5	2020	Taxiways	Excavation	Excavator	Diesel	175	0.59	39.3216	0.001308	0.003138	1.21E-05	0.000242	0.000223	0.000674	2.177688	
5	2020	Taxiways	Excavation	Pickup Tru	Diesel	600	0.59	39.3216	0.003371	0.009641	4.06E-05	0.000389	0.000358	0.002198	7.466624	
5	2020	Taxiways	Excavation	Roller	Diesel	100	0.59	39.3216	0.003334	0.003341	8.08E-06	0.0004	0.000368	0.000466	1.381828	
5	2020	Taxiways	Excavation	Scraper	Diesel	600	0.59	49.152	0.010454	0.025974	5.53E-05	0.001544	0.00142	0.00303	9.332612	
5	2020	Taxiways	Excavation	Dozer	Diesel	175	0.59	18.50431	0.000781	0.001801	5.81E-06	0.000161	0.000148	0.00034	1.024762	
5	2020	Taxiways	Fencing	Concrete T	Diesel	600	0.59	15.74444	0.00135	0.00386	1.63E-05	0.000156	0.000143	0.000894	2.989651	
5	2020	Taxiways	Fencing	Dump Tru	Diesel	600	0.59	62.97778	0.0054	0.015441	6.51E-05	0.000623	0.000573	0.003506	11.9586	
5	2020	Taxiways	Fencing	Other Gen	Diesel	175	0.43	62.97778	0.002004	0.007318	1.51E-05	0.000483	0.000444	0.000939	2.51413	
5	2020	Taxiways	Fencing	Pickup Tru	Diesel	600	0.59	62.97778	0.0054	0.015441	6.51E-05	0.000623	0.000573	0.003506	11.9586	
5	2020	Taxiways	Fencing	Skid Steer	Diesel	75	0.21	62.97778	0.004706	0.00511	4.59E-06	0.000687	0.000632	0.000957	0.687845	
5	2020	Taxiways	Fencing	Tractors/Lo	Diesel	100	0.21	62.97778	0.005788	0.004481	5.89E-06	0.000799	0.000735	0.000966	0.917999	
5	2020	Taxiways	Grading	Dozer	Diesel	175	0.59	13.4637	0.000568	0.001311	4.23E-06	0.000117	0.000108	0.000252	0.745614	
5	2020	Taxiways	Grading	Grader	Diesel	300	0.59	13.4637	0.000639	0.001981	7.08E-06	9.88E-05	9.09E-05	0.000405	1.27824	
5	2020	Taxiways	Grading	Roller	Diesel	100	0.59	13.4637	0.001142	0.001144	2.77E-06	0.000137	0.000126	0.00017	0.473137	
5	2020	Taxiways	Hydroseed	Hydroseed	Diesel	600	0.59	12.1295	0.00104	0.002974	1.25E-05	0.00012	0.00011	0.000695	2.303223	
5	2020	Taxiways	Hydroseed	Off-Road T	Diesel	600	0.59	12.1295	0.00104	0.002974	1.25E-05	0.00012	0.00011	0.000695	2.303223	
5	2020	Taxiways	Lighting	Dump Tru	Diesel	600	0.59	19.89333	0.001706	0.004878	2.06E-05	0.000197	0.000181	0.001124	3.777467	
5	2020	Taxiways	Lighting	Loader	Diesel	175	0.59	19.89333	0.001083	0.002528	6.44E-06	0.000239	0.00022	0.000393	1.101618	
5	2020	Taxiways	Lighting	Other Gen	Diesel	175	0.43	19.89333	0.000633	0.002312	4.77E-06	0.000152	0.00014	0.000311	0.79416	
5	2020	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	19.89333	0.001706	0.004878	2.06E-05	0.000197	0.000181	0.001124	3.777467	
5	2020	Taxiways	Lighting	Skid Steer	Diesel	75	0.21	19.89333	0.001487	0.001614	1.45E-06	0.000217	0.0002	0.00033	0.217275	
5	2020	Taxiways	Lighting	Tractors/Lo	Diesel	100	0.21	19.89333	0.001828	0.001415	1.86E-06	0.000252	0.000232	0.000349	0.289976	
5	2020	Taxiways	Markings	Flatbed Tr	Diesel	600	0.59	242.9143	0.020828	0.05956	0.000251	0.002402	0.002209	0.013453	46.12604	
5	2020	Taxiways	Markings	Other Gen	Diesel	175	0.43	242.9143	0.007731	0.028227	5.82E-05	0.001861	0.001712	0.003561	9.697359	
5	2020	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	242.9143	0.020828	0.05956	0.000251	0.002402	0.002209	0.013453	46.12604	
5	2020	Taxiways	Soil Erosio	Other Gen	Diesel	175	0.43	11.2	0.000356	0.001301	2.68E-06	8.58E-05	7.89E-05	0.000185	0.447114	
5	2020	Taxiways	Soil Erosio	Pickup Tru	Diesel	600	0.59	22.4	0.001921	0.005492	2.31E-05	0.000221	0.000204	0.001262	4.253448	
5	2020	Taxiways	Soil Erosio	Pumps	Diesel	11	0.43	11.2	0.00026	0.000268	2.32E-07	2.44E-05	2.24E-05	3.90E-05	0.031173	
5	2020	Taxiways	Soil Erosio	Tractors/Lo	Diesel	100	0.21	11.2	0.001029	0.000797	1.05E-06	0.000142	0.000131	0.000224	0.163257	
5	2020	Taxiways	Subbase P	Dozer	Diesel	175	0.59	24.83474	0.001048	0.002418	7.80E-06	0.000216	0.000198	0.000451	1.375338	
5	2020	Taxiways	Subbase P	Dump Tru	Diesel	600	0.59	174.7644	0.014985	0.04285	0.000181	0.001728	0.00159	0.009686	33.18533	
5	2020	Taxiways	Subbase P	Pickup Tru	Diesel	600	0.59	24.83474	0.002129	0.006089	2.57E-05	0.000246	0.000226	0.001397	4.715771	
5	2020	Taxiways	Subbase P	Roller	Diesel	100	0.59	24.19815	0.002052	0.002056	4.97E-06	0.000246	0.000227	0.000293	0.850364	
5	2020	Taxiways	Topsoil Pla	Dozer	Diesel	175	0.59	29.92	0.001263	0.002913	9.40E-06	0.00026	0.000239	0.00054	1.656958	
5	2020	Taxiways	Topsoil Pla	Dump Tru	Diesel	600	0.59	29.92	0.002565	0.007336	3.09E-05	0.000296	0.000272	0.001678	5.681391	
5	2020	Taxiways	Topsoil Pla	Pickup Tru	Diesel	600	0.59	29.92	0.002565	0.007336	3.09E-05	0.000296	0.000272	0.001678	5.681391	

On-Road Sources
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Scenario ID	Year	Project	Equipment	Equipment	On-road A	Fuel	Roadway T	Round Trip	Distance fr	Number of	Number of	Number of	Project Le	Project Wi	Project Are	Building He	Open Spac	Number of	Activity Ra	VMT	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
1	2019	Building - :	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	--	--	100000	--	--	--	--	23125	0.029239	0.056086	0.000241	0.002153	0.002089	0.000563	31.17907	0.005452	0.001601
1	2019	Building - :	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	--	--	100000	--	--	--	--	12333	0.016551	0.029934	0.000129	0.001149	0.001115	0.000363	16.63937	0.002908	0.000854
1	2019	Building - :	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	133.1	133.1		129	--	--	--	--	--	--	--	515097	1.850374	0.152483	0.003802	0.003266	0.003007	0.115978	199.9935	0.037944	0.002375
1	2019	Building - :	Tractor Tra	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	--	--	100000	--	--	--	0.0024	2400	0.00625	0.013188	4.65E-05	0.000661	0.000642	0.001569	5.947733	0.00079	0.000157
1	2019	Taxiways	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	1733	75	--	--	--	--	--	1886	0.005454	0.010388	3.66E-05	0.000521	0.000505	0.001567	4.68065	0.000621	0.000124
1	2019	Taxiways	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	1733	75	--	--	--	--	--	30057	0.035853	0.072849	0.000313	0.002796	0.002712	0.000589	40.50067	0.007086	0.00208
1	2019	Taxiways	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	1733	75	--	--	--	--	--	2672	0.004942	0.006517	2.80E-05	0.000251	0.000243	0.000168	3.62056	0.00063	0.000185
1	2019	Taxiways	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	1733	75	--	--	--	--	--	16030	0.020078	0.038874	0.000167	0.001492	0.001448	0.000378	21.61081	0.003779	0.00111
1	2019	Taxiways	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	73	73		129	--	--	--	--	--	--	--	282510	1.014856	0.083631	0.002085	0.001791	0.001649	0.063609	109.6884	0.020811	0.001302
1	2019	Terminal A	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	375	164	--	--	--	--	--	892	0.003915	0.004974	1.75E-05	0.000249	0.000241	0.001563	2.230297	0.000293	5.85E-05
1	2019	Terminal A	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	375	164	--	--	--	--	--	14222	0.018353	0.034502	0.000148	0.001325	0.001285	0.000371	19.17955	0.003353	0.000984
1	2019	Terminal A	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	375	164	--	--	--	--	--	1264	0.003598	0.003112	1.34E-05	0.00012	0.000116	0.000163	1.727193	0.000298	8.75E-05
1	2019	Terminal A	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	375	164	--	--	--	--	--	7585	0.009629	0.018397	7.91E-05	0.000706	0.000685	0.000187	10.22717	0.001788	0.000525
1	2019	Terminal A	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	76	76		129	--	--	--	--	--	--	--	294120	1.056562	0.087068	0.002171	0.001865	0.001717	0.066224	114.1961	0.021666	0.001356
2	2019	Building - :	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	--	--	100000	--	--	--	--	23125	0.030704	0.062945	0.000224	0.002152	0.002087	0.001231	29.02024	0.005404	0.001601
2	2019	Building - :	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	--	--	100000	--	--	--	--	12333	0.017528	0.034	0.00012	0.001149	0.001114	0.000809	15.49472	0.002882	0.000854
2	2019	Building - :	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	133.1	133.1		129	--	--	--	--	--	--	--	515097	6.3609	0.158912	0.003935	0.013344	0.012287	0.180897	195.9228	0.035877	0.002275
2	2019	Building - :	Tractor Tra	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	--	--	100000	--	--	--	0.0024	2400	0.006796	0.015134	4.41E-05	0.000661	0.000641	0.001509	5.638654	0.00078	0.000157
2	2019	Terminal A	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	375	164	--	--	--	--	--	892	0.004462	0.006362	1.67E-05	0.000249	0.000241	0.001504	2.126828	0.00029	5.85E-05
2	2019	Terminal A	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	375	164	--	--	--	--	--	14222	0.01933	0.038878	0.000138	0.001324	0.001284	0.000816	17.85445	0.003323	0.000984
2	2019	Terminal A	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	375	164	--	--	--	--	--	1264	0.004087	0.00434	1.26E-05	0.00012	0.000116	0.000386	1.623179	0.000295	8.75E-05
2	2019	Terminal A	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	375	164	--	--	--	--	--	7585	0.010117	0.020663	7.36E-05	0.000706	0.000685	0.00041	9.519346	0.001772	0.000525
2	2019	Terminal A	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	76	76		129	--	--	--	--	--	--	--	294120	3.632069	0.090739	0.002247	0.007619	0.007016	0.103292	111.8717	0.020486	0.001299
3	2020	Access Roa	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	2160	24	--	--	--	--	--	752	0.00358	0.003812	1.47E-05	0.000184	0.000178	0.001592	1.885268	0.000225	5.02E-05
3	2020	Access Roa	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	2160	24	--	--	--	--	--	11988	0.015277	0.026802	0.000125	0.000981	0.000952	0.000359	16.17574	0.002536	0.000834
3	2020	Access Roa	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	2160	24	--	--	--	--	--	1066	0.003325	0.002429	1.13E-05	8.92E-05	8.66E-05	0.000161	1.460975	0.000225	7.42E-05
3	2020	Access Roa	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	2160	24	--	--	--	--	--	6394	0.007989	0.014292	6.65E-05	0.000523	0.000507	0.000181	8.625765	0.001352	0.000445
3	2020	Access Roa	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	86	86		129	--	--	--	--	--	--	--	332820	1.171469	0.089997	0.002421	0.002087	0.001922	0.072516	127.3558	0.023219	0.001525
3	2020	Building - :	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		129	--	--	100000	--	--	--	--	23125	0.027418	0.051654	0.00024	0.00189	0.001834	0.000558	31.17962	0.004891	0.00161
3	2020	Building - :	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	--	--	100000	--	--	--	--	12333	0.015579	0.02757	0.000128	0.001009	0.000979	0.00036	16.63967	0.002609	0.000858
3	2020	Building - :	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	133.1	133.1		129	--	--	--	--	--	--	--	515097	1.813053	0.139286	0.003747	0.003231	0.002975	0.112231	197.1053	0.035936	0.00236
3	2020	Building - :	Tractor Tra	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	--	--	100000	--	--	--	0.0024	2400	0.005872	0.011915	4.63E-05	0.000578	0.000561	0.001598	5.947978	0.000717	0.00016
3	2020	Parking Lo	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	3150	180	--	--	--	--	--	8227	0.013977	0.040567	0.000158	0.001971	0.001911	0.00162	20.31291	0.002458	0.000549
3	2020	Parking Lo	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	13	--		129	3150	180	--	--	--	--	--	131119	0.145867	0.292656	0.001361	0.010709	0.010388	0.002535	176.6786	0.027735	0.009127
3	2020	Parking Lo	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	3150	180	--	--	--	--	--	11655	0.014986	0.026061	0.000121	0.000954	0.000925	0.000358	15.72794	0.002465	0.000811
3	2020	Parking Lo	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	7	--		129	3150	180	--	--	--	--	--	69930	0.077955	0.156087	0.000726	0.005712	0.005541	0.001363	94.23022	0.014792	0.004868
3	2020	Parking Lo	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	85	85		129	--	--	--	--	--	--	--	328950	1.157847	0.08895	0.002393	0.002063	0.0019	0.071673	125.8749	0.022949	0.001507
3	2020	Terminal A	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		129	375	164	--	--	--	--	--	892	0.003774	0.004501	1.74E-05	0.000217	0.000211	0.001592	2.230401	0.000267	5.95E-05
3	2020	Terminal A	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		129	375	164	--	--	--	--	--	14222	0.017233	0.031776	0.000148	0.001163	0.001128	0.000367	19.17989	0.003008	0.00099
3	2020	Terminal A	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	375	164	--	--	--	--	--	1264	0.003498	0.00287	1.33E-05	0.000105	0.000102	0.000161	1.727234	0.000267	8.80E-05
3	2020	Terminal A	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		129	375	164	--	--	--	--	--	7585	0.009031	0.016943	7.88E-05	0.00062	0.000602	0.000185	10.22735	0.001604	0.000528
3	2020	Terminal A	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	76	76		129	--	--	--	--	--	--	--	294120	1.035252	0.079532	0.002139	0.001845	0.001699	0.064084	112.547	0.02052	0.001347
4	2020	Access Roa	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		86	1440	24	--	--	--	--	--	501	0.00275	0.003412	9.35E-06	0.000123	0.000119	0.001009	1.199777	0.000148	3.34E-05
4	2020	Access Roa	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		86	1440	24	--	--	--	--	--	7992	0.010836	0.020437	7.74E-05	0.000654	0.000634	0.000526	10.04253	0.001674	0.000556
4	2020	Access Roa	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		86	1440	24	--	--	--	--	--	710	0.002542	0.002405	7.07E-06	5.94E-05	5.76E-05	0.00025	0.916408	0.000149	4.94E-05
4	2020	Access Roa	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		86	1440	24	--	--	--	--	--	4262	0.005651	0.010851	4.13E-05	0.000348	0.000338	0.000264	5.353551	0.000893	0.000297
4	2020	Access Roa	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	86	86		86	--	--	--	--	--	--	--	221880	2.704232	0.063148	0.001671	0.005652	0.005205	0.072357	83.17409	0.014613	0.000972
4	2020	Building - :	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	4	--		86	--	--	100000	--	--	--	--	23125	0.027923	0.057853	0.000223	0.001888	0.001832	0.001079	29.00557	0.004843	0.00161
4	2020	Building - :	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		86	--	--	100000	--	--	--	--	12333	0.014636	0.030759	0.000119	0.001007	0.000977	0.000542	15.46529	0.002583	0.000858
4	2020	Building - :	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	88	88		86	--	--	--	--	--	--	--	227040	2.767121	0.064617	0.001709	0.005784	0.005326	0.074039	85.10837	0.014953	0.000995
4	2020	Building - :	Tractor Tra	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		86	--	--	100000	--	--	--	0.0024	2400	0.005392	0.013384	4.37E-05	0.000576	0.000559	0.001016	5.622162	0.000707	0.00016
4	2020	Parking Lo	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		86	3150	120	--	--	--	--	--	5485	0.009683	0.029583	9.96E-05	0.001313	0.001274	0.001028	12.8065	0.001617	0.000366
4	2020	Parking Lo	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	13	--		86	3150	120	--	--	--	--	--	87413	0.101477	0.217165	0.000844	0.007135	0.006921	0.003553	109.5792	0.018308	0.006084
4	2020	Parking Lo	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		86	3150	120	--	--	--	--	--	7770	0.010642	0.019909	7.52E-05	0.000636	0.000617	0.000525	9.765209	0.001627	0.000541
4	2020	Parking Lo	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	7	--		86	3150	120	--	--	--	--	--	46620	0.054249	0.115869	0.00045	0.003805	0.003691	0.001911	58.44386	0.009764	0.003245
4	2020	Parking Lo	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	85	85		86	--	--	--	--	--	--	--	219300	2.672787	0.062414	0.001651	0.005586	0.005144	0.071515	82.20695	0.014444	0.000961
4	2020	Terminal A	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		86	375	109	--	--	--	--	--	593	0.002878	0.003896	1.10E-05	0.000145	0.00014	0.001009	1.414026	0.000175	3.96E-05
4	2020	Terminal A	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		86	375	109	--	--	--	--	--	9452	0.012114	0.023908	9.14E-05	0.000772	0.000749	0.000531	11.86636	0.00198	0.000658
4	2020	Terminal A	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		86	375	109	--	--	--	--	--	840	0.002655	0.002714	8.32E-06	7.00E-05	6.79E-05	0.000251	1.078803	0.000176	5.85E-05
4	2020	Terminal A	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		86	375	109	--	--	--	--	--	5041	0.006333	0.012703	4.87E-05	0.000412	0.0004	0.000267	6.326675	0.001056	0.000351
4	2020	Terminal A	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	76	76		86	--	--	--	--	--	--	--	196080	2.389786	0.055805	0.001476	0.004995	0.004599	0.063943	73.50268	0.012914	0.000859
5	2020	Taxiways	Asphalt 18	Combinati	Material D	Diesel	Urban Unr	40	5	1	--		108	1417	75	--	--	--	--	--	1542	0.004724	0.009079	2.83E-05	0.000372	0.000361	0.001271	3.632509	0.000455	0.000103
5	2020	Taxiways	Cement M	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--		108	1417	75	--	--	--	--	--	24576	0.028746	0.061136	0.000237	0.002006	0.001946	0.001027	30.8113	0.005147	0.001711
5	2020	Taxiways	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--		108	1417	75	--	--	--	--	--	2185	0.004324	0.006096	2.13E-05	0.00018	0.000174	0.000319	2.766512	0.000458	0.000152
5	2020	Taxiways	Dump Tru	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--		108	1417	75	--	--	--	--	--	13107	0.016296	0.032966	0.000127	0.001071	0.001039	0.000672	16.44725	0.002745	0.000912
5	2020	Taxiways	Passenger	Passenger	Employee	Gasoline	Urban Unr	30	--	73	73		108	--	--	--	--	--	--	--	236520	2.882661	0.067315	0.001781	0.006025	0.005548	0.077131	88.66205	0.015578	0.001036

Fugitive Sources
Units for Non-Greenhouse Gases Emission: Short Ton

Scenario ID	Year	Project	Fugitive Sc	Number of	CO	NOx	SO2	PM10	VOC
1	2019	Building - :	Concrete M	6	0	0	0	0.08555	0
1	2019	Building - :	Material M	6	0	0	0	0.01495	0
1	2019	Building - :	Material M	6	0	0	0	0.04555	0
1	2019	Taxiways	Asphalt Dr	6	0	0	0	0	4.82175
1	2019	Taxiways	Asphalt Sto	6	0.3145	0.01965	0.003613	0.02155	0.00975
1	2019	Taxiways	Concrete M	6	0	0	0	0.1112	0
1	2019	Taxiways	Material M	6	0	0	0	0.02095	0
1	2019	Taxiways	Material M	6	0	0	0	0.06865	0
1	2019	Taxiways	Soil Handli	6	0	0	0	0.0368	0
1	2019	Taxiways	Unstabilize	6	0	0	0	2.62E-08	0
1	2019	Terminal A	Asphalt Dr	6	0	0	0	0	2.2815
1	2019	Terminal A	Asphalt Sto	6	0.1488	0.0093	0.00171	0.0102	0.004609
1	2019	Terminal A	Concrete M	6	0	0	0	0.0526	0
1	2019	Terminal A	Material M	6	0	0	0	0.01495	0
1	2019	Terminal A	Material M	6	0	0	0	0.0468	0
1	2019	Terminal A	Soil Handli	6	0	0	0	0.0174	0
1	2019	Terminal A	Unstabilize	6	0	0	0	1.24E-08	0
2	2019	Building - :	Concrete M	6	0	0	0	0.08555	0
2	2019	Building - :	Material M	6	0	0	0	0.01495	0
2	2019	Building - :	Material M	6	0	0	0	0.04555	0
2	2019	Terminal A	Asphalt Dr	6	0	0	0	0	2.2815
2	2019	Terminal A	Asphalt Sto	6	0.1488	0.0093	0.00171	0.0102	0.004609
2	2019	Terminal A	Concrete M	6	0	0	0	0.0526	0
2	2019	Terminal A	Material M	6	0	0	0	0.01495	0
2	2019	Terminal A	Material M	6	0	0	0	0.0468	0
2	2019	Terminal A	Soil Handli	6	0	0	0	0.0174	0
2	2019	Terminal A	Unstabilize	6	0	0	0	1.24E-08	0
3	2020	Access Roa	Asphalt Dr	6	0	0	0	0	1.92315
3	2020	Access Roa	Asphalt Sto	6	0.12545	0.00785	0.001441	0.0086	0.003885
3	2020	Access Roa	Concrete M	6	0	0	0	0.04435	0
3	2020	Access Roa	Material M	6	0	0	0	0.01495	0
3	2020	Access Roa	Material M	6	0	0	0	0.0492	0
3	2020	Access Roa	Soil Handli	6	0	0	0	0.01465	0
3	2020	Access Roa	Unstabilize	6	0	0	0	1.05E-08	0
3	2020	Building - :	Concrete M	6	0	0	0	0.08555	0
3	2020	Building - :	Material M	6	0	0	0	0.01495	0
3	2020	Building - :	Material M	6	0	0	0	0.04555	0
3	2020	Parking Lo	Asphalt Dr	6	0	0	0	0	21.0342
3	2020	Parking Lo	Asphalt Sto	6	1.3719	0.08565	0.01575	0.09395	0.0425
3	2020	Parking Lo	Concrete M	6	0	0	0	0.48515	0
3	2020	Parking Lo	Material M	6	0	0	0	0.06885	0
3	2020	Parking Lo	Material M	6	0	0	0	0.22755	0
3	2020	Parking Lo	Soil Handli	6	0	0	0	0.1605	0
3	2020	Parking Lo	Unstabilize	6	0	0	0	1.14E-07	0
3	2020	Terminal A	Asphalt Dr	6	0	0	0	0	2.2815
3	2020	Terminal A	Asphalt Sto	6	0.1488	0.0093	0.00171	0.0102	0.004609
3	2020	Terminal A	Concrete M	6	0	0	0	0.0526	0
3	2020	Terminal A	Material M	6	0	0	0	0.01495	0
3	2020	Terminal A	Material M	6	0	0	0	0.0468	0
3	2020	Terminal A	Soil Handli	6	0	0	0	0.0174	0
3	2020	Terminal A	Unstabilize	6	0	0	0	1.24E-08	0
4	2020	Access Roa	Asphalt Dr	4	0	0	0	0	1.2821
4	2020	Access Roa	Asphalt Sto	4	0.0836	0.0052	0.000961	0.00575	0.00259
4	2020	Access Roa	Concrete M	4	0	0	0	0.02955	0
4	2020	Access Roa	Material M	4	0	0	0	0.01	0
4	2020	Access Roa	Material M	4	0	0	0	0.0328	0
4	2020	Access Roa	Soil Handli	4	0	0	0	0.0098	0
4	2020	Access Roa	Unstabilize	4	0	0	0	4.65E-09	0
4	2020	Building - :	Concrete M	4	0	0	0	0.08555	0
4	2020	Building - :	Material M	4	0	0	0	0.01195	0
4	2020	Building - :	Material M	4	0	0	0	0.0367	0
4	2020	Parking Lo	Asphalt Dr	4	0	0	0	0	14.0228
4	2020	Parking Lo	Asphalt Sto	4	0.9146	0.0571	0.0105	0.06265	0.0283
4	2020	Parking Lo	Concrete M	4	0	0	0	0.32345	0
4	2020	Parking Lo	Material M	4	0	0	0	0.0459	0
4	2020	Parking Lo	Material M	4	0	0	0	0.1534	0
4	2020	Parking Lo	Soil Handli	4	0	0	0	0.107	0
4	2020	Parking Lo	Unstabilize	4	0	0	0	5.09E-08	0

4	2020	Terminal A	Asphalt Dr	4	0	0	0	0	1.51635
4	2020	Terminal A	Asphalt Sta	4	0.0989	0.0062	0.001136	0.00675	0.003063
4	2020	Terminal A	Concrete M	4	0	0	0	0.03495	0
4	2020	Terminal A	Material M	4	0	0	0	0.01	0
4	2020	Terminal A	Material M	4	0	0	0	0.03135	0
4	2020	Terminal A	Soil Handli	4	0	0	0	0.01155	0
4	2020	Terminal A	Unstabilize	4	0	0	0	5.50E-09	0
5	2020	Taxiways	Asphalt Dr	5	0	0	0	0	3.9425
5	2020	Taxiways	Asphalt Sta	5	0.25715	0.01605	0.002954	0.0176	0.00795
5	2020	Taxiways	Concrete M	5	0	0	0	0.09095	0
5	2020	Taxiways	Material M	5	0	0	0	0.01755	0
5	2020	Taxiways	Material M	5	0	0	0	0.05735	0
5	2020	Taxiways	Soil Handli	5	0	0	0	0.0301	0
5	2020	Taxiways	Unstabilize	5	0	0	0	1.79E-08	0

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INPUT DATA AND SPECIFICATIONS

State/County
Colorado
La Plata County

Scenarios

Scenario ID	Year	Number of	Season	Average Da	Max Daily	Min Daily Temp Change (degF)
1	2019	6	Summer	50 < T <= 8	10 <= Char	10 <= Change in T < 20
2	2019	6	Winter	10 < T <= 3	10 <= Char	10 <= Change in T < 20
3	2020	6	Summer	50 < T <= 8	10 <= Char	10 <= Change in T < 20
4	2020	4	Winter	10 < T <= 3	10 <= Char	10 <= Change in T < 20
5	2020	5	Winter	10 < T <= 3	10 <= Char	10 <= Change in T < 20
6						

Project Final Selections

Scenario ID	Project	Constructi	Equipment	Fuel Type	
1	Building - :	Concrete F	Backhoe	Diesel	
1	Building - :	Concrete F	Concrete F	Diesel	
1	Building - :	Concrete F	Concrete F	Diesel	
1	Building - :	Concrete F	Excavator	Diesel	
1	Building - :	Concrete F	Fork Truck	Diesel	
1	Building - :	Concrete F	Tool Truck	Diesel	
1	Building - :	Concrete F	Tractor Tra	Diesel	
1	Building - :	Constructi	Survey Cre	Diesel	
1	Building - :	Constructi	Tractor Tra	Diesel	
1	Building - :	Exterior W	Fork Truck	Diesel	
1	Building - :	Exterior W	Generator	Diesel	
1	Building - :	Exterior W	Grout Mix	Diesel	
1	Building - :	Exterior W	Grout Wh	Diesel	
1	Building - :	Exterior W	Man Lift	Diesel	
1	Building - :	Exterior W	Tool Truck	Diesel	
1	Building - :	Exterior W	Tractor Tra	Diesel	
1	Building - :	Exterior W	Truck Tow	Diesel	
1	Building - :	Interior Bu	Fork Truck	Diesel	
1	Building - :	Interior Bu	Man Lift	Diesel	
1	Building - :	Interior Bu	Tool Truck	Diesel	
1	Building - :	Interior Bu	Tractor Tra	Diesel	
1	Building - :	Roofing	High Lift	Diesel	
1	Building - :	Roofing	Man Lift	Diesel	
1	Building - :	Roofing	Material D	Diesel	
1	Building - :	Roofing	Tractor Tra	Diesel	
1	Building - :	Roofing	Truck Tow	Diesel	
1	Building - :	Security &	High Lift	Diesel	
1	Building - :	Security &	Tool Truck	Diesel	
1	Building - :	Structural	90 Ton Cra	Diesel	
1	Building - :	Structural	Concrete F	Diesel	
1	Building - :	Structural	Concrete T	Diesel	
1	Building - :	Structural	Fork Truck	Diesel	
1	Building - :	Structural	Tool Truck	Diesel	
1	Building - :	Structural	Tractor Tra	Diesel	
1	Building - :	Structural	Trowel Ma	Diesel	
1	Building - :	Structural	Truck Tow	Diesel	
1	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	
1	Taxiways	Asphalt Pla	Dump Truc	Diesel	
1	Taxiways	Asphalt Pla	Other Gen	Diesel	
1	Taxiways	Asphalt Pla	Pickup Tru	Diesel	
1	Taxiways	Asphalt Pla	Roller	Diesel	
1	Taxiways	Asphalt Pla	Skid Steer	Diesel	
1	Taxiways	Asphalt Pla	Surfacing E	Diesel	
1	Taxiways	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Taxiways	Clearing an	Chipper/St	Diesel	
1	Taxiways	Clearing an	Pickup Tru	Diesel	
1	Taxiways	Concrete F	Air Compre	Diesel	
1	Taxiways	Concrete F	Concrete S	Diesel	
1	Taxiways	Concrete F	Concrete T	Diesel	
1	Taxiways	Concrete F	Other Gen	Diesel	
1	Taxiways	Concrete F	Pickup Tru	Diesel	
1	Taxiways	Concrete F	Rubber Tir	Diesel	
1	Taxiways	Concrete F	Slip Form I	Diesel	
1	Taxiways	Concrete F	Surfacing E	Diesel	
1	Taxiways	Drainage -	Dozer	Diesel	
1	Taxiways	Drainage -	Dump Truc	Diesel	
1	Taxiways	Drainage -	Excavator	Diesel	
1	Taxiways	Drainage -	Loader	Diesel	
1	Taxiways	Drainage -	Other Gen	Diesel	
1	Taxiways	Drainage -	Pickup Tru	Diesel	
1	Taxiways	Drainage -	Roller	Diesel	
1	Taxiways	Drainage -	Dump Truc	Diesel	
1	Taxiways	Drainage -	Loader	Diesel	
1	Taxiways	Drainage -	Other Gen	Diesel	
1	Taxiways	Drainage -	Pickup Tru	Diesel	
1	Taxiways	Drainage -	Tractors/Lo	Diesel	
1	Taxiways	Dust Contr	Water Truc	Diesel	
1	Taxiways	Excavatior	Dozer	Diesel	
1	Taxiways	Excavatior	Dump Truc	Diesel	
1	Taxiways	Excavatior	Pickup Tru	Diesel	
1	Taxiways	Excavatior	Roller	Diesel	
1	Taxiways	Excavatior	Dozer	Diesel	
1	Taxiways	Excavatior	Dump Truc	Diesel	
1	Taxiways	Excavatior	Excavator	Diesel	
1	Taxiways	Excavatior	Pickup Tru	Diesel	
1	Taxiways	Excavatior	Roller	Diesel	
1	Taxiways	Excavatior	Scraper	Diesel	
1	Taxiways	Excavatior	Dozer	Diesel	
1	Taxiways	Fencing	Concrete T	Diesel	
1	Taxiways	Fencing	Dump Truc	Diesel	
1	Taxiways	Fencing	Other Gen	Diesel	
1	Taxiways	Fencing	Pickup Tru	Diesel	
1	Taxiways	Fencing	Skid Steer	Diesel	
1	Taxiways	Fencing	Tractors/Lo	Diesel	
1	Taxiways	Grading	Dozer	Diesel	
1	Taxiways	Grading	Grader	Diesel	
1	Taxiways	Grading	Roller	Diesel	
1	Taxiways	Hydroseed	Hydroseed	Diesel	
1	Taxiways	Hydroseed	Off-Road T	Diesel	
1	Taxiways	Lighting	Dump Truc	Diesel	
1	Taxiways	Lighting	Loader	Diesel	
1	Taxiways	Lighting	Other Gen	Diesel	
1	Taxiways	Lighting	Pickup Tru	Diesel	
1	Taxiways	Lighting	Skid Steer	Diesel	
1	Taxiways	Lighting	Tractors/Lo	Diesel	
1	Taxiways	Markings	Flatbed Tr	Diesel	
1	Taxiways	Markings	Other Gen	Diesel	
1	Taxiways	Markings	Pickup Tru	Diesel	
1	Taxiways	Soil Erosio	Other Gen	Diesel	
1	Taxiways	Soil Erosio	Pickup Tru	Diesel	
1	Taxiways	Soil Erosio	Pumps	Diesel	
1	Taxiways	Soil Erosio	Tractors/Lo	Diesel	
1	Taxiways	Subbase P	Dozer	Diesel	
1	Taxiways	Subbase P	Dump Truc	Diesel	
1	Taxiways	Subbase P	Pickup Tru	Diesel	
1	Taxiways	Subbase P	Roller	Diesel	

1	Taxiways	Topsoil Pla	Dozer	Diesel	
1	Taxiways	Topsoil Pla	Dump Truc	Diesel	
1	Taxiways	Topsoil Pla	Pickup Tru	Diesel	
1	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	
1	Terminal A	Asphalt Pla	Dump Truc	Diesel	
1	Terminal A	Asphalt Pla	Other Gen	Diesel	
1	Terminal A	Asphalt Pla	Pickup Tru	Diesel	
1	Terminal A	Asphalt Pla	Roller	Diesel	
1	Terminal A	Asphalt Pla	Skid Steer	Diesel	
1	Terminal A	Asphalt Pla	Surfacing E	Diesel	
1	Terminal A	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Terminal A	Clearing an	Chipper/St	Diesel	
1	Terminal A	Clearing an	Pickup Tru	Diesel	
1	Terminal A	Concrete F	Air Compre	Diesel	
1	Terminal A	Concrete F	Concrete S	Diesel	
1	Terminal A	Concrete F	Concrete T	Diesel	
1	Terminal A	Concrete F	Other Gen	Diesel	
1	Terminal A	Concrete F	Pickup Tru	Diesel	
1	Terminal A	Concrete F	Rubber Tir	Diesel	
1	Terminal A	Concrete F	Slip Form I	Diesel	
1	Terminal A	Concrete F	Surfacing E	Diesel	
1	Terminal A	Drainage -	Dozer	Diesel	
1	Terminal A	Drainage -	Dump Truc	Diesel	
1	Terminal A	Drainage -	Excavator	Diesel	
1	Terminal A	Drainage -	Loader	Diesel	
1	Terminal A	Drainage -	Other Gen	Diesel	
1	Terminal A	Drainage -	Pickup Tru	Diesel	
1	Terminal A	Drainage -	Roller	Diesel	
1	Terminal A	Drainage -	Dump Truc	Diesel	
1	Terminal A	Drainage -	Loader	Diesel	
1	Terminal A	Drainage -	Other Gen	Diesel	
1	Terminal A	Drainage -	Pickup Tru	Diesel	
1	Terminal A	Drainage -	Tractors/Lo	Diesel	
1	Terminal A	Dust Contr	Water Truc	Diesel	
1	Terminal A	Excavatior	Dozer	Diesel	
1	Terminal A	Excavatior	Dump Truc	Diesel	
1	Terminal A	Excavatior	Pickup Tru	Diesel	
1	Terminal A	Excavatior	Roller	Diesel	
1	Terminal A	Excavatior	Dozer	Diesel	
1	Terminal A	Excavatior	Dump Truc	Diesel	
1	Terminal A	Excavatior	Excavator	Diesel	
1	Terminal A	Excavatior	Pickup Tru	Diesel	
1	Terminal A	Excavatior	Roller	Diesel	
1	Terminal A	Excavatior	Scraper	Diesel	
1	Terminal A	Excavatior	Dozer	Diesel	
1	Terminal A	Fencing	Concrete T	Diesel	
1	Terminal A	Fencing	Dump Truc	Diesel	
1	Terminal A	Fencing	Other Gen	Diesel	
1	Terminal A	Fencing	Pickup Tru	Diesel	
1	Terminal A	Fencing	Skid Steer	Diesel	
1	Terminal A	Fencing	Tractors/Lo	Diesel	
1	Terminal A	Grading	Dozer	Diesel	
1	Terminal A	Grading	Grader	Diesel	
1	Terminal A	Grading	Roller	Diesel	
1	Terminal A	Hydroseed	Hydroseed	Diesel	
1	Terminal A	Hydroseed	Off-Road T	Diesel	
1	Terminal A	Lighting	Dump Truc	Diesel	
1	Terminal A	Lighting	Loader	Diesel	
1	Terminal A	Lighting	Other Gen	Diesel	
1	Terminal A	Lighting	Pickup Tru	Diesel	
1	Terminal A	Lighting	Skid Steer	Diesel	
1	Terminal A	Lighting	Tractors/Lo	Diesel	
1	Terminal A	Markings	Flatbed Tru	Diesel	
1	Terminal A	Markings	Other Gen	Diesel	
1	Terminal A	Markings	Pickup Tru	Diesel	
1	Terminal A	Sealing/Fu	Distributin	Diesel	
1	Terminal A	Sealing/Fu	Other Gen	Diesel	
1	Terminal A	Sealing/Fu	Pickup Tru	Diesel	
1	Terminal A	Soil Erosio	Other Gen	Diesel	
1	Terminal A	Soil Erosio	Pickup Tru	Diesel	
1	Terminal A	Soil Erosio	Pumps	Diesel	
1	Terminal A	Soil Erosio	Tractors/Lo	Diesel	
1	Terminal A	Subbase P	Dozer	Diesel	
1	Terminal A	Subbase P	Dump Truc	Diesel	
1	Terminal A	Subbase P	Pickup Tru	Diesel	
1	Terminal A	Subbase P	Roller	Diesel	
1	Terminal A	Topsoil Pla	Dozer	Diesel	
1	Terminal A	Topsoil Pla	Dump Truc	Diesel	
1	Terminal A	Topsoil Pla	Pickup Tru	Diesel	
2	Building - :	Concrete F	Backhoe	Diesel	
2	Building - :	Concrete F	Concrete P	Diesel	
2	Building - :	Concrete F	Concrete P	Diesel	
2	Building - :	Concrete F	Excavator	Diesel	
2	Building - :	Concrete F	Fork Truck	Diesel	
2	Building - :	Concrete F	Tool Truck	Diesel	
2	Building - :	Concrete F	Tractor Tra	Diesel	
2	Building - :	Constructi	Survey Cre	Diesel	
2	Building - :	Constructi	Tractor Tra	Diesel	
2	Building - :	Exterior W	Fork Truck	Diesel	
2	Building - :	Exterior W	Generator	Diesel	
2	Building - :	Exterior W	Grout Mixe	Diesel	
2	Building - :	Exterior W	Grout Whe	Diesel	
2	Building - :	Exterior W	Man Lift	Diesel	
2	Building - :	Exterior W	Tool Truck	Diesel	
2	Building - :	Exterior W	Tractor Tra	Diesel	
2	Building - :	Exterior W	Truck Tow	Diesel	
2	Building - :	Interior Bu	Fork Truck	Diesel	
2	Building - :	Interior Bu	Man Lift	Diesel	
2	Building - :	Interior Bu	Tool Truck	Diesel	
2	Building - :	Interior Bu	Tractor Tra	Diesel	
2	Building - :	Roofing	High Lift	Diesel	
2	Building - :	Roofing	Man Lift	Diesel	
2	Building - :	Roofing	Material D	Diesel	
2	Building - :	Roofing	Tractor Tra	Diesel	
2	Building - :	Roofing	Truck Tow	Diesel	
2	Building - :	Security &	High Lift	Diesel	
2	Building - :	Security &	Tool Truck	Diesel	
2	Building - :	Structural	90 Ton Cra	Diesel	
2	Building - :	Structural	Concrete P	Diesel	
2	Building - :	Structural	Concrete T	Diesel	
2	Building - :	Structural	Fork Truck	Diesel	
2	Building - :	Structural	Tool Truck	Diesel	
2	Building - :	Structural	Tractor Tra	Diesel	
2	Building - :	Structural	Trowel Ma	Diesel	
2	Building - :	Structural	Truck Tow	Diesel	
2	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	
2	Terminal A	Asphalt Pla	Dump Truc	Diesel	
2	Terminal A	Asphalt Pla	Other Gen	Diesel	
2	Terminal A	Asphalt Pla	Pickup Tru	Diesel	
2	Terminal A	Asphalt Pla	Roller	Diesel	
2	Terminal A	Asphalt Pla	Skid Steer	Diesel	
2	Terminal A	Asphalt Pla	Surfacing E	Diesel	
2	Terminal A	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	Terminal A	Clearing an	Chipper/St	Diesel	
2	Terminal A	Clearing an	Pickup Tru	Diesel	
2	Terminal A	Concrete F	Air Compre	Diesel	
2	Terminal A	Concrete F	Concrete S	Diesel	
2	Terminal A	Concrete F	Concrete T	Diesel	
2	Terminal A	Concrete F	Other Gen	Diesel	
2	Terminal A	Concrete F	Pickup Tru	Diesel	
2	Terminal A	Concrete F	Rubber Tir	Diesel	
2	Terminal A	Concrete F	Slip Form I	Diesel	
2	Terminal A	Concrete F	Surfacing E	Diesel	
2	Terminal A	Drainage -	Dozer	Diesel	
2	Terminal A	Drainage -	Dump Truc	Diesel	
2	Terminal A	Drainage -	Excavator	Diesel	
2	Terminal A	Drainage -	Loader	Diesel	
2	Terminal A	Drainage -	Other Gen	Diesel	
2	Terminal A	Drainage -	Pickup Tru	Diesel	
2	Terminal A	Drainage -	Roller	Diesel	
2	Terminal A	Drainage -	Dump Truc	Diesel	
2	Terminal A	Drainage -	Loader	Diesel	

2	Terminal A	Drainage -	Other Gen	Diesel	
2	Terminal A	Drainage -	Pickup Tru	Diesel	
2	Terminal A	Drainage -	Tractors/Lo	Diesel	
2	Terminal A	Dust Contr	Water Tru	Diesel	
2	Terminal A	Excavatior	Dozer	Diesel	
2	Terminal A	Excavatior	Dump Truc	Diesel	
2	Terminal A	Excavatior	Pickup Tru	Diesel	
2	Terminal A	Excavatior	Roller	Diesel	
2	Terminal A	Excavatior	Dozer	Diesel	
2	Terminal A	Excavatior	Dump Truc	Diesel	
2	Terminal A	Excavatior	Excavator	Diesel	
2	Terminal A	Excavatior	Pickup Tru	Diesel	
2	Terminal A	Excavatior	Roller	Diesel	
2	Terminal A	Excavatior	Scraper	Diesel	
2	Terminal A	Excavatior	Dozer	Diesel	
2	Terminal A	Fencing	Concrete T	Diesel	
2	Terminal A	Fencing	Dump Truc	Diesel	
2	Terminal A	Fencing	Other Gen	Diesel	
2	Terminal A	Fencing	Pickup Tru	Diesel	
2	Terminal A	Fencing	Skid Steer	Diesel	
2	Terminal A	Fencing	Tractors/Lo	Diesel	
2	Terminal A	Grading	Dozer	Diesel	
2	Terminal A	Grading	Grader	Diesel	
2	Terminal A	Grading	Roller	Diesel	
2	Terminal A	Hydroseec	Hydroseed	Diesel	
2	Terminal A	Hydroseec	Off-Road T	Diesel	
2	Terminal A	Lighting	Dump Truc	Diesel	
2	Terminal A	Lighting	Loader	Diesel	
2	Terminal A	Lighting	Other Gen	Diesel	
2	Terminal A	Lighting	Pickup Tru	Diesel	
2	Terminal A	Lighting	Skid Steer	Diesel	
2	Terminal A	Lighting	Tractors/Lo	Diesel	
2	Terminal A	Markings	Flatbed Tr	Diesel	
2	Terminal A	Markings	Other Gen	Diesel	
2	Terminal A	Markings	Pickup Tru	Diesel	
2	Terminal A	Sealing/Fu	Distributin	Diesel	
2	Terminal A	Sealing/Fu	Other Gen	Diesel	
2	Terminal A	Sealing/Fu	Pickup Tru	Diesel	
2	Terminal A	Soil Erosio	Other Gen	Diesel	
2	Terminal A	Soil Erosio	Pickup Tru	Diesel	
2	Terminal A	Soil Erosio	Pumps	Diesel	
2	Terminal A	Soil Erosio	Tractors/Lo	Diesel	
2	Terminal A	Subbase P	Dozer	Diesel	
2	Terminal A	Subbase P	Dump Truc	Diesel	
2	Terminal A	Subbase P	Pickup Tru	Diesel	
2	Terminal A	Subbase P	Roller	Diesel	
2	Terminal A	Topsoil Pla	Dozer	Diesel	
2	Terminal A	Topsoil Pla	Dump Truc	Diesel	
2	Terminal A	Topsoil Pla	Pickup Tru	Diesel	
3	Access Ro	Asphalt Pla	Asphalt Pa	Diesel	
3	Access Ro	Asphalt Pla	Dump Truc	Diesel	
3	Access Ro	Asphalt Pla	Other Gen	Diesel	
3	Access Ro	Asphalt Pla	Pickup Tru	Diesel	
3	Access Ro	Asphalt Pla	Roller	Diesel	
3	Access Ro	Asphalt Pla	Skid Steer	Diesel	
3	Access Ro	Asphalt Pla	Surfacing E	Diesel	
3	Access Ro	Clearing ar	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Access Ro	Clearing ar	Chipper/St	Diesel	
3	Access Ro	Clearing ar	Pickup Tru	Diesel	
3	Access Ro	Concrete F	Air Compr	Diesel	
3	Access Ro	Concrete F	Concrete S	Diesel	
3	Access Ro	Concrete F	Concrete T	Diesel	
3	Access Ro	Concrete F	Other Gen	Diesel	
3	Access Ro	Concrete F	Pickup Tru	Diesel	
3	Access Ro	Concrete F	Rubber Tir	Diesel	
3	Access Ro	Concrete F	Slip Form I	Diesel	
3	Access Ro	Concrete F	Surfacing E	Diesel	
3	Access Ro	Curbing	Concrete T	Diesel	
3	Access Ro	Curbing	Curb/Gutte	Diesel	
3	Access Ro	Curbing	Other Gen	Diesel	
3	Access Ro	Curbing	Pickup Tru	Diesel	
3	Access Ro	Drainage -	Dozer	Diesel	
3	Access Ro	Drainage -	Dump Truc	Diesel	
3	Access Ro	Drainage -	Excavator	Diesel	
3	Access Ro	Drainage -	Loader	Diesel	
3	Access Ro	Drainage -	Other Gen	Diesel	
3	Access Ro	Drainage -	Pickup Tru	Diesel	
3	Access Ro	Drainage -	Roller	Diesel	
3	Access Ro	Drainage -	Dump Truc	Diesel	
3	Access Ro	Drainage -	Loader	Diesel	
3	Access Ro	Drainage -	Other Gen	Diesel	
3	Access Ro	Drainage -	Pickup Tru	Diesel	
3	Access Ro	Drainage -	Tractors/Lo	Diesel	
3	Access Ro	Dust Contr	Water Tru	Diesel	
3	Access Ro	Excavatior	Dozer	Diesel	
3	Access Ro	Excavatior	Dump Truc	Diesel	
3	Access Ro	Excavatior	Pickup Tru	Diesel	
3	Access Ro	Excavatior	Roller	Diesel	
3	Access Ro	Excavatior	Dozer	Diesel	
3	Access Ro	Excavatior	Dump Truc	Diesel	
3	Access Ro	Excavatior	Excavator	Diesel	
3	Access Ro	Excavatior	Pickup Tru	Diesel	
3	Access Ro	Excavatior	Roller	Diesel	
3	Access Ro	Excavatior	Scraper	Diesel	
3	Access Ro	Excavatior	Dozer	Diesel	
3	Access Ro	Fencing	Concrete T	Diesel	
3	Access Ro	Fencing	Dump Truc	Diesel	
3	Access Ro	Fencing	Other Gen	Diesel	
3	Access Ro	Fencing	Pickup Tru	Diesel	
3	Access Ro	Fencing	Skid Steer	Diesel	
3	Access Ro	Fencing	Tractors/Lo	Diesel	
3	Access Ro	Grading	Dozer	Diesel	
3	Access Ro	Grading	Grader	Diesel	
3	Access Ro	Grading	Roller	Diesel	
3	Access Ro	Hydroseec	Hydroseed	Diesel	
3	Access Ro	Hydroseec	Off-Road T	Diesel	
3	Access Ro	Markings	Flatbed Tr	Diesel	
3	Access Ro	Markings	Other Gen	Diesel	
3	Access Ro	Markings	Pickup Tru	Diesel	
3	Access Ro	Sidewalks	Concrete T	Diesel	
3	Access Ro	Sidewalks	Dump Truc	Diesel	
3	Access Ro	Sidewalks	Pickup Tru	Diesel	
3	Access Ro	Sidewalks	Tractors/Lo	Diesel	
3	Access Ro	Sidewalks	Vibratory (	Diesel	
3	Access Ro	Soil Erosio	Other Gen	Diesel	
3	Access Ro	Soil Erosio	Pickup Tru	Diesel	
3	Access Ro	Soil Erosio	Pumps	Diesel	
3	Access Ro	Soil Erosio	Tractors/Lo	Diesel	
3	Access Ro	Street Ligh	Dump Truc	Diesel	
3	Access Ro	Street Ligh	Loader	Diesel	
3	Access Ro	Street Ligh	Other Gen	Diesel	
3	Access Ro	Street Ligh	Pickup Tru	Diesel	
3	Access Ro	Street Ligh	Skid Steer	Diesel	
3	Access Ro	Street Ligh	Tractors/Lo	Diesel	
3	Access Ro	Subbase P	Dozer	Diesel	
3	Access Ro	Subbase P	Dump Truc	Diesel	
3	Access Ro	Subbase P	Pickup Tru	Diesel	
3	Access Ro	Subbase P	Roller	Diesel	
3	Access Ro	Topsoil Pla	Dozer	Diesel	
3	Access Ro	Topsoil Pla	Dump Truc	Diesel	
3	Access Ro	Topsoil Pla	Pickup Tru	Diesel	
3	Access Ro	Tree Plant	Flatbed Tr	Diesel	
3	Access Ro	Tree Plant	Other Gen	Diesel	
3	Access Ro	Tree Plant	Pickup Tru	Diesel	
3	Access Ro	Tree Plant	Tractors/Lo	Diesel	
3	Building - :	Concrete F	Backhoe	Diesel	
3	Building - :	Concrete F	Concrete F	Diesel	
3	Building - :	Concrete F	Concrete F	Diesel	
3	Building - :	Concrete F	Excavator	Diesel	
3	Building - :	Concrete F	Fork Truck	Diesel	
3	Building - :	Concrete F	Tool Truck	Diesel	
3	Building - :	Concrete F	Tractor Tra	Diesel	

3	Building - :	Constructi	Survey Cre	Diesel	
3	Building - :	Constructi	Tractor Tra	Diesel	
3	Building - :	Exterior W	Fork Truck	Diesel	
3	Building - :	Exterior W	Generator	Diesel	
3	Building - :	Exterior W	Grout Mixe	Diesel	
3	Building - :	Exterior W	Grout Whe	Diesel	
3	Building - :	Exterior W	Man Lift	Diesel	
3	Building - :	Exterior W	Tool Truck	Diesel	
3	Building - :	Exterior W	Tractor Tra	Diesel	
3	Building - :	Exterior W	Truck Tow	Diesel	
3	Building - :	Interior Bu	Fork Truck	Diesel	
3	Building - :	Interior Bu	Man Lift	Diesel	
3	Building - :	Interior Bu	Tool Truck	Diesel	
3	Building - :	Interior Bu	Tractor Tra	Diesel	
3	Building - :	Roofing	High Lift	Diesel	
3	Building - :	Roofing	Man Lift	Diesel	
3	Building - :	Roofing	Material D	Diesel	
3	Building - :	Roofing	Tractor Tra	Diesel	
3	Building - :	Roofing	Truck Tow	Diesel	
3	Building - :	Security &	High Lift	Diesel	
3	Building - :	Security &	Tool Truck	Diesel	
3	Building - :	Structural	90 Ton Cra	Diesel	
3	Building - :	Structural	Concrete F	Diesel	
3	Building - :	Structural	Concrete T	Diesel	
3	Building - :	Structural	Fork Truck	Diesel	
3	Building - :	Structural	Tool Truck	Diesel	
3	Building - :	Structural	Tractor Tra	Diesel	
3	Building - :	Structural	Trowel Ma	Diesel	
3	Building - :	Structural	Truck Tow	Diesel	
3	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	
3	Parking Lo	Asphalt Pl	Dump Truc	Diesel	
3	Parking Lo	Asphalt Pl	Other Gen	Diesel	
3	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	
3	Parking Lo	Asphalt Pl	Roller	Diesel	
3	Parking Lo	Asphalt Pl	Skid Steer	Diesel	
3	Parking Lo	Asphalt Pl	Surfacing E	Diesel	
3	Parking Lo	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Parking Lo	Clearing an	Chipper/St	Diesel	
3	Parking Lo	Clearing an	Pickup Tru	Diesel	
3	Parking Lo	Concrete F	Air Compre	Diesel	
3	Parking Lo	Concrete F	Concrete S	Diesel	
3	Parking Lo	Concrete F	Concrete T	Diesel	
3	Parking Lo	Concrete F	Other Gen	Diesel	
3	Parking Lo	Concrete F	Pickup Tru	Diesel	
3	Parking Lo	Concrete F	Rubber Tir	Diesel	
3	Parking Lo	Concrete F	Slip Form I	Diesel	
3	Parking Lo	Concrete F	Surfacing E	Diesel	
3	Parking Lo	Curbing	Concrete T	Diesel	
3	Parking Lo	Curbing	Curb/Gutte	Diesel	
3	Parking Lo	Curbing	Other Gen	Diesel	
3	Parking Lo	Curbing	Pickup Tru	Diesel	
3	Parking Lo	Drainage -	Dozer	Diesel	
3	Parking Lo	Drainage -	Dump Truc	Diesel	
3	Parking Lo	Drainage -	Excavator	Diesel	
3	Parking Lo	Drainage -	Loader	Diesel	
3	Parking Lo	Drainage -	Other Gen	Diesel	
3	Parking Lo	Drainage -	Pickup Tru	Diesel	
3	Parking Lo	Drainage -	Roller	Diesel	
3	Parking Lo	Drainage -	Dump Truc	Diesel	
3	Parking Lo	Drainage -	Loader	Diesel	
3	Parking Lo	Drainage -	Other Gen	Diesel	
3	Parking Lo	Drainage -	Pickup Tru	Diesel	
3	Parking Lo	Drainage -	Tractors/Lo	Diesel	
3	Parking Lo	Excavatior	Dozer	Diesel	
3	Parking Lo	Excavatior	Dump Truc	Diesel	
3	Parking Lo	Excavatior	Pickup Tru	Diesel	
3	Parking Lo	Excavatior	Roller	Diesel	
3	Parking Lo	Excavatior	Dozer	Diesel	
3	Parking Lo	Excavatior	Dump Truc	Diesel	
3	Parking Lo	Excavatior	Excavator	Diesel	
3	Parking Lo	Excavatior	Pickup Tru	Diesel	
3	Parking Lo	Excavatior	Roller	Diesel	
3	Parking Lo	Excavatior	Scraper	Diesel	
3	Parking Lo	Excavatior	Dozer	Diesel	
3	Parking Lo	Fencing	Concrete T	Diesel	
3	Parking Lo	Fencing	Dump Truc	Diesel	
3	Parking Lo	Fencing	Other Gen	Diesel	
3	Parking Lo	Fencing	Pickup Tru	Diesel	
3	Parking Lo	Fencing	Skid Steer	Diesel	
3	Parking Lo	Fencing	Tractors/Lo	Diesel	
3	Parking Lo	Grading	Dozer	Diesel	
3	Parking Lo	Grading	Grader	Diesel	
3	Parking Lo	Grading	Roller	Diesel	
3	Parking Lo	Hydroseed	Hydroseed	Diesel	
3	Parking Lo	Hydroseed	Off-Road T	Diesel	
3	Parking Lo	Markings	Flatbed Tra	Diesel	
3	Parking Lo	Markings	Other Gen	Diesel	
3	Parking Lo	Markings	Pickup Tru	Diesel	
3	Parking Lo	Sidewalks	Concrete T	Diesel	
3	Parking Lo	Sidewalks	Dump Truc	Diesel	
3	Parking Lo	Sidewalks	Pickup Tru	Diesel	
3	Parking Lo	Sidewalks	Tractors/Lo	Diesel	
3	Parking Lo	Sidewalks	Vibratory C	Diesel	
3	Parking Lo	Soil Erosio	Other Gen	Diesel	
3	Parking Lo	Soil Erosio	Pickup Tru	Diesel	
3	Parking Lo	Soil Erosio	Pumps	Diesel	
3	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	
3	Parking Lo	Street Ligh	Dump Truc	Diesel	
3	Parking Lo	Street Ligh	Loader	Diesel	
3	Parking Lo	Street Ligh	Other Gen	Diesel	
3	Parking Lo	Street Ligh	Pickup Tru	Diesel	
3	Parking Lo	Street Ligh	Skid Steer	Diesel	
3	Parking Lo	Street Ligh	Tractors/Lo	Diesel	
3	Parking Lo	Subbase P	Dozer	Diesel	
3	Parking Lo	Subbase P	Dump Truc	Diesel	
3	Parking Lo	Subbase P	Pickup Tru	Diesel	
3	Parking Lo	Subbase P	Roller	Diesel	
3	Parking Lo	Topsoil Pla	Dozer	Diesel	
3	Parking Lo	Topsoil Pla	Dump Truc	Diesel	
3	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	
3	Parking Lo	Tree Plant	Flatbed Tra	Diesel	
3	Parking Lo	Tree Plant	Other Gen	Diesel	
3	Parking Lo	Tree Plant	Pickup Tru	Diesel	
3	Parking Lo	Tree Plant	Tractors/Lo	Diesel	
3	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	
3	Terminal A	Asphalt Pl	Dump Truc	Diesel	
3	Terminal A	Asphalt Pl	Other Gen	Diesel	
3	Terminal A	Asphalt Pl	Pickup Tru	Diesel	
3	Terminal A	Asphalt Pl	Roller	Diesel	
3	Terminal A	Asphalt Pl	Skid Steer	Diesel	
3	Terminal A	Asphalt Pl	Surfacing E	Diesel	
3	Terminal A	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Terminal A	Clearing an	Chipper/St	Diesel	
3	Terminal A	Clearing an	Pickup Tru	Diesel	
3	Terminal A	Concrete F	Air Compre	Diesel	
3	Terminal A	Concrete F	Concrete S	Diesel	
3	Terminal A	Concrete F	Concrete T	Diesel	
3	Terminal A	Concrete F	Other Gen	Diesel	
3	Terminal A	Concrete F	Pickup Tru	Diesel	
3	Terminal A	Concrete F	Rubber Tir	Diesel	
3	Terminal A	Concrete F	Slip Form I	Diesel	
3	Terminal A	Concrete F	Surfacing E	Diesel	
3	Terminal A	Drainage -	Dozer	Diesel	
3	Terminal A	Drainage -	Dump Truc	Diesel	
3	Terminal A	Drainage -	Excavator	Diesel	
3	Terminal A	Drainage -	Loader	Diesel	
3	Terminal A	Drainage -	Other Gen	Diesel	
3	Terminal A	Drainage -	Pickup Tru	Diesel	
3	Terminal A	Drainage -	Roller	Diesel	
3	Terminal A	Drainage -	Dump Truc	Diesel	
3	Terminal A	Drainage -	Loader	Diesel	
3	Terminal A	Drainage -	Other Gen	Diesel	

3	Terminal A	Drainage -	Pickup Tru	Diesel
3	Terminal A	Drainage -	Tractors/Lo	Diesel
3	Terminal A	Dust Conti	Water Tru	Diesel
3	Terminal A	Excavatior	Dozer	Diesel
3	Terminal A	Excavatior	Dump Truc	Diesel
3	Terminal A	Excavatior	Pickup Tru	Diesel
3	Terminal A	Excavatior	Roller	Diesel
3	Terminal A	Excavatior	Dozer	Diesel
3	Terminal A	Excavatior	Dump Truc	Diesel
3	Terminal A	Excavatior	Excavator	Diesel
3	Terminal A	Excavatior	Pickup Tru	Diesel
3	Terminal A	Excavatior	Roller	Diesel
3	Terminal A	Excavatior	Scraper	Diesel
3	Terminal A	Excavatior	Dozer	Diesel
3	Terminal A	Fencing	Concrete T	Diesel
3	Terminal A	Fencing	Dump Truc	Diesel
3	Terminal A	Fencing	Other Gen	Diesel
3	Terminal A	Fencing	Pickup Tru	Diesel
3	Terminal A	Fencing	Skid Steer	Diesel
3	Terminal A	Fencing	Tractors/Lo	Diesel
3	Terminal A	Grading	Dozer	Diesel
3	Terminal A	Grading	Grader	Diesel
3	Terminal A	Grading	Roller	Diesel
3	Terminal A	Hydroseec	Hydroseed	Diesel
3	Terminal A	Hydroseec	Off-Road T	Diesel
3	Terminal A	Lighting	Dump Truc	Diesel
3	Terminal A	Lighting	Loader	Diesel
3	Terminal A	Lighting	Other Gen	Diesel
3	Terminal A	Lighting	Pickup Tru	Diesel
3	Terminal A	Lighting	Skid Steer	Diesel
3	Terminal A	Lighting	Tractors/Lo	Diesel
3	Terminal A	Markings	Flatbed Tr	Diesel
3	Terminal A	Markings	Other Gen	Diesel
3	Terminal A	Markings	Pickup Tru	Diesel
3	Terminal A	Sealing/Fu	Distributin	Diesel
3	Terminal A	Sealing/Fu	Other Gen	Diesel
3	Terminal A	Sealing/Fu	Pickup Tru	Diesel
3	Terminal A	Soil Erosio	Other Gen	Diesel
3	Terminal A	Soil Erosio	Pickup Tru	Diesel
3	Terminal A	Soil Erosio	Pumps	Diesel
3	Terminal A	Soil Erosio	Tractors/Lo	Diesel
3	Terminal A	Subbase P	Dozer	Diesel
3	Terminal A	Subbase P	Dump Truc	Diesel
3	Terminal A	Subbase P	Pickup Tru	Diesel
3	Terminal A	Subbase P	Roller	Diesel
3	Terminal A	Topsoil Pla	Dozer	Diesel
3	Terminal A	Topsoil Pla	Dump Truc	Diesel
3	Terminal A	Topsoil Pla	Pickup Tru	Diesel
4	Access Ro	Asphalt Pla	Asphalt Pa	Diesel
4	Access Ro	Asphalt Pla	Dump Truc	Diesel
4	Access Ro	Asphalt Pla	Other Gen	Diesel
4	Access Ro	Asphalt Pla	Pickup Tru	Diesel
4	Access Ro	Asphalt Pla	Roller	Diesel
4	Access Ro	Asphalt Pla	Skid Steer	Diesel
4	Access Ro	Asphalt Pla	Surfacing E	Diesel
4	Access Ro	Clearing ar	Chain Saw	Diesel
4	Access Ro	Clearing ar	Chipper/St	Diesel
4	Access Ro	Clearing ar	Pickup Tru	Diesel
4	Access Ro	Concrete F	Air Compr	Diesel
4	Access Ro	Concrete F	Concrete S	Diesel
4	Access Ro	Concrete F	Concrete T	Diesel
4	Access Ro	Concrete F	Other Gen	Diesel
4	Access Ro	Concrete F	Pickup Tru	Diesel
4	Access Ro	Concrete F	Rubber Tir	Diesel
4	Access Ro	Concrete F	Slip Form I	Diesel
4	Access Ro	Concrete F	Surfacing E	Diesel
4	Access Ro	Curbing	Concrete T	Diesel
4	Access Ro	Curbing	Curb/Gutte	Diesel
4	Access Ro	Curbing	Other Gen	Diesel
4	Access Ro	Curbing	Pickup Tru	Diesel
4	Access Ro	Drainage -	Dozer	Diesel
4	Access Ro	Drainage -	Dump Truc	Diesel
4	Access Ro	Drainage -	Excavator	Diesel
4	Access Ro	Drainage -	Loader	Diesel
4	Access Ro	Drainage -	Other Gen	Diesel
4	Access Ro	Drainage -	Pickup Tru	Diesel
4	Access Ro	Drainage -	Roller	Diesel
4	Access Ro	Drainage -	Dump Truc	Diesel
4	Access Ro	Drainage -	Loader	Diesel
4	Access Ro	Drainage -	Other Gen	Diesel
4	Access Ro	Drainage -	Pickup Tru	Diesel
4	Access Ro	Drainage -	Tractors/Lo	Diesel
4	Access Ro	Dust Conti	Water Tru	Diesel
4	Access Ro	Excavatior	Dozer	Diesel
4	Access Ro	Excavatior	Dump Truc	Diesel
4	Access Ro	Excavatior	Pickup Tru	Diesel
4	Access Ro	Excavatior	Roller	Diesel
4	Access Ro	Excavatior	Dozer	Diesel
4	Access Ro	Excavatior	Dump Truc	Diesel
4	Access Ro	Excavatior	Excavator	Diesel
4	Access Ro	Excavatior	Pickup Tru	Diesel
4	Access Ro	Excavatior	Roller	Diesel
4	Access Ro	Excavatior	Scraper	Diesel
4	Access Ro	Excavatior	Dozer	Diesel
4	Access Ro	Fencing	Concrete T	Diesel
4	Access Ro	Fencing	Dump Truc	Diesel
4	Access Ro	Fencing	Other Gen	Diesel
4	Access Ro	Fencing	Pickup Tru	Diesel
4	Access Ro	Fencing	Skid Steer	Diesel
4	Access Ro	Fencing	Tractors/Lo	Diesel
4	Access Ro	Grading	Dozer	Diesel
4	Access Ro	Grading	Grader	Diesel
4	Access Ro	Grading	Roller	Diesel
4	Access Ro	Hydroseec	Hydroseed	Diesel
4	Access Ro	Hydroseec	Off-Road T	Diesel
4	Access Ro	Markings	Flatbed Tr	Diesel
4	Access Ro	Markings	Other Gen	Diesel
4	Access Ro	Markings	Pickup Tru	Diesel
4	Access Ro	Sidewalks	Concrete T	Diesel
4	Access Ro	Sidewalks	Dump Truc	Diesel
4	Access Ro	Sidewalks	Pickup Tru	Diesel
4	Access Ro	Sidewalks	Tractors/Lo	Diesel
4	Access Ro	Sidewalks	Vibratory (	Diesel
4	Access Ro	Soil Erosio	Other Gen	Diesel
4	Access Ro	Soil Erosio	Pickup Tru	Diesel
4	Access Ro	Soil Erosio	Pumps	Diesel
4	Access Ro	Soil Erosio	Tractors/Lo	Diesel
4	Access Ro	Street Ligh	Dump Truc	Diesel
4	Access Ro	Street Ligh	Loader	Diesel
4	Access Ro	Street Ligh	Other Gen	Diesel
4	Access Ro	Street Ligh	Pickup Tru	Diesel
4	Access Ro	Street Ligh	Skid Steer	Diesel
4	Access Ro	Street Ligh	Tractors/Lo	Diesel
4	Access Ro	Subbase P	Dozer	Diesel
4	Access Ro	Subbase P	Dump Truc	Diesel
4	Access Ro	Subbase P	Pickup Tru	Diesel
4	Access Ro	Subbase P	Roller	Diesel
4	Access Ro	Topsoil Pla	Dozer	Diesel
4	Access Ro	Topsoil Pla	Dump Truc	Diesel
4	Access Ro	Topsoil Pla	Pickup Tru	Diesel
4	Access Ro	Tree Plant	Flatbed Tr	Diesel
4	Access Ro	Tree Plant	Other Gen	Diesel
4	Access Ro	Tree Plant	Pickup Tru	Diesel
4	Access Ro	Tree Plant	Tractors/Lo	Diesel
4	Building -	Concrete F	Backhoe	Diesel
4	Building -	Concrete F	Concrete F	Diesel
4	Building -	Concrete F	Concrete P	Diesel
4	Building -	Concrete F	Excavator	Diesel
4	Building -	Concrete F	Fork Truck	Diesel
4	Building -	Concrete F	Tool Truck	Diesel
4	Building -	Concrete F	Tractor Tra	Diesel
4	Building -	Constructi	Survey Cre	Diesel

*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***

4	Building - :	Constructi	Tractor Tra	Diesel	
4	Building - :	Exterior W	Fork Truck	Diesel	
4	Building - :	Exterior W	Generator	Diesel	
4	Building - :	Exterior W	Grout Mixe	Diesel	
4	Building - :	Exterior W	Grout Whe	Diesel	
4	Building - :	Exterior W	Man Lift	Diesel	
4	Building - :	Exterior W	Tool Truck	Diesel	
4	Building - :	Exterior W	Tractor Tra	Diesel	
4	Building - :	Exterior W	Truck Tow	Diesel	
4	Building - :	Interior Bu	Fork Truck	Diesel	
4	Building - :	Interior Bu	Man Lift	Diesel	
4	Building - :	Interior Bu	Tool Truck	Diesel	
4	Building - :	Interior Bu	Tractor Tra	Diesel	
4	Building - :	Roofing	High Lift	Diesel	
4	Building - :	Roofing	Man Lift	Diesel	
4	Building - :	Roofing	Material D	Diesel	
4	Building - :	Roofing	Tractor Tra	Diesel	
4	Building - :	Roofing	Truck Tow	Diesel	
4	Building - :	Security &	High Lift	Diesel	
4	Building - :	Security &	Tool Truck	Diesel	
4	Building - :	Structural	90 Ton Cra	Diesel	
4	Building - :	Structural	Concrete F	Diesel	
4	Building - :	Structural	Concrete T	Diesel	
4	Building - :	Structural	Fork Truck	Diesel	
4	Building - :	Structural	Tool Truck	Diesel	
4	Building - :	Structural	Tractor Tra	Diesel	
4	Building - :	Structural	Trowel Ma	Diesel	
4	Building - :	Structural	Truck Tow	Diesel	
4	Parking Lo	Asphalt Pla	Asphalt Pa	Diesel	
4	Parking Lo	Asphalt Pla	Dump Truc	Diesel	
4	Parking Lo	Asphalt Pla	Other Gen	Diesel	
4	Parking Lo	Asphalt Pla	Pickup Tru	Diesel	
4	Parking Lo	Asphalt Pla	Roller	Diesel	
4	Parking Lo	Asphalt Pla	Skid Steer	Diesel	
4	Parking Lo	Asphalt Pla	Surfacing E	Diesel	
4	Parking Lo	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Parking Lo	Clearing an	Chipper/St	Diesel	
4	Parking Lo	Clearing an	Pickup Tru	Diesel	
4	Parking Lo	Concrete F	Air Compre	Diesel	
4	Parking Lo	Concrete F	Concrete S	Diesel	
4	Parking Lo	Concrete F	Concrete T	Diesel	
4	Parking Lo	Concrete F	Other Gen	Diesel	
4	Parking Lo	Concrete F	Pickup Tru	Diesel	
4	Parking Lo	Concrete F	Rubber Tir	Diesel	
4	Parking Lo	Concrete F	Slip Form I	Diesel	
4	Parking Lo	Concrete F	Surfacing E	Diesel	
4	Parking Lo	Curbing	Concrete T	Diesel	
4	Parking Lo	Curbing	Curb/Gutte	Diesel	
4	Parking Lo	Curbing	Other Gen	Diesel	
4	Parking Lo	Curbing	Pickup Tru	Diesel	
4	Parking Lo	Drainage -	Dozer	Diesel	
4	Parking Lo	Drainage -	Dump Truc	Diesel	
4	Parking Lo	Drainage -	Excavator	Diesel	
4	Parking Lo	Drainage -	Loader	Diesel	
4	Parking Lo	Drainage -	Other Gen	Diesel	
4	Parking Lo	Drainage -	Pickup Tru	Diesel	
4	Parking Lo	Drainage -	Roller	Diesel	
4	Parking Lo	Drainage -	Dump Truc	Diesel	
4	Parking Lo	Drainage -	Loader	Diesel	
4	Parking Lo	Drainage -	Other Gen	Diesel	
4	Parking Lo	Drainage -	Pickup Tru	Diesel	
4	Parking Lo	Drainage -	Tractors/Lo	Diesel	
4	Parking Lo	Excavatior	Dozer	Diesel	
4	Parking Lo	Excavatior	Dump Truc	Diesel	
4	Parking Lo	Excavatior	Pickup Tru	Diesel	
4	Parking Lo	Excavatior	Roller	Diesel	
4	Parking Lo	Excavatior	Dozer	Diesel	
4	Parking Lo	Excavatior	Dump Truc	Diesel	
4	Parking Lo	Excavatior	Excavator	Diesel	
4	Parking Lo	Excavatior	Pickup Tru	Diesel	
4	Parking Lo	Excavatior	Roller	Diesel	
4	Parking Lo	Excavatior	Scraper	Diesel	
4	Parking Lo	Excavatior	Dozer	Diesel	
4	Parking Lo	Fencing	Concrete T	Diesel	
4	Parking Lo	Fencing	Dump Truc	Diesel	
4	Parking Lo	Fencing	Other Gen	Diesel	
4	Parking Lo	Fencing	Pickup Tru	Diesel	
4	Parking Lo	Fencing	Skid Steer	Diesel	
4	Parking Lo	Fencing	Tractors/Lo	Diesel	
4	Parking Lo	Grading	Dozer	Diesel	
4	Parking Lo	Grading	Grader	Diesel	
4	Parking Lo	Grading	Roller	Diesel	
4	Parking Lo	Hydroseed	Hydroseed	Diesel	
4	Parking Lo	Hydroseed	Off-Road T	Diesel	
4	Parking Lo	Markings	Flatbed Tra	Diesel	
4	Parking Lo	Markings	Other Gen	Diesel	
4	Parking Lo	Markings	Pickup Tru	Diesel	
4	Parking Lo	Sidewalks	Concrete T	Diesel	
4	Parking Lo	Sidewalks	Dump Truc	Diesel	
4	Parking Lo	Sidewalks	Pickup Tru	Diesel	
4	Parking Lo	Sidewalks	Tractors/Lo	Diesel	
4	Parking Lo	Sidewalks	Vibratory C	Diesel	
4	Parking Lo	Soil Erosio	Other Gen	Diesel	
4	Parking Lo	Soil Erosio	Pickup Tru	Diesel	
4	Parking Lo	Soil Erosio	Pumps	Diesel	
4	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	
4	Parking Lo	Street Ligh	Dump Truc	Diesel	
4	Parking Lo	Street Ligh	Loader	Diesel	
4	Parking Lo	Street Ligh	Other Gen	Diesel	
4	Parking Lo	Street Ligh	Pickup Tru	Diesel	
4	Parking Lo	Street Ligh	Skid Steer	Diesel	
4	Parking Lo	Street Ligh	Tractors/Lo	Diesel	
4	Parking Lo	Subbase P	Dozer	Diesel	
4	Parking Lo	Subbase P	Dump Truc	Diesel	
4	Parking Lo	Subbase P	Pickup Tru	Diesel	
4	Parking Lo	Subbase P	Roller	Diesel	
4	Parking Lo	Topsoil Pla	Dozer	Diesel	
4	Parking Lo	Topsoil Pla	Dump Truc	Diesel	
4	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	
4	Parking Lo	Tree Plant	Flatbed Tra	Diesel	
4	Parking Lo	Tree Plant	Other Gen	Diesel	
4	Parking Lo	Tree Plant	Pickup Tru	Diesel	
4	Parking Lo	Tree Plant	Tractors/Lo	Diesel	
4	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	
4	Terminal A	Asphalt Pla	Dump Truc	Diesel	
4	Terminal A	Asphalt Pla	Other Gen	Diesel	
4	Terminal A	Asphalt Pla	Pickup Tru	Diesel	
4	Terminal A	Asphalt Pla	Roller	Diesel	
4	Terminal A	Asphalt Pla	Skid Steer	Diesel	
4	Terminal A	Asphalt Pla	Surfacing E	Diesel	
4	Terminal A	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Terminal A	Clearing an	Chipper/St	Diesel	
4	Terminal A	Clearing an	Pickup Tru	Diesel	
4	Terminal A	Concrete F	Air Compre	Diesel	
4	Terminal A	Concrete F	Concrete S	Diesel	
4	Terminal A	Concrete F	Concrete T	Diesel	
4	Terminal A	Concrete F	Other Gen	Diesel	
4	Terminal A	Concrete F	Pickup Tru	Diesel	
4	Terminal A	Concrete F	Rubber Tir	Diesel	
4	Terminal A	Concrete F	Slip Form I	Diesel	
4	Terminal A	Concrete F	Surfacing E	Diesel	
4	Terminal A	Drainage -	Dozer	Diesel	
4	Terminal A	Drainage -	Dump Truc	Diesel	
4	Terminal A	Drainage -	Excavator	Diesel	
4	Terminal A	Drainage -	Loader	Diesel	
4	Terminal A	Drainage -	Other Gen	Diesel	
4	Terminal A	Drainage -	Pickup Tru	Diesel	
4	Terminal A	Drainage -	Roller	Diesel	
4	Terminal A	Drainage -	Dump Truc	Diesel	
4	Terminal A	Drainage -	Loader	Diesel	
4	Terminal A	Drainage -	Other Gen	Diesel	
4	Terminal A	Drainage -	Pickup Tru	Diesel	

4	Terminal A	Drainage -	Tractors/Lo	Diesel	
4	Terminal A	Dust Contr	Water Truc	Diesel	
4	Terminal A	Excavatior	Dozer	Diesel	
4	Terminal A	Excavatior	Dump Truc	Diesel	
4	Terminal A	Excavatior	Pickup Tru	Diesel	
4	Terminal A	Excavatior	Roller	Diesel	
4	Terminal A	Excavatior	Dozer	Diesel	
4	Terminal A	Excavatior	Dump Truc	Diesel	
4	Terminal A	Excavatior	Excavator	Diesel	
4	Terminal A	Excavatior	Pickup Tru	Diesel	
4	Terminal A	Excavatior	Roller	Diesel	
4	Terminal A	Excavatior	Scraper	Diesel	
4	Terminal A	Excavatior	Dozer	Diesel	
4	Terminal A	Fencing	Concrete T	Diesel	
4	Terminal A	Fencing	Dump Truc	Diesel	
4	Terminal A	Fencing	Other Gen	Diesel	
4	Terminal A	Fencing	Pickup Tru	Diesel	
4	Terminal A	Fencing	Skid Steer	Diesel	
4	Terminal A	Fencing	Tractors/Lo	Diesel	
4	Terminal A	Grading	Dozer	Diesel	
4	Terminal A	Grading	Grader	Diesel	
4	Terminal A	Grading	Roller	Diesel	
4	Terminal A	Hydroseec	Hydroseed	Diesel	
4	Terminal A	Hydroseec	Off-Road T	Diesel	
4	Terminal A	Lighting	Dump Truc	Diesel	
4	Terminal A	Lighting	Loader	Diesel	
4	Terminal A	Lighting	Other Gen	Diesel	
4	Terminal A	Lighting	Pickup Tru	Diesel	
4	Terminal A	Lighting	Skid Steer	Diesel	
4	Terminal A	Lighting	Tractors/Lo	Diesel	
4	Terminal A	Markings	Flatbed Tr	Diesel	
4	Terminal A	Markings	Other Gen	Diesel	
4	Terminal A	Markings	Pickup Tru	Diesel	
4	Terminal A	Sealing/Fu	Distributin	Diesel	
4	Terminal A	Sealing/Fu	Other Gen	Diesel	
4	Terminal A	Sealing/Fu	Pickup Tru	Diesel	
4	Terminal A	Soil Erosio	Other Gen	Diesel	
4	Terminal A	Soil Erosio	Pickup Tru	Diesel	
4	Terminal A	Soil Erosio	Pumps	Diesel	
4	Terminal A	Soil Erosio	Tractors/Lo	Diesel	
4	Terminal A	Subbase P	Dozer	Diesel	
4	Terminal A	Subbase P	Dump Truc	Diesel	
4	Terminal A	Subbase P	Pickup Tru	Diesel	
4	Terminal A	Subbase P	Roller	Diesel	
4	Terminal A	Topsoil Pla	Dozer	Diesel	
4	Terminal A	Topsoil Pla	Dump Truc	Diesel	
4	Terminal A	Topsoil Pla	Pickup Tru	Diesel	
5	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	
5	Taxiways	Asphalt Pla	Dump Truc	Diesel	
5	Taxiways	Asphalt Pla	Other Gen	Diesel	
5	Taxiways	Asphalt Pla	Pickup Tru	Diesel	
5	Taxiways	Asphalt Pla	Roller	Diesel	
5	Taxiways	Asphalt Pla	Skid Steer	Diesel	
5	Taxiways	Asphalt Pla	Surfacing E	Diesel	
5	Taxiways	Clearing ar	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
5	Taxiways	Clearing ar	Chipper/St	Diesel	
5	Taxiways	Clearing ar	Pickup Tru	Diesel	
5	Taxiways	Concrete F	Air Compre	Diesel	
5	Taxiways	Concrete F	Concrete S	Diesel	
5	Taxiways	Concrete F	Concrete T	Diesel	
5	Taxiways	Concrete F	Other Gen	Diesel	
5	Taxiways	Concrete F	Pickup Tru	Diesel	
5	Taxiways	Concrete F	Rubber Tir	Diesel	
5	Taxiways	Concrete F	Slip Form F	Diesel	
5	Taxiways	Concrete F	Surfacing E	Diesel	
5	Taxiways	Drainage -	Dozer	Diesel	
5	Taxiways	Drainage -	Dump Truc	Diesel	
5	Taxiways	Drainage -	Excavator	Diesel	
5	Taxiways	Drainage -	Loader	Diesel	
5	Taxiways	Drainage -	Other Gen	Diesel	
5	Taxiways	Drainage -	Pickup Tru	Diesel	
5	Taxiways	Drainage -	Roller	Diesel	
5	Taxiways	Drainage -	Dump Truc	Diesel	
5	Taxiways	Drainage -	Loader	Diesel	
5	Taxiways	Drainage -	Other Gen	Diesel	
5	Taxiways	Drainage -	Pickup Tru	Diesel	
5	Taxiways	Drainage -	Tractors/Lo	Diesel	
5	Taxiways	Dust Contr	Water Truc	Diesel	
5	Taxiways	Excavatior	Dozer	Diesel	
5	Taxiways	Excavatior	Dump Truc	Diesel	
5	Taxiways	Excavatior	Pickup Tru	Diesel	
5	Taxiways	Excavatior	Roller	Diesel	
5	Taxiways	Excavatior	Dozer	Diesel	
5	Taxiways	Excavatior	Dump Truc	Diesel	
5	Taxiways	Excavatior	Excavator	Diesel	
5	Taxiways	Excavatior	Pickup Tru	Diesel	
5	Taxiways	Excavatior	Roller	Diesel	
5	Taxiways	Excavatior	Scraper	Diesel	
5	Taxiways	Excavatior	Dozer	Diesel	
5	Taxiways	Fencing	Concrete T	Diesel	
5	Taxiways	Fencing	Dump Truc	Diesel	
5	Taxiways	Fencing	Other Gen	Diesel	
5	Taxiways	Fencing	Pickup Tru	Diesel	
5	Taxiways	Fencing	Skid Steer	Diesel	
5	Taxiways	Fencing	Tractors/Lo	Diesel	
5	Taxiways	Grading	Dozer	Diesel	
5	Taxiways	Grading	Grader	Diesel	
5	Taxiways	Grading	Roller	Diesel	
5	Taxiways	Hydroseec	Hydroseed	Diesel	
5	Taxiways	Hydroseec	Off-Road T	Diesel	
5	Taxiways	Lighting	Dump Truc	Diesel	
5	Taxiways	Lighting	Loader	Diesel	
5	Taxiways	Lighting	Other Gen	Diesel	
5	Taxiways	Lighting	Pickup Tru	Diesel	
5	Taxiways	Lighting	Skid Steer	Diesel	
5	Taxiways	Lighting	Tractors/Lo	Diesel	
5	Taxiways	Markings	Flatbed Tr	Diesel	
5	Taxiways	Markings	Other Gen	Diesel	
5	Taxiways	Markings	Pickup Tru	Diesel	
5	Taxiways	Soil Erosio	Other Gen	Diesel	
5	Taxiways	Soil Erosio	Pickup Tru	Diesel	
5	Taxiways	Soil Erosio	Pumps	Diesel	
5	Taxiways	Soil Erosio	Tractors/Lo	Diesel	
5	Taxiways	Subbase P	Dozer	Diesel	
5	Taxiways	Subbase P	Dump Truc	Diesel	
5	Taxiways	Subbase P	Pickup Tru	Diesel	
5	Taxiways	Subbase P	Roller	Diesel	
5	Taxiways	Topsoil Pla	Dozer	Diesel	
5	Taxiways	Topsoil Pla	Dump Truc	Diesel	
5	Taxiways	Topsoil Pla	Pickup Tru	Diesel	

Overall Size

Scenario It	Project	Project Siz	User Input	Unit
1	Building - :	What is th	12.1	$ Million(s)
1	Taxiways	What is th	6.2	$ Million(s)
1	Taxiways	What is th	1733	Feet
1	Taxiways	What is th	75	Feet
1	Terminal A	What is th	2.4	$ Million(s)
1	Terminal A	What is th	375	Feet
1	Terminal A	What is th	164	Feet
2	Building - :	What is th	12.1	$ Million(s)
2	Terminal A	What is th	2.4	$ Million(s)
2	Terminal A	What is th	375	Feet
2	Terminal A	What is th	164	Feet
3	Access Roa	What is th	0.75	$ Million(s)
3	Access Roa	What is th	2160	Feet
3	Access Roa	What is th	24	Feet
3	Building - :	What is th	12.1	$ Million(s)
3	Parking Lo	What is th	3.5	$ Million(s)
3	Parking Lo	What is th	3150	Feet

3	Parking Lo	What is th	180	Feet
3	Terminal A	What is th	2.4	$ Million(s)
3	Terminal A	What is th	375	Feet
3	Terminal A	What is th	164	Feet
4	Access Ro	What is th	0.75	$ Million(s)
4	Access Ro	What is th	1440	Feet
4	Access Ro	What is th	24	Feet
4	Building - :	What is th	8	$ Million(s)
4	Parking Lo	What is th	2.3	$ Million(s)
4	Parking Lo	What is th	3150	Feet
4	Parking Lo	What is th	120	Feet
4	Terminal A	What is th	1.6	$ Million(s)
4	Terminal A	What is th	375	Feet
4	Terminal A	What is th	109	Feet
5	Taxiways	What is th	5.1	$ Million(s)
5	Taxiways	What is th	1417	Feet
5	Taxiways	What is th	75	Feet

Size Detail (Estimated based on engineering experience)

ScenarioID	Project	Constructi	Default Ac	Unit	User Activity Size
1	Taxiways	Asphalt Pl	14427.2	Square Yards	
1	Taxiways	Clearing a	3.4	Acres	
1	Taxiways	Concrete F	6011.3	Cubic Yards	
1	Taxiways	Drainage -	1743	Linear Feet	
1	Taxiways	Drainage -	3486	Linear Feet	
1	Taxiways	Dust Cont	180	Days	
1	Taxiways	Excavatior	6011.3	Cubic Yards	
1	Taxiways	Excavatior	6011.3	Cubic Yards	
1	Taxiways	Excavatior	14427.2	Square Yards	
1	Taxiways	Fencing	1733	Linear Feet	
1	Taxiways	Grading	16445.2	Square Yards	
1	Taxiways	Hydroseec	148155	Square Feet	
1	Taxiways	Lighting	3616	Linear Feet	
1	Taxiways	Markings	129975	Square Feet	
1	Taxiways	Soil Erosio	3.4	Acres	
1	Taxiways	Subbase P	14427.2	Square Yards	
1	Taxiways	Subbase P	4809.1	Cubic Yards	
1	Taxiways	Topsoil Pla	2740.9	Cubic Yards	
1	Terminal A	Asphalt Pl	6826.5	Square Yards	
1	Terminal A	Clearing a	1.5	Acres	
1	Terminal A	Concrete F	2844.4	Cubic Yards	
1	Terminal A	Drainage -	385	Linear Feet	
1	Terminal A	Drainage -	770	Linear Feet	
1	Terminal A	Dust Cont	180	Days	
1	Terminal A	Excavatior	2844.4	Cubic Yards	
1	Terminal A	Excavatior	2844.4	Cubic Yards	
1	Terminal A	Excavatior	6826.5	Square Yards	
1	Terminal A	Fencing	375	Linear Feet	
1	Terminal A	Grading	7435.9	Square Yards	
1	Terminal A	Hydroseec	66990	Square Feet	
1	Terminal A	Lighting	1078	Linear Feet	
1	Terminal A	Markings	61500	Square Feet	
1	Terminal A	Sealing/Fu	6826.5	Square Yards	
1	Terminal A	Soil Erosio	1.5	Acres	
1	Terminal A	Subbase P	6826.5	Square Yards	
1	Terminal A	Subbase P	2275.5	Cubic Yards	
1	Terminal A	Topsoil Pla	1239.3	Cubic Yards	
2	Terminal A	Asphalt Pl	6826.5	Square Yards	
2	Terminal A	Clearing a	1.5	Acres	
2	Terminal A	Concrete F	2844.4	Cubic Yards	
2	Terminal A	Drainage -	385	Linear Feet	
2	Terminal A	Drainage -	770	Linear Feet	
2	Terminal A	Dust Cont	180	Days	
2	Terminal A	Excavatior	2844.4	Cubic Yards	
2	Terminal A	Excavatior	2844.4	Cubic Yards	
2	Terminal A	Excavatior	6826.5	Square Yards	
2	Terminal A	Fencing	375	Linear Feet	
2	Terminal A	Grading	7435.9	Square Yards	
2	Terminal A	Hydroseec	66990	Square Feet	
2	Terminal A	Lighting	1078	Linear Feet	
2	Terminal A	Markings	61500	Square Feet	
2	Terminal A	Sealing/Fu	6826.5	Square Yards	
2	Terminal A	Soil Erosio	1.5	Acres	
2	Terminal A	Subbase P	6826.5	Square Yards	
2	Terminal A	Subbase P	2275.5	Cubic Yards	
2	Terminal A	Topsoil Pla	1239.3	Cubic Yards	
3	Access Ro	Asphalt Pl	5754.2	Square Yards	
3	Access Ro	Clearing a	1.7	Acres	
3	Access Ro	Concrete F	2397.6	Cubic Yards	
3	Access Ro	Curbing	4320	Linear Feet	
3	Access Ro	Drainage -	2170	Linear Feet	
3	Access Ro	Drainage -	4340	Linear Feet	
3	Access Ro	Dust Cont	180	Days	
3	Access Ro	Excavatior	2397.6	Cubic Yards	
3	Access Ro	Excavatior	2397.6	Cubic Yards	
3	Access Ro	Excavatior	5754.2	Square Yards	
3	Access Ro	Fencing	2160	Linear Feet	
3	Access Ro	Grading	8189.6	Square Yards	
3	Access Ro	Hydroseec	73780	Square Feet	
3	Access Ro	Markings	51840	Square Feet	
3	Access Ro	Sidewalks	12960	Square Feet	
3	Access Ro	Soil Erosio	1.7	Acres	
3	Access Ro	Street Ligh	21.6	Lights	
3	Access Ro	Subbase P	5754.2	Square Yards	
3	Access Ro	Subbase P	1918.1	Cubic Yards	
3	Access Ro	Topsoil Pla	1364.9	Cubic Yards	
3	Access Ro	Tree Plant	0	Trees	
3	Parking Lo	Asphalt Pl	62937	Square Yards	
3	Parking Lo	Clearing a	13.8	Acres	
3	Parking Lo	Concrete F	26223.8	Cubic Yards	
3	Parking Lo	Curbing	3150	Linear Feet	
3	Parking Lo	Drainage -	3160	Linear Feet	
3	Parking Lo	Drainage -	18960	Linear Feet	
3	Parking Lo	Excavatior	26223.8	Cubic Yards	
3	Parking Lo	Excavatior	26223.8	Cubic Yards	
3	Parking Lo	Excavatior	62937	Square Yards	
3	Parking Lo	Fencing	3150	Linear Feet	
3	Parking Lo	Grading	66644.4	Square Yards	
3	Parking Lo	Hydroseec	600400	Square Feet	
3	Parking Lo	Markings	6660	Square Feet	
3	Parking Lo	Sidewalks	9450	Square Feet	
3	Parking Lo	Soil Erosio	13.8	Acres	
3	Parking Lo	Street Ligh	14.2	Lights	
3	Parking Lo	Subbase P	62937	Square Yards	
3	Parking Lo	Subbase P	20979	Cubic Yards	
3	Parking Lo	Topsoil Pla	11107.4	Cubic Yards	
3	Parking Lo	Tree Plant	0	Trees	
3	Terminal A	Asphalt Pl	6826.5	Square Yards	
3	Terminal A	Clearing a	1.5	Acres	
3	Terminal A	Concrete F	2844.4	Cubic Yards	
3	Terminal A	Drainage -	385	Linear Feet	
3	Terminal A	Drainage -	770	Linear Feet	
3	Terminal A	Dust Cont	180	Days	
3	Terminal A	Excavatior	2844.4	Cubic Yards	
3	Terminal A	Excavatior	2844.4	Cubic Yards	
3	Terminal A	Excavatior	6826.5	Square Yards	
3	Terminal A	Fencing	375	Linear Feet	
3	Terminal A	Grading	7435.9	Square Yards	
3	Terminal A	Hydroseec	66990	Square Feet	
3	Terminal A	Lighting	1078	Linear Feet	
3	Terminal A	Markings	61500	Square Feet	
3	Terminal A	Sealing/Fu	6826.5	Square Yards	
3	Terminal A	Soil Erosio	1.5	Acres	
3	Terminal A	Subbase P	6826.5	Square Yards	
3	Terminal A	Subbase P	2275.5	Cubic Yards	
3	Terminal A	Topsoil Pla	1239.3	Cubic Yards	
4	Access Ro	Asphalt Pl	3836.2	Square Yards	
4	Access Ro	Clearing a	1.1	Acres	
4	Access Ro	Concrete F	1598.4	Cubic Yards	
4	Access Ro	Curbing	2880	Linear Feet	

4	Access Ro	Drainage -	1450	Linear Feet
4	Access Ro	Drainage -	2900	Linear Feet
4	Access Ro	Dust Cont	120	Days
4	Access Ro	Excavatior	1598.4	Cubic Yards
4	Access Ro	Excavatior	1598.4	Cubic Yards
4	Access Ro	Excavatior	3836.2	Square Yards
4	Access Ro	Fencing	1440	Linear Feet
4	Access Ro	Grading	5472.3	Square Yards
4	Access Ro	Hydroseec	49300	Square Feet
4	Access Ro	Markings	34560	Square Feet
4	Access Ro	Sidewalks	8640	Square Feet
4	Access Ro	Soil Erosio	1.1	Acres
4	Access Ro	Street Ligh	14.4	Lights
4	Access Ro	Subbase P	3836.2	Square Yards
4	Access Ro	Subbase P	1278.7	Cubic Yards
4	Access Ro	Topsoil Pla	912.1	Cubic Yards
4	Access Ro	Tree Plant	0	Trees
4	Parking Lo	Asphalt Pla	41958	Square Yards
4	Parking Lo	Clearing ar	9.4	Acres
4	Parking Lo	Concrete F	17482.5	Cubic Yards
4	Parking Lo	Curbing	3150	Linear Feet
4	Parking Lo	Drainage -	3160	Linear Feet
4	Parking Lo	Drainage -	18960	Linear Feet
4	Parking Lo	Excavatior	17482.5	Cubic Yards
4	Parking Lo	Excavatior	17482.5	Cubic Yards
4	Parking Lo	Excavatior	41958	Square Yards
4	Parking Lo	Fencing	3150	Linear Feet
4	Parking Lo	Grading	45598.8	Square Yards
4	Parking Lo	Hydroseec	410800	Square Feet
4	Parking Lo	Markings	6540	Square Feet
4	Parking Lo	Sidewalks	9450	Square Feet
4	Parking Lo	Soil Erosio	9.4	Acres
4	Parking Lo	Street Ligh	9.5	Lights
4	Parking Lo	Subbase P	41958	Square Yards
4	Parking Lo	Subbase P	13986	Cubic Yards
4	Parking Lo	Topsoil Pla	7599.8	Cubic Yards
4	Parking Lo	Tree Plant	0	Trees
4	Terminal A	Asphalt Pla	4537.1	Square Yards
4	Terminal A	Clearing ar	1.1	Acres
4	Terminal A	Concrete F	1890.5	Cubic Yards
4	Terminal A	Drainage -	385	Linear Feet
4	Terminal A	Drainage -	770	Linear Feet
4	Terminal A	Dust Cont	120	Days
4	Terminal A	Excavatior	1890.5	Cubic Yards
4	Terminal A	Excavatior	1890.5	Cubic Yards
4	Terminal A	Excavatior	4537.1	Square Yards
4	Terminal A	Fencing	375	Linear Feet
4	Terminal A	Grading	5085.5	Square Yards
4	Terminal A	Hydroseec	45815	Square Feet
4	Terminal A	Lighting	968	Linear Feet
4	Terminal A	Markings	40875	Square Feet
4	Terminal A	Sealing/Fu	4537.1	Square Yards
4	Terminal A	Soil Erosio	1.1	Acres
4	Terminal A	Subbase P	4537.1	Square Yards
4	Terminal A	Subbase P	1512.4	Cubic Yards
4	Terminal A	Topsoil Pla	847.6	Cubic Yards
5	Taxiways	Asphalt Pla	11796.5	Square Yards
5	Taxiways	Clearing ar	2.8	Acres
5	Taxiways	Concrete F	4915.2	Cubic Yards
5	Taxiways	Drainage -	1427	Linear Feet
5	Taxiways	Drainage -	2854	Linear Feet
5	Taxiways	Dust Cont	150	Days
5	Taxiways	Excavatior	4915.2	Cubic Yards
5	Taxiways	Excavatior	4915.2	Cubic Yards
5	Taxiways	Excavatior	11796.5	Square Yards
5	Taxiways	Fencing	1417	Linear Feet
5	Taxiways	Grading	13463.7	Square Yards
5	Taxiways	Hydroseec	121295	Square Feet
5	Taxiways	Lighting	2984	Linear Feet
5	Taxiways	Markings	106275	Square Feet
5	Taxiways	Soil Erosio	2.8	Acres
5	Taxiways	Subbase P	11796.5	Square Yards
5	Taxiways	Subbase P	3932.2	Cubic Yards
5	Taxiways	Topsoil Pla	2244	Cubic Yards

Activity: Non-Road (Estimated based on engineering experience)

Scenario ID	Project	Constructi	Equipment	Fuel Type	Activity Siz	Activity Ra	Default Ac	Activity Ur	User Activity Data
1	Building - :	Concrete F	Backhoe	Diesel	100000.00	0.0048 Ho	480	hours	
1	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0018 Ho	180	hours	
1	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0036 Ho	360	hours	
1	Building - :	Concrete F	Excavator	Diesel	100000.00	0.0016 Ho	160	hours	
1	Building - :	Concrete F	Fork Truck	Diesel	100000.00	0.0048 Ho	480	hours	
1	Building - :	Concrete F	Tool Truck	Diesel	100000.00	0.0012 Ho	120	hours	
1	Building - :	Concrete F	Tractor Tra	Diesel	100000.00	0.0024 Ho	240	hours	
1	Building - :	Constructi	Survey Cre	Diesel	100000.00	0.0001 Ho	10	hours	
1	Building - :	Constructi	Tractor Tra	Diesel	100000.00	0.00004 H	4	hours	
1	Building - :	Exterior W	Fork Truck	Diesel	100000.00	0.0084 Ho	840	hours	
1	Building - :	Exterior W	Generator	Diesel	100000.00	0.0008 Ho	80	hours	
1	Building - :	Exterior W	Grout Mix	Diesel	100000.00	0.0042 Ho	420	hours	
1	Building - :	Exterior W	Grout Whe	Diesel	100000.00	0.0016 Ho	160	hours	
1	Building - :	Exterior W	Man Lift	Diesel	100000.00	0.0168 Ho	1680	hours	
1	Building - :	Exterior W	Tool Truck	Diesel	100000.00	0.0042 Ho	420	hours	
1	Building - :	Exterior W	Tractor Tra	Diesel	100000.00	0.0084 Ho	840	hours	
1	Building - :	Exterior W	Truck Tow	Diesel	100000.00	0.0008 Ho	80	hours	
1	Building - :	Interior Bu	Fork Truck	Diesel	100000.00	0.016 Hou	1600	hours	
1	Building - :	Interior Bu	Man Lift	Diesel	100000.00	0.032 Hou	3200	hours	
1	Building - :	Interior Bu	Tool Truck	Diesel	100000.00	0.016 Hou	1600	hours	
1	Building - :	Interior Bu	Tractor Tra	Diesel	100000.00	0.016 Hou	1600	hours	
1	Building - :	Roofing	High Lift	Diesel	100000.00	0.0016 Ho	160	hours	
1	Building - :	Roofing	Man Lift	Diesel	100000.00	0.0004 Ho	40	hours	
1	Building - :	Roofing	Material D	Diesel	100000.00	0.0006 Ho	60	hours	
1	Building - :	Roofing	Tractor Tra	Diesel	100000.00	0.0004 Ho	40	hours	
1	Building - :	Roofing	Truck Tow	Diesel	100000.00	0.0012 Ho	120	hours	
1	Building - :	Security &	High Lift	Diesel	100000.00	0.008 Hou	800	hours	
1	Building - :	Security &	Tool Truck	Diesel	100000.00	0.008 Hou	800	hours	
1	Building - :	Structural	90 Ton Cra	Diesel	100000.00	0.0024 Ho	240	hours	
1	Building - :	Structural	Concrete F	Diesel	100000.00	0.0006 Ho	60	hours	
1	Building - :	Structural	Concrete T	Diesel	100000.00	0.0006 Ho	60	hours	
1	Building - :	Structural	Fork Truck	Diesel	100000.00	0.0064 Ho	640	hours	
1	Building - :	Structural	Tool Truck	Diesel	100000.00	0.0016 Ho	160	hours	
1	Building - :	Structural	Tractor Tra	Diesel	100000.00	0.0036 Ho	360	hours	
1	Building - :	Structural	Trowel Ma	Diesel	100000.00	0.0004 Ho	40	hours	
1	Building - :	Structural	Truck Tow	Diesel	100000.00	0.0072 Ho	720	hours	
1	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	14427.20	8 Hours pe	18.03	hours	
1	Taxiways	Asphalt Pla	Dump Truc	Diesel	14427.20	8 Hours pe	64.95	hours	
1	Taxiways	Asphalt Pla	Other Gen	Diesel	14427.20	16 Hours p	36.07	hours	
1	Taxiways	Asphalt Pla	Pickup Tru	Diesel	14427.20	8 Hours pe	18.03	hours	
1	Taxiways	Asphalt Pla	Roller	Diesel	14427.20	8 Hours pe	18.03	hours	
1	Taxiways	Asphalt Pla	Skid Steer	Diesel	14427.20	8 Hours pe	18.03	hours	
1	Taxiways	Asphalt Pla	Surfacing E	Diesel	14427.20	8 Hours pe	23.08	hours	
1	Taxiways	Clearing ar	Chain Saw	Diesel	3.40 Acre	12 Hours p	40.8	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Taxiways	Clearing ar	Chipper/St	Diesel	3.40 Acre	12 Hours p	40.8	hours	
1	Taxiways	Clearing ar	Pickup Tru	Diesel	3.40 Acre	16 Hours p	54.4	hours	
1	Taxiways	Concrete F	Air Compr	Diesel	6011.30 Cu	8 Hours pe	48.09	hours	
1	Taxiways	Concrete F	Concrete S	Diesel	6011.30 Cu	8 Hours pe	48.09	hours	
1	Taxiways	Concrete F	Concrete T	Diesel	6011.30 Cu	8 Hours pe	200.38	hours	
1	Taxiways	Concrete F	Other Gen	Diesel	6011.30 Cu	16 Hours p	96.18	hours	
1	Taxiways	Concrete F	Pickup Tru	Diesel	6011.30 Cu	24 Hours p	144.27	hours	
1	Taxiways	Concrete F	Rubber Tir	Diesel	6011.30 Cu	8 Hours pe	48.09	hours	
1	Taxiways	Concrete F	Slip Form I	Diesel	6011.30 Cu	8 Hours pe	48.09	hours	
1	Taxiways	Concrete F	Surfacing E	Diesel	6011.30 Cu	8 Hours pe	48.09	hours	
1	Taxiways	Drainage -	Dozer	Diesel	1743.00 LF	8 Hours pe	55.78	hours	
1	Taxiways	Drainage -	Dump Truc	Diesel	1743.00 LF	8 Hours pe	55.78	hours	
1	Taxiways	Drainage -	Excavator	Diesel	1743.00 LF	8 Hours pe	55.78	hours	
1	Taxiways	Drainage -	Loader	Diesel	1743.00 LF	8 Hours pe	55.78	hours	
1	Taxiways	Drainage -	Other Gen	Diesel	1743.00 LF	8 Hours pe	55.78	hours	
1	Taxiways	Drainage -	Pickup Tru	Diesel	1743.00 LF	8 Hours pe	55.78	hours	
1	Taxiways	Drainage -	Roller	Diesel	1743.00 LF	8 Hours pe	55.78	hours	
1	Taxiways	Drainage -	Dump Truc	Diesel	3486.00 LF	8 Hours pe	30.99	hours	
1	Taxiways	Drainage -	Loader	Diesel	3486.00 LF	8 Hours pe	30.99	hours	

1	Taxiways	Drainage -	Other Gen	Diesel	3486.00	LF	8 Hours pe	30.99	hours	
1	Taxiways	Drainage -	Pickup Tru	Diesel	3486.00	LF	8 Hours pe	30.99	hours	
1	Taxiways	Drainage -	Tractors/Lo	Diesel	3486.00	LF	8 Hours pe	30.99	hours	
1	Taxiways	Dust Contr	Water Truc	Diesel	180.00	Day	8 Hours pe	1440	hours	
1	Taxiways	Excavatior	Dozer	Diesel	6011.30	CY	8 Hours pe	80.15	hours	
1	Taxiways	Excavatior	Dump Truc	Diesel	6011.30	CY	8 Hours pe	80.15	hours	
1	Taxiways	Excavatior	Pickup Tru	Diesel	6011.30	CY	8 Hours pe	80.15	hours	
1	Taxiways	Excavatior	Roller	Diesel	6011.30	CY	8 Hours pe	36.99	hours	
1	Taxiways	Excavatior	Dozer	Diesel	6011.30	CY	8 Hours pe	60.11	hours	
1	Taxiways	Excavatior	Dump Truc	Diesel	6011.30	CY	8 Hours pe	160.3	hours	
1	Taxiways	Excavatior	Excavator	Diesel	6011.30	CY	8 Hours pe	48.09	hours	
1	Taxiways	Excavatior	Pickup Tru	Diesel	6011.30	CY	8 Hours pe	48.09	hours	
1	Taxiways	Excavatior	Roller	Diesel	6011.30	CY	8 Hours pe	48.09	hours	
1	Taxiways	Excavatior	Scraper	Diesel	6011.30	CY	8 Hours pe	60.11	hours	
1	Taxiways	Excavatior	Dozer	Diesel	14427.20	SY	8 Hours pe	22.63	hours	
1	Taxiways	Fencing	Concrete T	Diesel	1733.00	LF	2 Hours pe	19.26	hours	
1	Taxiways	Fencing	Dump Truc	Diesel	1733.00	LF	8 Hours pe	77.02	hours	
1	Taxiways	Fencing	Other Gen	Diesel	1733.00	LF	8 Hours pe	77.02	hours	
1	Taxiways	Fencing	Pickup Tru	Diesel	1733.00	LF	8 Hours pe	77.02	hours	
1	Taxiways	Fencing	Skid Steer	Diesel	1733.00	LF	8 Hours pe	77.02	hours	
1	Taxiways	Fencing	Tractors/Lo	Diesel	1733.00	LF	8 Hours pe	77.02	hours	
1	Taxiways	Grading	Dozer	Diesel	16445.20	SY	8 Hours pe	16.45	hours	
1	Taxiways	Grading	Grader	Diesel	16445.20	SY	8 Hours pe	16.45	hours	
1	Taxiways	Grading	Roller	Diesel	16445.20	SY	8 Hours pe	16.45	hours	
1	Taxiways	Hydroseec	Hydroseed	Diesel	148155.00	SY	8 Hours pe	14.82	hours	
1	Taxiways	Hydroseec	Off-Road T	Diesel	148155.00	SY	8 Hours pe	14.82	hours	
1	Taxiways	Lighting	Dump Truc	Diesel	3616.00	LF	8 Hours pe	24.11	hours	
1	Taxiways	Lighting	Loader	Diesel	3616.00	LF	8 Hours pe	24.11	hours	
1	Taxiways	Lighting	Other Gen	Diesel	3616.00	LF	8 Hours pe	24.11	hours	
1	Taxiways	Lighting	Pickup Tru	Diesel	3616.00	LF	8 Hours pe	24.11	hours	
1	Taxiways	Lighting	Skid Steer	Diesel	3616.00	LF	8 Hours pe	24.11	hours	
1	Taxiways	Lighting	Tractors/Lo	Diesel	3616.00	LF	8 Hours pe	24.11	hours	
1	Taxiways	Markings	Flatbed Tr	Diesel	129975.00		8 Hours pe	297.09	hours	
1	Taxiways	Markings	Other Gen	Diesel	129975.00		8 Hours pe	297.09	hours	
1	Taxiways	Markings	Pickup Tru	Diesel	129975.00		8 Hours pe	297.09	hours	
1	Taxiways	Soil Erosio	Other Gen	Diesel	3.40	Acre	4 Hours pe	13.6	hours	
1	Taxiways	Soil Erosio	Pickup Tru	Diesel	3.40	Acre	8 Hours pe	27.2	hours	
1	Taxiways	Soil Erosio	Pumps	Diesel	3.40	Acre	4 Hours pe	13.6	hours	
1	Taxiways	Soil Erosio	Tractors/Lo	Diesel	3.40	Acre	4 Hours pe	13.6	hours	
1	Taxiways	Subbase P	Dozer	Diesel	14427.20	SY	8 Hours pe	30.37	hours	
1	Taxiways	Subbase P	Dump Truc	Diesel	4809.10	CY	8 Hours pe	213.74	hours	
1	Taxiways	Subbase P	Pickup Tru	Diesel	14427.20	SY	8 Hours pe	30.37	hours	
1	Taxiways	Subbase P	Roller	Diesel	4809.10	CY	8 Hours pe	29.59	hours	
1	Taxiways	Topsoil Pla	Dozer	Diesel	2740.90	CY	8 Hours pe	36.55	hours	
1	Taxiways	Topsoil Pla	Dump Truc	Diesel	2740.90	CY	8 Hours pe	36.55	hours	
1	Taxiways	Topsoil Pla	Pickup Tru	Diesel	2740.90	CY	8 Hours pe	36.55	hours	
1	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	6826.50	SY	8 Hours pe	8.53	hours	
1	Terminal A	Asphalt Pla	Dump Truc	Diesel	6826.50	SY	8 Hours pe	30.73	hours	
1	Terminal A	Asphalt Pla	Other Gen	Diesel	6826.50	SY	16 Hours p	17.07	hours	
1	Terminal A	Asphalt Pla	Pickup Tru	Diesel	6826.50	SY	8 Hours pe	8.53	hours	
1	Terminal A	Asphalt Pla	Roller	Diesel	6826.50	SY	8 Hours pe	8.53	hours	
1	Terminal A	Asphalt Pla	Skid Steer	Diesel	6826.50	SY	8 Hours pe	8.53	hours	
1	Terminal A	Asphalt Pla	Surfacing E	Diesel	6826.50	SY	8 Hours pe	10.92	hours	
1	Terminal A	Clearing ar	Chain Saw	Diesel	1.50	Acre	12 Hours p	18	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Terminal A	Clearing ar	Chipper/St	Diesel	1.50	Acre	12 Hours p	18	hours	
1	Terminal A	Clearing ar	Pickup Tru	Diesel	1.50	Acre	16 Hours p	24	hours	
1	Terminal A	Concrete F	Air Compre	Diesel	2844.40	CY	8 Hours pe	22.76	hours	
1	Terminal A	Concrete F	Concrete S	Diesel	2844.40	CY	8 Hours pe	22.76	hours	
1	Terminal A	Concrete F	Concrete T	Diesel	2844.40	CY	8 Hours pe	94.81	hours	
1	Terminal A	Concrete F	Other Gen	Diesel	2844.40	CY	16 Hours p	45.51	hours	
1	Terminal A	Concrete F	Pickup Tru	Diesel	2844.40	CY	24 Hours p	68.27	hours	
1	Terminal A	Concrete F	Rubber Tir	Diesel	2844.40	CY	8 Hours pe	22.76	hours	
1	Terminal A	Concrete F	Slip Form I	Diesel	2844.40	CY	8 Hours pe	22.76	hours	
1	Terminal A	Concrete F	Surfacing E	Diesel	2844.40	CY	8 Hours pe	22.76	hours	
1	Terminal A	Drainage -	Dozer	Diesel	385.00	LF	8 Hours pe	12.32	hours	
1	Terminal A	Drainage -	Dump Truc	Diesel	385.00	LF	8 Hours pe	12.32	hours	
1	Terminal A	Drainage -	Excavator	Diesel	385.00	LF	8 Hours pe	12.32	hours	
1	Terminal A	Drainage -	Loader	Diesel	385.00	LF	8 Hours pe	12.32	hours	
1	Terminal A	Drainage -	Other Gen	Diesel	385.00	LF	8 Hours pe	12.32	hours	
1	Terminal A	Drainage -	Pickup Tru	Diesel	385.00	LF	8 Hours pe	12.32	hours	
1	Terminal A	Drainage -	Roller	Diesel	385.00	LF	8 Hours pe	12.32	hours	
1	Terminal A	Drainage -	Dump Truc	Diesel	770.00	LF	8 Hours pe	6.84	hours	
1	Terminal A	Drainage -	Loader	Diesel	770.00	LF	8 Hours pe	6.84	hours	
1	Terminal A	Drainage -	Other Gen	Diesel	770.00	LF	8 Hours pe	6.84	hours	
1	Terminal A	Drainage -	Pickup Tru	Diesel	770.00	LF	8 Hours pe	6.84	hours	
1	Terminal A	Drainage -	Tractors/Lo	Diesel	770.00	LF	8 Hours pe	6.84	hours	
1	Terminal A	Dust Contr	Water Truc	Diesel	180.00	Day	8 Hours pe	1440	hours	
1	Terminal A	Excavatior	Dozer	Diesel	2844.40	CY	8 Hours pe	37.93	hours	
1	Terminal A	Excavatior	Dump Truc	Diesel	2844.40	CY	8 Hours pe	37.93	hours	
1	Terminal A	Excavatior	Pickup Tru	Diesel	2844.40	CY	8 Hours pe	37.93	hours	
1	Terminal A	Excavatior	Roller	Diesel	2844.40	CY	8 Hours pe	17.5	hours	
1	Terminal A	Excavatior	Dozer	Diesel	2844.40	CY	8 Hours pe	28.44	hours	
1	Terminal A	Excavatior	Dump Truc	Diesel	2844.40	CY	8 Hours pe	75.85	hours	
1	Terminal A	Excavatior	Excavator	Diesel	2844.40	CY	8 Hours pe	22.76	hours	
1	Terminal A	Excavatior	Pickup Tru	Diesel	2844.40	CY	8 Hours pe	22.76	hours	
1	Terminal A	Excavatior	Roller	Diesel	2844.40	CY	8 Hours pe	22.76	hours	
1	Terminal A	Excavatior	Scraper	Diesel	2844.40	CY	8 Hours pe	28.44	hours	
1	Terminal A	Excavatior	Dozer	Diesel	6826.50	SY	8 Hours pe	10.71	hours	
1	Terminal A	Fencing	Concrete T	Diesel	375.00	LF	2 Hours pe	4.17	hours	
1	Terminal A	Fencing	Dump Truc	Diesel	375.00	LF	8 Hours pe	16.67	hours	
1	Terminal A	Fencing	Other Gen	Diesel	375.00	LF	8 Hours pe	16.67	hours	
1	Terminal A	Fencing	Pickup Tru	Diesel	375.00	LF	8 Hours pe	16.67	hours	
1	Terminal A	Fencing	Skid Steer	Diesel	375.00	LF	8 Hours pe	16.67	hours	
1	Terminal A	Fencing	Tractors/Lo	Diesel	375.00	LF	8 Hours pe	16.67	hours	
1	Terminal A	Grading	Dozer	Diesel	7435.90	SY	8 Hours pe	7.44	hours	
1	Terminal A	Grading	Grader	Diesel	7435.90	SY	8 Hours pe	7.44	hours	
1	Terminal A	Grading	Roller	Diesel	7435.90	SY	8 Hours pe	7.44	hours	
1	Terminal A	Hydroseec	Hydroseed	Diesel	66990.00	SY	8 Hours pe	6.7	hours	
1	Terminal A	Hydroseec	Off-Road T	Diesel	66990.00	SY	8 Hours pe	6.7	hours	
1	Terminal A	Lighting	Dump Truc	Diesel	1078.00	LF	8 Hours pe	7.19	hours	
1	Terminal A	Lighting	Loader	Diesel	1078.00	LF	8 Hours pe	7.19	hours	
1	Terminal A	Lighting	Other Gen	Diesel	1078.00	LF	8 Hours pe	7.19	hours	
1	Terminal A	Lighting	Pickup Tru	Diesel	1078.00	LF	8 Hours pe	7.19	hours	
1	Terminal A	Lighting	Skid Steer	Diesel	1078.00	LF	8 Hours pe	7.19	hours	
1	Terminal A	Lighting	Tractors/Lo	Diesel	1078.00	LF	8 Hours pe	7.19	hours	
1	Terminal A	Markings	Flatbed Tr	Diesel	61500.00	SY	8 Hours pe	140.57	hours	
1	Terminal A	Markings	Other Gen	Diesel	61500.00	SY	8 Hours pe	140.57	hours	
1	Terminal A	Markings	Pickup Tru	Diesel	61500.00	SY	8 Hours pe	140.57	hours	
1	Terminal A	Sealing/Fu	Distributin	Diesel	6826.50	SY	8 Hours pe	18.2	hours	
1	Terminal A	Sealing/Fu	Other Gen	Diesel	6826.50	SY	8 Hours pe	18.2	hours	
1	Terminal A	Sealing/Fu	Pickup Tru	Diesel	6826.50	SY	8 Hours pe	18.2	hours	
1	Terminal A	Soil Erosio	Other Gen	Diesel	1.50	Acre	4 Hours pe	6	hours	
1	Terminal A	Soil Erosio	Pickup Tru	Diesel	1.50	Acre	8 Hours pe	12	hours	
1	Terminal A	Soil Erosio	Pumps	Diesel	1.50	Acre	4 Hours pe	6	hours	
1	Terminal A	Soil Erosio	Tractors/Lo	Diesel	1.50	Acre	4 Hours pe	6	hours	
1	Terminal A	Subbase P	Dozer	Diesel	6826.50	SY	8 Hours pe	14.37	hours	
1	Terminal A	Subbase P	Dump Truc	Diesel	2275.50	CY	8 Hours pe	101.13	hours	
1	Terminal A	Subbase P	Pickup Tru	Diesel	6826.50	SY	8 Hours pe	14.37	hours	
1	Terminal A	Subbase P	Roller	Diesel	2275.50	CY	8 Hours pe	14	hours	
1	Terminal A	Topsoil Pla	Dozer	Diesel	1239.30	CY	8 Hours pe	16.52	hours	
1	Terminal A	Topsoil Pla	Dump Truc	Diesel	1239.30	CY	8 Hours pe	16.52	hours	
1	Terminal A	Topsoil Pla	Pickup Tru	Diesel	1239.30	CY	8 Hours pe	16.52	hours	
2	Building - :	Concrete F	Backhoe	Diesel	100000.00	0.0048	Ho	480	hours	
2	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0018	Ho	180	hours	
2	Building - :	Concrete F	Concrete F	Diesel	100000.00	0.0036	Ho	360	hours	
2	Building - :	Concrete F	Excavator	Diesel	100000.00	0.0016	Ho	160	hours	
2	Building - :	Concrete F	Fork Truck	Diesel	100000.00	0.0048	Ho	480	hours	
2	Building - :	Concrete F	Tool Truck	Diesel	100000.00	0.0012	Ho	120	hours	
2	Building - :	Concrete F	Tractor Tra	Diesel	100000.00	0.0024	Ho	240	hours	
2	Building - :	Constructi	Survey Cre	Diesel	100000.00	0.0001	Ho	10	hours	
2	Building - :	Constructi	Tractor Tra	Diesel	100000.00	0.00004	Ho	4	hours	
2	Building - :	Exterior W	Fork Truck	Diesel	100000.00	0.0084	Ho	840	hours	
2	Building - :	Exterior W	Generator	Diesel	100000.00	0.0008	Ho	80	hours	
2	Building - :	Exterior W	Grout Mixe	Diesel	100000.00	0.0042	Ho	420	hours	
2	Building - :	Exterior W	Grout Whe	Diesel	100000.00	0.0016	Ho	160	hours	
2	Building - :	Exterior W	Man Lift	Diesel	100000.00	0.0168	Ho	1680	hours	
2	Building - :	Exterior W	Tool Truck	Diesel	100000.00	0.0042	Ho	420	hours	
2	Building - :	Exterior W	Tractor Tra	Diesel	100000.00	0.0084	Ho	840	hours	
2	Building - :	Exterior W	Truck Tow	Diesel	100000.00	0.0008	Ho	80	hours	
2	Building - :	Interior Bu	Fork Truck	Diesel	100000.00	0.016	Hou	1600	hours	
2	Building - :	Interior Bu	Man Lift	Diesel	100000.00	0.032	Hou	3200	hours	
2	Building - :	Interior Bu	Tool Truck	Diesel	100000.00	0.016	Hou	1600	hours	

2	Building - :	Interior Bu	Tractor Tra	Diesel	100000.00	0.016 Hou	1600	hours	
2	Building - :	Roofing	High Lift	Diesel	100000.00	0.0016 Ho	160	hours	
2	Building - :	Roofing	Man Lift	Diesel	100000.00	0.0004 Ho	40	hours	
2	Building - :	Roofing	Material D	Diesel	100000.00	0.0006 Ho	60	hours	
2	Building - :	Roofing	Tractor Tra	Diesel	100000.00	0.0004 Ho	40	hours	
2	Building - :	Roofing	Truck Tow	Diesel	100000.00	0.0012 Ho	120	hours	
2	Building - :	Security &	High Lift	Diesel	100000.00	0.008 Hou	800	hours	
2	Building - :	Security &	Tool Truck	Diesel	100000.00	0.008 Hou	800	hours	
2	Building - :	Structural	90 Ton Cra	Diesel	100000.00	0.0024 Ho	240	hours	
2	Building - :	Structural	Concrete F	Diesel	100000.00	0.0006 Ho	60	hours	
2	Building - :	Structural	Concrete T	Diesel	100000.00	0.0006 Ho	60	hours	
2	Building - :	Structural	Fork Truck	Diesel	100000.00	0.0064 Ho	640	hours	
2	Building - :	Structural	Tool Truck	Diesel	100000.00	0.0016 Ho	160	hours	
2	Building - :	Structural	Tractor Tra	Diesel	100000.00	0.0036 Ho	360	hours	
2	Building - :	Structural	Trowel Ma	Diesel	100000.00	0.0004 Ho	40	hours	
2	Building - :	Structural	Truck Tow	Diesel	100000.00	0.0072 Ho	720	hours	
2	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	6826.50	Sh 8 Hours pe	8.53	hours	
2	Terminal A	Asphalt Pl	Dump Truc	Diesel	6826.50	Sh 8 Hours pe	30.73	hours	
2	Terminal A	Asphalt Pl	Other Gen	Diesel	6826.50	Sh 16 Hours p	17.07	hours	
2	Terminal A	Asphalt Pl	Pickup Tru	Diesel	6826.50	Sh 8 Hours pe	8.53	hours	
2	Terminal A	Asphalt Pl	Roller	Diesel	6826.50	Sh 8 Hours pe	8.53	hours	
2	Terminal A	Asphalt Pl	Skid Steer	Diesel	6826.50	Sh 8 Hours pe	8.53	hours	
2	Terminal A	Asphalt Pl	Surfacing E	Diesel	6826.50	Sh 8 Hours pe	10.92	hours	
2	Terminal A	Clearing a	Chain Saw	Diesel	1.50	Acre 12 Hours p	18	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	Terminal A	Clearing a	Chipper/St	Diesel	1.50	Acre 12 Hours p	18	hours	
2	Terminal A	Clearing a	Pickup Tru	Diesel	1.50	Acre 16 Hours p	24	hours	
2	Terminal A	Concrete F	Air Compre	Diesel	2844.40	Ch 8 Hours pe	22.76	hours	
2	Terminal A	Concrete F	Concrete S	Diesel	2844.40	Ch 8 Hours pe	22.76	hours	
2	Terminal A	Concrete F	Concrete T	Diesel	2844.40	Ch 8 Hours pe	94.81	hours	
2	Terminal A	Concrete F	Other Gen	Diesel	2844.40	Ch 16 Hours p	45.51	hours	
2	Terminal A	Concrete F	Pickup Tru	Diesel	2844.40	Ch 24 Hours p	68.27	hours	
2	Terminal A	Concrete F	Rubber Tir	Diesel	2844.40	Ch 8 Hours pe	22.76	hours	
2	Terminal A	Concrete F	Slip Form I	Diesel	2844.40	Ch 8 Hours pe	22.76	hours	
2	Terminal A	Concrete F	Surfacing E	Diesel	2844.40	Ch 8 Hours pe	22.76	hours	
2	Terminal A	Drainage -	Dozer	Diesel	385.00	LF 8 Hours pe	12.32	hours	
2	Terminal A	Drainage -	Dump Truc	Diesel	385.00	LF 8 Hours pe	12.32	hours	
2	Terminal A	Drainage -	Excavator	Diesel	385.00	LF 8 Hours pe	12.32	hours	
2	Terminal A	Drainage -	Loader	Diesel	385.00	LF 8 Hours pe	12.32	hours	
2	Terminal A	Drainage -	Other Gen	Diesel	385.00	LF 8 Hours pe	12.32	hours	
2	Terminal A	Drainage -	Pickup Tru	Diesel	385.00	LF 8 Hours pe	12.32	hours	
2	Terminal A	Drainage -	Roller	Diesel	385.00	LF 8 Hours pe	12.32	hours	
2	Terminal A	Drainage -	Dump Truc	Diesel	770.00	LF 8 Hours pe	6.84	hours	
2	Terminal A	Drainage -	Loader	Diesel	770.00	LF 8 Hours pe	6.84	hours	
2	Terminal A	Drainage -	Other Gen	Diesel	770.00	LF 8 Hours pe	6.84	hours	
2	Terminal A	Drainage -	Pickup Tru	Diesel	770.00	LF 8 Hours pe	6.84	hours	
2	Terminal A	Drainage -	Tractors/Lo	Diesel	770.00	LF 8 Hours pe	6.84	hours	
2	Terminal A	Dust Contr	Water Truc	Diesel	180.00	Day 8 Hours pe	1440	hours	
2	Terminal A	Excavatior	Dozer	Diesel	2844.40	Ch 8 Hours pe	37.93	hours	
2	Terminal A	Excavatior	Dump Truc	Diesel	2844.40	Ch 8 Hours pe	37.93	hours	
2	Terminal A	Excavatior	Pickup Tru	Diesel	2844.40	Ch 8 Hours pe	37.93	hours	
2	Terminal A	Excavatior	Roller	Diesel	2844.40	Ch 8 Hours pe	17.5	hours	
2	Terminal A	Excavatior	Dozer	Diesel	2844.40	Ch 8 Hours pe	28.44	hours	
2	Terminal A	Excavatior	Dump Truc	Diesel	2844.40	Ch 8 Hours pe	75.85	hours	
2	Terminal A	Excavatior	Excavator	Diesel	2844.40	Ch 8 Hours pe	22.76	hours	
2	Terminal A	Excavatior	Pickup Tru	Diesel	2844.40	Ch 8 Hours pe	22.76	hours	
2	Terminal A	Excavatior	Roller	Diesel	2844.40	Ch 8 Hours pe	22.76	hours	
2	Terminal A	Excavatior	Scraper	Diesel	2844.40	Ch 8 Hours pe	28.44	hours	
2	Terminal A	Excavatior	Dozer	Diesel	6826.50	Sh 8 Hours pe	10.71	hours	
2	Terminal A	Fencing	Concrete T	Diesel	375.00	LF 2 Hours pe	4.17	hours	
2	Terminal A	Fencing	Dump Truc	Diesel	375.00	LF 8 Hours pe	16.67	hours	
2	Terminal A	Fencing	Other Gen	Diesel	375.00	LF 8 Hours pe	16.67	hours	
2	Terminal A	Fencing	Pickup Tru	Diesel	375.00	LF 8 Hours pe	16.67	hours	
2	Terminal A	Fencing	Skid Steer	Diesel	375.00	LF 8 Hours pe	16.67	hours	
2	Terminal A	Fencing	Tractors/Lo	Diesel	375.00	LF 8 Hours pe	16.67	hours	
2	Terminal A	Grading	Dozer	Diesel	7435.90	Sh 8 Hours pe	7.44	hours	
2	Terminal A	Grading	Grader	Diesel	7435.90	Sh 8 Hours pe	7.44	hours	
2	Terminal A	Grading	Roller	Diesel	7435.90	Sh 8 Hours pe	7.44	hours	
2	Terminal A	Hydroseed	Hydroseed	Diesel	66990.00	Sh 8 Hours pe	6.7	hours	
2	Terminal A	Hydroseed	Off-Road T	Diesel	66990.00	Sh 8 Hours pe	6.7	hours	
2	Terminal A	Lighting	Dump Truc	Diesel	1078.00	LF 8 Hours pe	7.19	hours	
2	Terminal A	Lighting	Loader	Diesel	1078.00	LF 8 Hours pe	7.19	hours	
2	Terminal A	Lighting	Other Gen	Diesel	1078.00	LF 8 Hours pe	7.19	hours	
2	Terminal A	Lighting	Pickup Tru	Diesel	1078.00	LF 8 Hours pe	7.19	hours	
2	Terminal A	Lighting	Skid Steer	Diesel	1078.00	LF 8 Hours pe	7.19	hours	
2	Terminal A	Lighting	Tractors/Lo	Diesel	1078.00	LF 8 Hours pe	7.19	hours	
2	Terminal A	Markings	Flatbed Tri	Diesel	61500.00	Sh 8 Hours pe	140.57	hours	
2	Terminal A	Markings	Other Gen	Diesel	61500.00	Sh 8 Hours pe	140.57	hours	
2	Terminal A	Markings	Pickup Tru	Diesel	61500.00	Sh 8 Hours pe	140.57	hours	
2	Terminal A	Sealing/Fu	Distributin	Diesel	6826.50	Sh 8 Hours pe	18.2	hours	
2	Terminal A	Sealing/Fu	Other Gen	Diesel	6826.50	Sh 8 Hours pe	18.2	hours	
2	Terminal A	Sealing/Fu	Pickup Tru	Diesel	6826.50	Sh 8 Hours pe	18.2	hours	
2	Terminal A	Soil Erosio	Other Gen	Diesel	1.50	Acre 4 Hours pe	6	hours	
2	Terminal A	Soil Erosio	Pickup Tru	Diesel	1.50	Acre 8 Hours pe	12	hours	
2	Terminal A	Soil Erosio	Pumps	Diesel	1.50	Acre 4 Hours pe	6	hours	
2	Terminal A	Soil Erosio	Tractors/Lo	Diesel	1.50	Acre 4 Hours pe	6	hours	
2	Terminal A	Subbase P	Dozer	Diesel	6826.50	Sh 8 Hours pe	14.37	hours	
2	Terminal A	Subbase P	Dump Truc	Diesel	2275.50	Ch 8 Hours pe	101.13	hours	
2	Terminal A	Subbase P	Pickup Tru	Diesel	6826.50	Sh 8 Hours pe	14.37	hours	
2	Terminal A	Subbase P	Roller	Diesel	2275.50	Ch 8 Hours pe	14	hours	
2	Terminal A	Topsoil Pla	Dozer	Diesel	1239.30	Ch 8 Hours pe	16.52	hours	
2	Terminal A	Topsoil Pla	Dump Truc	Diesel	1239.30	Ch 8 Hours pe	16.52	hours	
2	Terminal A	Topsoil Pla	Pickup Tru	Diesel	1239.30	Ch 8 Hours pe	16.52	hours	
3	Access Roa	Asphalt Pl	Asphalt Pa	Diesel	5754.20	Sh 8 Hours pe	7.19	hours	
3	Access Roa	Asphalt Pl	Dump Truc	Diesel	5754.20	Sh 8 Hours pe	25.91	hours	
3	Access Roa	Asphalt Pl	Other Gen	Diesel	5754.20	Sh 16 Hours p	14.39	hours	
3	Access Roa	Asphalt Pl	Pickup Tru	Diesel	5754.20	Sh 8 Hours pe	7.19	hours	
3	Access Roa	Asphalt Pl	Roller	Diesel	5754.20	Sh 8 Hours pe	7.19	hours	
3	Access Roa	Asphalt Pl	Skid Steer	Diesel	5754.20	Sh 8 Hours pe	7.19	hours	
3	Access Roa	Asphalt Pl	Surfacing E	Diesel	5754.20	Sh 8 Hours pe	9.21	hours	
3	Access Roa	Clearing a	Chain Saw	Diesel	1.70	Acre 12 Hours p	20.4	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Access Roa	Clearing a	Chipper/St	Diesel	1.70	Acre 12 Hours p	20.4	hours	
3	Access Roa	Clearing a	Pickup Tru	Diesel	1.70	Acre 16 Hours p	27.2	hours	
3	Access Roa	Concrete F	Air Compre	Diesel	2397.60	Ch 8 Hours pe	19.18	hours	
3	Access Roa	Concrete F	Concrete S	Diesel	2397.60	Ch 8 Hours pe	19.18	hours	
3	Access Roa	Concrete F	Concrete T	Diesel	2397.60	Ch 8 Hours pe	79.92	hours	
3	Access Roa	Concrete F	Other Gen	Diesel	2397.60	Ch 16 Hours p	38.36	hours	
3	Access Roa	Concrete F	Pickup Tru	Diesel	2397.60	Ch 24 Hours p	57.54	hours	
3	Access Roa	Concrete F	Rubber Tir	Diesel	2397.60	Ch 8 Hours pe	19.18	hours	
3	Access Roa	Concrete F	Slip Form I	Diesel	2397.60	Ch 8 Hours pe	19.18	hours	
3	Access Roa	Concrete F	Surfacing E	Diesel	2397.60	Ch 8 Hours pe	19.18	hours	
3	Access Roa	Curbing	Concrete T	Diesel	4320.00	LF 8 Hours pe	86.4	hours	
3	Access Roa	Curbing	Curb/Gutte	Diesel	4320.00	LF 8 Hours pe	86.4	hours	
3	Access Roa	Curbing	Other Gen	Diesel	4320.00	LF 8 Hours pe	86.4	hours	
3	Access Roa	Curbing	Pickup Tru	Diesel	4320.00	LF 8 Hours pe	86.4	hours	
3	Access Roa	Drainage -	Dozer	Diesel	2170.00	LF 8 Hours pe	69.44	hours	
3	Access Roa	Drainage -	Dump Truc	Diesel	2170.00	LF 8 Hours pe	69.44	hours	
3	Access Roa	Drainage -	Excavator	Diesel	2170.00	LF 8 Hours pe	69.44	hours	
3	Access Roa	Drainage -	Loader	Diesel	2170.00	LF 8 Hours pe	69.44	hours	
3	Access Roa	Drainage -	Other Gen	Diesel	2170.00	LF 8 Hours pe	69.44	hours	
3	Access Roa	Drainage -	Pickup Tru	Diesel	2170.00	LF 8 Hours pe	69.44	hours	
3	Access Roa	Drainage -	Roller	Diesel	2170.00	LF 8 Hours pe	69.44	hours	
3	Access Roa	Drainage -	Dump Truc	Diesel	4340.00	LF 8 Hours pe	38.58	hours	
3	Access Roa	Drainage -	Loader	Diesel	4340.00	LF 8 Hours pe	38.58	hours	
3	Access Roa	Drainage -	Other Gen	Diesel	4340.00	LF 8 Hours pe	38.58	hours	
3	Access Roa	Drainage -	Pickup Tru	Diesel	4340.00	LF 8 Hours pe	38.58	hours	
3	Access Roa	Drainage -	Tractors/Lo	Diesel	4340.00	LF 8 Hours pe	38.58	hours	
3	Access Roa	Dust Contr	Water Truc	Diesel	180.00	Day 8 Hours pe	1440	hours	
3	Access Roa	Excavatior	Dozer	Diesel	2397.60	Ch 8 Hours pe	31.97	hours	
3	Access Roa	Excavatior	Dump Truc	Diesel	2397.60	Ch 8 Hours pe	31.97	hours	
3	Access Roa	Excavatior	Pickup Tru	Diesel	2397.60	Ch 8 Hours pe	31.97	hours	
3	Access Roa	Excavatior	Roller	Diesel	2397.60	Ch 8 Hours pe	14.75	hours	
3	Access Roa	Excavatior	Dozer	Diesel	2397.60	Ch 8 Hours pe	23.98	hours	
3	Access Roa	Excavatior	Dump Truc	Diesel	2397.60	Ch 8 Hours pe	63.94	hours	
3	Access Roa	Excavatior	Excavator	Diesel	2397.60	Ch 8 Hours pe	19.18	hours	
3	Access Roa	Excavatior	Pickup Tru	Diesel	2397.60	Ch 8 Hours pe	19.18	hours	
3	Access Roa	Excavatior	Roller	Diesel	2397.60	Ch 8 Hours pe	19.18	hours	
3	Access Roa	Excavatior	Scraper	Diesel	2397.60	Ch 8 Hours pe	23.98	hours	
3	Access Roa	Excavatior	Dozer	Diesel	5754.20	Sh 8 Hours pe	9.03	hours	
3	Access Roa	Fencing	Concrete T	Diesel	2160.00	LF 2 Hours pe	24	hours	
3	Access Roa	Fencing	Dump Truc	Diesel	2160.00	LF 8 Hours pe	96	hours	
3	Access Roa	Fencing	Other Gen	Diesel	2160.00	LF 8 Hours pe	96	hours	
3	Access Roa	Fencing	Pickup Tru	Diesel	2160.00	LF 8 Hours pe	96	hours	

3	Access Ro	Fencing	Skid Steer	Diesel	2160.00	LF	8 Hours pe	96	hours
3	Access Ro	Fencing	Tractors/Lo	Diesel	2160.00	LF	8 Hours pe	96	hours
3	Access Ro	Grading	Dozer	Diesel	8189.60	SY	8 Hours pe	8.19	hours
3	Access Ro	Grading	Grader	Diesel	8189.60	SY	8 Hours pe	8.19	hours
3	Access Ro	Grading	Roller	Diesel	8189.60	SY	8 Hours pe	8.19	hours
3	Access Ro	Hydroseed	Hydroseed	Diesel	73780.00	SY	8 Hours pe	7.38	hours
3	Access Ro	Hydroseed	Off-Road T	Diesel	73780.00	SY	8 Hours pe	7.38	hours
3	Access Ro	Markings	Flatbed Tr	Diesel	51840.00	SF	8 Hours pe	118.49	hours
3	Access Ro	Markings	Other Gen	Diesel	51840.00	SF	8 Hours pe	118.49	hours
3	Access Ro	Markings	Pickup Tru	Diesel	51840.00	SF	8 Hours pe	118.49	hours
3	Access Ro	Sidewalks	Concrete T	Diesel	12960.00	SF	8 Hours pe	172.8	hours
3	Access Ro	Sidewalks	Dump Truc	Diesel	12960.00	SF	8 Hours pe	172.8	hours
3	Access Ro	Sidewalks	Pickup Tru	Diesel	12960.00	SF	8 Hours pe	172.8	hours
3	Access Ro	Sidewalks	Tractors/Lo	Diesel	12960.00	SF	8 Hours pe	172.8	hours
3	Access Ro	Sidewalks	Vibratory (	Diesel	12960.00	SF	8 Hours pe	172.8	hours
3	Access Ro	Soil Erosio	Other Gen	Diesel	1.70	Acre	4 Hours pe	6.8	hours
3	Access Ro	Soil Erosio	Pickup Tru	Diesel	1.70	Acre	8 Hours pe	13.6	hours
3	Access Ro	Soil Erosio	Pumps	Diesel	1.70	Acre	4 Hours pe	6.8	hours
3	Access Ro	Soil Erosio	Tractors/Lo	Diesel	1.70	Acre	4 Hours pe	6.8	hours
3	Access Ro	Street Ligh	Dump Truc	Diesel	21.60	Ligh	8 Hours pe	57.6	hours
3	Access Ro	Street Ligh	Loader	Diesel	21.60	Ligh	8 Hours pe	57.6	hours
3	Access Ro	Street Ligh	Other Gen	Diesel	21.60	Ligh	8 Hours pe	57.6	hours
3	Access Ro	Street Ligh	Pickup Tru	Diesel	21.60	Ligh	8 Hours pe	57.6	hours
3	Access Ro	Street Ligh	Skid Steer	Diesel	21.60	Ligh	8 Hours pe	57.6	hours
3	Access Ro	Street Ligh	Tractors/Lo	Diesel	21.60	Ligh	8 Hours pe	57.6	hours
3	Access Ro	Subbase P	Dozer	Diesel	5754.20	SY	8 Hours pe	12.11	hours
3	Access Ro	Subbase P	Dump Truc	Diesel	1918.10	CY	8 Hours pe	85.25	hours
3	Access Ro	Subbase P	Pickup Tru	Diesel	5754.20	SY	8 Hours pe	12.11	hours
3	Access Ro	Subbase P	Roller	Diesel	1918.10	CY	8 Hours pe	11.8	hours
3	Access Ro	Topsoil Pla	Dozer	Diesel	1364.90	CY	8 Hours pe	18.2	hours
3	Access Ro	Topsoil Pla	Dump Truc	Diesel	1364.90	CY	8 Hours pe	18.2	hours
3	Access Ro	Topsoil Pla	Pickup Tru	Diesel	1364.90	CY	8 Hours pe	18.2	hours
3	Access Ro	Tree Plant	Flatbed Tr	Diesel	0.00	Trees	8 Hours pe	0	hours
3	Access Ro	Tree Plant	Other Gen	Diesel	0.00	Trees	8 Hours pe	0	hours
3	Access Ro	Tree Plant	Pickup Tru	Diesel	0.00	Trees	8 Hours pe	0	hours
3	Access Ro	Tree Plant	Tractors/Lo	Diesel	0.00	Trees	8 Hours pe	0	hours
3	Building -	Concrete F	Backhoe	Diesel	100000.00	0.0048	Ho	480	hours
3	Building -	Concrete F	Concrete F	Diesel	100000.00	0.0018	Ho	180	hours
3	Building -	Concrete F	Concrete F	Diesel	100000.00	0.0036	Ho	360	hours
3	Building -	Concrete F	Excavator	Diesel	100000.00	0.0016	Ho	160	hours
3	Building -	Concrete F	Fork Truck	Diesel	100000.00	0.0048	Ho	480	hours
3	Building -	Concrete F	Tool Truck	Diesel	100000.00	0.0012	Ho	120	hours
3	Building -	Concrete F	Tractor Tra	Diesel	100000.00	0.0024	Ho	240	hours
3	Building -	Constructi	Survey Cre	Diesel	100000.00	0.0001	Ho	10	hours
3	Building -	Constructi	Tractor Tra	Diesel	100000.00	0.00004	Ho	4	hours
3	Building -	Exterior W	Fork Truck	Diesel	100000.00	0.0084	Ho	840	hours
3	Building -	Exterior W	Generator	Diesel	100000.00	0.0008	Ho	80	hours
3	Building -	Exterior W	Grout Mix	Diesel	100000.00	0.0042	Ho	420	hours
3	Building -	Exterior W	Grout Wh	Diesel	100000.00	0.0016	Ho	160	hours
3	Building -	Exterior W	Man Lift	Diesel	100000.00	0.0168	Ho	1680	hours
3	Building -	Exterior W	Tool Truck	Diesel	100000.00	0.0042	Ho	420	hours
3	Building -	Exterior W	Tractor Tra	Diesel	100000.00	0.0084	Ho	840	hours
3	Building -	Exterior W	Truck Tow	Diesel	100000.00	0.0008	Ho	80	hours
3	Building -	Interior Bu	Fork Truck	Diesel	100000.00	0.016	Hou	1600	hours
3	Building -	Interior Bu	Man Lift	Diesel	100000.00	0.032	Hou	3200	hours
3	Building -	Interior Bu	Tool Truck	Diesel	100000.00	0.016	Hou	1600	hours
3	Building -	Interior Bu	Tractor Tra	Diesel	100000.00	0.016	Hou	1600	hours
3	Building -	Roofing	High Lift	Diesel	100000.00	0.0016	Ho	160	hours
3	Building -	Roofing	Man Lift	Diesel	100000.00	0.0004	Ho	40	hours
3	Building -	Roofing	Material D	Diesel	100000.00	0.0006	Ho	60	hours
3	Building -	Roofing	Tractor Tra	Diesel	100000.00	0.0004	Ho	40	hours
3	Building -	Roofing	Truck Tow	Diesel	100000.00	0.0012	Ho	120	hours
3	Building -	Security &	High Lift	Diesel	100000.00	0.008	Hou	800	hours
3	Building -	Security &	Tool Truck	Diesel	100000.00	0.008	Hou	800	hours
3	Building -	Structural	90 Ton Cra	Diesel	100000.00	0.0024	Ho	240	hours
3	Building -	Structural	Concrete F	Diesel	100000.00	0.0006	Ho	60	hours
3	Building -	Structural	Concrete T	Diesel	100000.00	0.0006	Ho	60	hours
3	Building -	Structural	Fork Truck	Diesel	100000.00	0.0064	Ho	640	hours
3	Building -	Structural	Tool Truck	Diesel	100000.00	0.0016	Ho	160	hours
3	Building -	Structural	Tractor Tra	Diesel	100000.00	0.0036	Ho	360	hours
3	Building -	Structural	Trowel Ma	Diesel	100000.00	0.0004	Ho	40	hours
3	Building -	Structural	Truck Tow	Diesel	100000.00	0.0072	Ho	720	hours
3	Parking Lo	Asphalt Pla	Asphalt Pa	Diesel	62937.00	SY	8 Hours pe	78.67	hours
3	Parking Lo	Asphalt Pla	Dump Truc	Diesel	62937.00	SY	8 Hours pe	283.34	hours
3	Parking Lo	Asphalt Pla	Other Gen	Diesel	62937.00	SY	16 Hours p	157.34	hours
3	Parking Lo	Asphalt Pla	Pickup Tru	Diesel	62937.00	SY	8 Hours pe	78.67	hours
3	Parking Lo	Asphalt Pla	Roller	Diesel	62937.00	SY	8 Hours pe	78.67	hours
3	Parking Lo	Asphalt Pla	Skid Steer	Diesel	62937.00	SY	8 Hours pe	78.67	hours
3	Parking Lo	Asphalt Pla	Surfacing E	Diesel	62937.00	SY	8 Hours pe	100.7	hours
3	Parking Lo	Clearing an	Chain Saw	Diesel	13.80	Acre	12 Hours p	165.6	hours
3	Parking Lo	Clearing an	Chipper/St	Diesel	13.80	Acre	12 Hours p	165.6	hours
3	Parking Lo	Clearing an	Pickup Tru	Diesel	13.80	Acre	16 Hours p	220.8	hours
3	Parking Lo	Concrete F	Air Compr	Diesel	26223.80	CY	8 Hours pe	209.79	hours
3	Parking Lo	Concrete F	Concrete S	Diesel	26223.80	CY	8 Hours pe	209.79	hours
3	Parking Lo	Concrete F	Concrete T	Diesel	26223.80	CY	8 Hours pe	874.13	hours
3	Parking Lo	Concrete F	Other Gen	Diesel	26223.80	CY	16 Hours p	419.58	hours
3	Parking Lo	Concrete F	Pickup Tru	Diesel	26223.80	CY	24 Hours p	629.37	hours
3	Parking Lo	Concrete F	Rubber Tir	Diesel	26223.80	CY	8 Hours pe	209.79	hours
3	Parking Lo	Concrete F	Slip Form I	Diesel	26223.80	CY	8 Hours pe	209.79	hours
3	Parking Lo	Concrete F	Surfacing E	Diesel	26223.80	CY	8 Hours pe	209.79	hours
3	Parking Lo	Curbing	Concrete T	Diesel	3150.00	LF	8 Hours pe	63	hours
3	Parking Lo	Curbing	Curb/Gutt	Diesel	3150.00	LF	8 Hours pe	63	hours
3	Parking Lo	Curbing	Other Gen	Diesel	3150.00	LF	8 Hours pe	63	hours
3	Parking Lo	Curbing	Pickup Tru	Diesel	3150.00	LF	8 Hours pe	63	hours
3	Parking Lo	Drainage -	Dozer	Diesel	3160.00	LF	8 Hours pe	101.12	hours
3	Parking Lo	Drainage -	Dump Truc	Diesel	3160.00	LF	8 Hours pe	101.12	hours
3	Parking Lo	Drainage -	Excavator	Diesel	3160.00	LF	8 Hours pe	101.12	hours
3	Parking Lo	Drainage -	Loader	Diesel	3160.00	LF	8 Hours pe	101.12	hours
3	Parking Lo	Drainage -	Other Gen	Diesel	3160.00	LF	8 Hours pe	101.12	hours
3	Parking Lo	Drainage -	Pickup Tru	Diesel	3160.00	LF	8 Hours pe	101.12	hours
3	Parking Lo	Drainage -	Roller	Diesel	3160.00	LF	8 Hours pe	101.12	hours
3	Parking Lo	Drainage -	Dump Truc	Diesel	18960.00	LF	8 Hours pe	168.53	hours
3	Parking Lo	Drainage -	Loader	Diesel	18960.00	LF	8 Hours pe	168.53	hours
3	Parking Lo	Drainage -	Other Gen	Diesel	18960.00	LF	8 Hours pe	168.53	hours
3	Parking Lo	Drainage -	Pickup Tru	Diesel	18960.00	LF	8 Hours pe	168.53	hours
3	Parking Lo	Drainage -	Tractors/Lo	Diesel	18960.00	LF	8 Hours pe	168.53	hours
3	Parking Lo	Excavatior	Dozer	Diesel	26223.80	CY	8 Hours pe	349.65	hours
3	Parking Lo	Excavatior	Dump Truc	Diesel	26223.80	CY	8 Hours pe	349.65	hours
3	Parking Lo	Excavatior	Pickup Tru	Diesel	26223.80	CY	8 Hours pe	349.65	hours
3	Parking Lo	Excavatior	Roller	Diesel	26223.80	CY	8 Hours pe	161.38	hours
3	Parking Lo	Excavatior	Dozer	Diesel	26223.80	CY	8 Hours pe	262.24	hours
3	Parking Lo	Excavatior	Dump Truc	Diesel	26223.80	CY	8 Hours pe	699.3	hours
3	Parking Lo	Excavatior	Excavator	Diesel	26223.80	CY	8 Hours pe	209.79	hours
3	Parking Lo	Excavatior	Pickup Tru	Diesel	26223.80	CY	8 Hours pe	209.79	hours
3	Parking Lo	Excavatior	Roller	Diesel	26223.80	CY	8 Hours pe	209.79	hours
3	Parking Lo	Excavatior	Scraper	Diesel	26223.80	CY	8 Hours pe	262.24	hours
3	Parking Lo	Excavatior	Dozer	Diesel	62937.00	SY	8 Hours pe	98.72	hours
3	Parking Lo	Fencing	Concrete T	Diesel	3150.00	LF	2 Hours pe	35	hours
3	Parking Lo	Fencing	Dump Truc	Diesel	3150.00	LF	8 Hours pe	140	hours
3	Parking Lo	Fencing	Other Gen	Diesel	3150.00	LF	8 Hours pe	140	hours
3	Parking Lo	Fencing	Pickup Tru	Diesel	3150.00	LF	8 Hours pe	140	hours
3	Parking Lo	Fencing	Skid Steer	Diesel	3150.00	LF	8 Hours pe	140	hours
3	Parking Lo	Fencing	Tractors/Lo	Diesel	3150.00	LF	8 Hours pe	140	hours
3	Parking Lo	Grading	Dozer	Diesel	66644.40	SY	8 Hours pe	66.64	hours
3	Parking Lo	Grading	Grader	Diesel	66644.40	SY	8 Hours pe	66.64	hours
3	Parking Lo	Grading	Roller	Diesel	66644.40	SY	8 Hours pe	66.64	hours
3	Parking Lo	Hydroseed	Hydroseed	Diesel	600400.00	SY	8 Hours pe	60.04	hours
3	Parking Lo	Hydroseed	Off-Road T	Diesel	600400.00	SY	8 Hours pe	60.04	hours
3	Parking Lo	Markings	Flatbed Tr	Diesel	6660.00	SF	8 Hours pe	15.22	hours
3	Parking Lo	Markings	Other Gen	Diesel	6660.00	SF	8 Hours pe	15.22	hours
3	Parking Lo	Markings	Pickup Tru	Diesel	6660.00	SF	8 Hours pe	15.22	hours
3	Parking Lo	Sidewalks	Concrete T	Diesel	9450.00	SF	8 Hours pe	126	hours
3	Parking Lo	Sidewalks	Dump Truc	Diesel	9450.00	SF	8 Hours pe	126	hours
3	Parking Lo	Sidewalks	Pickup Tru	Diesel	9450.00	SF	8 Hours pe	126	hours
3	Parking Lo	Sidewalks	Tractors/Lo	Diesel	9450.00	SF	8 Hours pe	126	hours
3	Parking Lo	Sidewalks	Vibratory (	Diesel	9450.00	SF	8 Hours pe	126	hours
3	Parking Lo	Soil Erosio	Other Gen	Diesel	13.80	Acre	4 Hours pe	55.2	hours
3	Parking Lo	Soil Erosio	Pickup Tru	Diesel	13.80	Acre	8 Hours pe	110.4	hours
3	Parking Lo	Soil Erosio	Pumps	Diesel	13.80	Acre	4 Hours pe	55.2	hours
3	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	13.80	Acre	4 Hours pe	55.2	hours
3	Parking Lo	Street Ligh	Dump Truc	Diesel	14.20	Ligh	8 Hours pe	37.87	hours
3	Parking Lo	Street Ligh	Loader	Diesel	14.20	Ligh	8 Hours pe	37.87	hours

*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***

3	Parking Lo	Street Ligh	Other Gen	Diesel	14.20 Ligh	8 Hours pe	37.87	hours	
3	Parking Lo	Street Ligh	Pickup Tru	Diesel	14.20 Ligh	8 Hours pe	37.87	hours	
3	Parking Lo	Street Ligh	Skid Steer	Diesel	14.20 Ligh	8 Hours pe	37.87	hours	
3	Parking Lo	Street Ligh	Tractors/Lo	Diesel	14.20 Ligh	8 Hours pe	37.87	hours	
3	Parking Lo	Subbase P	Dozer	Diesel	62937.00 S	8 Hours pe	132.5	hours	
3	Parking Lo	Subbase P	Dump Truc	Diesel	20979.00 C	8 Hours pe	932.4	hours	
3	Parking Lo	Subbase P	Pickup Tru	Diesel	62937.00 S	8 Hours pe	132.5	hours	
3	Parking Lo	Subbase P	Roller	Diesel	20979.00 C	8 Hours pe	129.1	hours	
3	Parking Lo	Topsoil Pla	Dozer	Diesel	11107.40 C	8 Hours pe	148.1	hours	
3	Parking Lo	Topsoil Pla	Dump Truc	Diesel	11107.40 C	8 Hours pe	148.1	hours	
3	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	11107.40 C	8 Hours pe	148.1	hours	
3	Parking Lo	Tree Plant	Flatbed Tr	Diesel	0.00 Trees	8 Hours pe	0	hours	
3	Parking Lo	Tree Plant	Other Gen	Diesel	0.00 Trees	8 Hours pe	0	hours	
3	Parking Lo	Tree Plant	Pickup Tru	Diesel	0.00 Trees	8 Hours pe	0	hours	
3	Parking Lo	Tree Plant	Tractors/Lo	Diesel	0.00 Trees	8 Hours pe	0	hours	
3	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	6826.50 S	8 Hours pe	8.53	hours	
3	Terminal A	Asphalt Pla	Dump Truc	Diesel	6826.50 S	8 Hours pe	30.73	hours	
3	Terminal A	Asphalt Pla	Other Gen	Diesel	6826.50 S	16 Hours p	17.07	hours	
3	Terminal A	Asphalt Pla	Pickup Tru	Diesel	6826.50 S	8 Hours pe	8.53	hours	
3	Terminal A	Asphalt Pla	Roller	Diesel	6826.50 S	8 Hours pe	8.53	hours	
3	Terminal A	Asphalt Pla	Skid Steer	Diesel	6826.50 S	8 Hours pe	8.53	hours	
3	Terminal A	Asphalt Pla	Surfacing E	Diesel	6826.50 S	8 Hours pe	10.92	hours	
3	Terminal A	Clearing an	Chain Saw	Diesel	1.50 Acre	12 Hours p	18	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Terminal A	Clearing an	Chipper/St	Diesel	1.50 Acre	12 Hours p	18	hours	
3	Terminal A	Clearing an	Pickup Tru	Diesel	1.50 Acre	16 Hours p	24	hours	
3	Terminal A	Concrete F	Air Compre	Diesel	2844.40 C	8 Hours pe	22.76	hours	
3	Terminal A	Concrete F	Concrete S	Diesel	2844.40 C	8 Hours pe	22.76	hours	
3	Terminal A	Concrete F	Concrete T	Diesel	2844.40 C	8 Hours pe	94.81	hours	
3	Terminal A	Concrete F	Other Gen	Diesel	2844.40 C	16 Hours p	45.51	hours	
3	Terminal A	Concrete F	Pickup Tru	Diesel	2844.40 C	24 Hours p	68.27	hours	
3	Terminal A	Concrete F	Rubber Tir	Diesel	2844.40 C	8 Hours pe	22.76	hours	
3	Terminal A	Concrete F	Slip Form I	Diesel	2844.40 C	8 Hours pe	22.76	hours	
3	Terminal A	Concrete F	Surfacing E	Diesel	2844.40 C	8 Hours pe	22.76	hours	
3	Terminal A	Drainage -	Dozer	Diesel	385.00 LF	8 Hours pe	12.32	hours	
3	Terminal A	Drainage -	Dump Truc	Diesel	385.00 LF	8 Hours pe	12.32	hours	
3	Terminal A	Drainage -	Excavator	Diesel	385.00 LF	8 Hours pe	12.32	hours	
3	Terminal A	Drainage -	Loader	Diesel	385.00 LF	8 Hours pe	12.32	hours	
3	Terminal A	Drainage -	Other Gen	Diesel	385.00 LF	8 Hours pe	12.32	hours	
3	Terminal A	Drainage -	Pickup Tru	Diesel	385.00 LF	8 Hours pe	12.32	hours	
3	Terminal A	Drainage -	Roller	Diesel	385.00 LF	8 Hours pe	12.32	hours	
3	Terminal A	Drainage -	Dump Truc	Diesel	770.00 LF	8 Hours pe	6.84	hours	
3	Terminal A	Drainage -	Loader	Diesel	770.00 LF	8 Hours pe	6.84	hours	
3	Terminal A	Drainage -	Other Gen	Diesel	770.00 LF	8 Hours pe	6.84	hours	
3	Terminal A	Drainage -	Pickup Tru	Diesel	770.00 LF	8 Hours pe	6.84	hours	
3	Terminal A	Drainage -	Tractors/Lo	Diesel	770.00 LF	8 Hours pe	6.84	hours	
3	Terminal A	Dust Contr	Water Truc	Diesel	180.00 Day	8 Hours pe	1440	hours	
3	Terminal A	Excavatior	Dozer	Diesel	2844.40 C	8 Hours pe	37.93	hours	
3	Terminal A	Excavatior	Dump Truc	Diesel	2844.40 C	8 Hours pe	37.93	hours	
3	Terminal A	Excavatior	Pickup Tru	Diesel	2844.40 C	8 Hours pe	37.93	hours	
3	Terminal A	Excavatior	Roller	Diesel	2844.40 C	8 Hours pe	17.5	hours	
3	Terminal A	Excavatior	Dozer	Diesel	2844.40 C	8 Hours pe	28.44	hours	
3	Terminal A	Excavatior	Dump Truc	Diesel	2844.40 C	8 Hours pe	75.85	hours	
3	Terminal A	Excavatior	Excavator	Diesel	2844.40 C	8 Hours pe	22.76	hours	
3	Terminal A	Excavatior	Pickup Tru	Diesel	2844.40 C	8 Hours pe	22.76	hours	
3	Terminal A	Excavatior	Roller	Diesel	2844.40 C	8 Hours pe	22.76	hours	
3	Terminal A	Excavatior	Scraper	Diesel	2844.40 C	8 Hours pe	28.44	hours	
3	Terminal A	Excavatior	Dozer	Diesel	6826.50 S	8 Hours pe	10.71	hours	
3	Terminal A	Fencing	Concrete T	Diesel	375.00 LF	2 Hours pe	4.17	hours	
3	Terminal A	Fencing	Dump Truc	Diesel	375.00 LF	8 Hours pe	16.67	hours	
3	Terminal A	Fencing	Other Gen	Diesel	375.00 LF	8 Hours pe	16.67	hours	
3	Terminal A	Fencing	Pickup Tru	Diesel	375.00 LF	8 Hours pe	16.67	hours	
3	Terminal A	Fencing	Skid Steer	Diesel	375.00 LF	8 Hours pe	16.67	hours	
3	Terminal A	Fencing	Tractors/Lo	Diesel	375.00 LF	8 Hours pe	16.67	hours	
3	Terminal A	Grading	Dozer	Diesel	7435.90 S	8 Hours pe	7.44	hours	
3	Terminal A	Grading	Grader	Diesel	7435.90 S	8 Hours pe	7.44	hours	
3	Terminal A	Grading	Roller	Diesel	7435.90 S	8 Hours pe	7.44	hours	
3	Terminal A	Hydroseed	Hydroseed	Diesel	66990.00 S	8 Hours pe	6.7	hours	
3	Terminal A	Hydroseed	Off-Road T	Diesel	66990.00 S	8 Hours pe	6.7	hours	
3	Terminal A	Lighting	Dump Truc	Diesel	1078.00 LF	8 Hours pe	7.19	hours	
3	Terminal A	Lighting	Loader	Diesel	1078.00 LF	8 Hours pe	7.19	hours	
3	Terminal A	Lighting	Other Gen	Diesel	1078.00 LF	8 Hours pe	7.19	hours	
3	Terminal A	Lighting	Pickup Tru	Diesel	1078.00 LF	8 Hours pe	7.19	hours	
3	Terminal A	Lighting	Skid Steer	Diesel	1078.00 LF	8 Hours pe	7.19	hours	
3	Terminal A	Lighting	Tractors/Lo	Diesel	1078.00 LF	8 Hours pe	7.19	hours	
3	Terminal A	Markings	Flatbed Tr	Diesel	61500.00 S	8 Hours pe	140.57	hours	
3	Terminal A	Markings	Other Gen	Diesel	61500.00 S	8 Hours pe	140.57	hours	
3	Terminal A	Markings	Pickup Tru	Diesel	61500.00 S	8 Hours pe	140.57	hours	
3	Terminal A	Sealing/Fu	Distributin	Diesel	6826.50 S	8 Hours pe	18.2	hours	
3	Terminal A	Sealing/Fu	Other Gen	Diesel	6826.50 S	8 Hours pe	18.2	hours	
3	Terminal A	Sealing/Fu	Pickup Tru	Diesel	6826.50 S	8 Hours pe	18.2	hours	
3	Terminal A	Soil Erosio	Other Gen	Diesel	1.50 Acre	4 Hours pe	6	hours	
3	Terminal A	Soil Erosio	Pickup Tru	Diesel	1.50 Acre	8 Hours pe	12	hours	
3	Terminal A	Soil Erosio	Pumps	Diesel	1.50 Acre	4 Hours pe	6	hours	
3	Terminal A	Soil Erosio	Tractors/Lo	Diesel	1.50 Acre	4 Hours pe	6	hours	
3	Terminal A	Subbase P	Dozer	Diesel	6826.50 S	8 Hours pe	14.37	hours	
3	Terminal A	Subbase P	Dump Truc	Diesel	2275.50 C	8 Hours pe	101.13	hours	
3	Terminal A	Subbase P	Pickup Tru	Diesel	6826.50 S	8 Hours pe	14.37	hours	
3	Terminal A	Subbase P	Roller	Diesel	2275.50 C	8 Hours pe	14	hours	
3	Terminal A	Topsoil Pla	Dozer	Diesel	1239.30 C	8 Hours pe	16.52	hours	
3	Terminal A	Topsoil Pla	Dump Truc	Diesel	1239.30 C	8 Hours pe	16.52	hours	
3	Terminal A	Topsoil Pla	Pickup Tru	Diesel	1239.30 C	8 Hours pe	16.52	hours	
4	Access Roa	Asphalt Pla	Asphalt Pa	Diesel	3836.20 S	8 Hours pe	4.8	hours	
4	Access Roa	Asphalt Pla	Dump Truc	Diesel	3836.20 S	8 Hours pe	17.27	hours	
4	Access Roa	Asphalt Pla	Other Gen	Diesel	3836.20 S	16 Hours p	9.59	hours	
4	Access Roa	Asphalt Pla	Pickup Tru	Diesel	3836.20 S	8 Hours pe	4.8	hours	
4	Access Roa	Asphalt Pla	Roller	Diesel	3836.20 S	8 Hours pe	4.8	hours	
4	Access Roa	Asphalt Pla	Skid Steer	Diesel	3836.20 S	8 Hours pe	4.8	hours	
4	Access Roa	Asphalt Pla	Surfacing E	Diesel	3836.20 S	8 Hours pe	6.14	hours	
4	Access Roa	Clearing an	Chain Saw	Diesel	1.10 Acre	12 Hours p	13.2	hours	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
4	Access Roa	Clearing an	Chipper/St	Diesel	1.10 Acre	12 Hours p	13.2	hours	
4	Access Roa	Clearing an	Pickup Tru	Diesel	1.10 Acre	16 Hours p	17.6	hours	
4	Access Roa	Concrete F	Air Compre	Diesel	1598.40 C	8 Hours pe	12.79	hours	
4	Access Roa	Concrete F	Concrete S	Diesel	1598.40 C	8 Hours pe	12.79	hours	
4	Access Roa	Concrete F	Concrete T	Diesel	1598.40 C	8 Hours pe	53.28	hours	
4	Access Roa	Concrete F	Other Gen	Diesel	1598.40 C	16 Hours p	25.57	hours	
4	Access Roa	Concrete F	Pickup Tru	Diesel	1598.40 C	24 Hours p	38.36	hours	
4	Access Roa	Concrete F	Rubber Tir	Diesel	1598.40 C	8 Hours pe	12.79	hours	
4	Access Roa	Concrete F	Slip Form I	Diesel	1598.40 C	8 Hours pe	12.79	hours	
4	Access Roa	Concrete F	Surfacing E	Diesel	1598.40 C	8 Hours pe	12.79	hours	
4	Access Roa	Curbing	Concrete T	Diesel	2880.00 LF	8 Hours pe	57.6	hours	
4	Access Roa	Curbing	Curb/Gutte	Diesel	2880.00 LF	8 Hours pe	57.6	hours	
4	Access Roa	Curbing	Other Gen	Diesel	2880.00 LF	8 Hours pe	57.6	hours	
4	Access Roa	Curbing	Pickup Tru	Diesel	2880.00 LF	8 Hours pe	57.6	hours	
4	Access Roa	Drainage -	Dozer	Diesel	1450.00 LF	8 Hours pe	46.4	hours	
4	Access Roa	Drainage -	Dump Truc	Diesel	1450.00 LF	8 Hours pe	46.4	hours	
4	Access Roa	Drainage -	Excavator	Diesel	1450.00 LF	8 Hours pe	46.4	hours	
4	Access Roa	Drainage -	Loader	Diesel	1450.00 LF	8 Hours pe	46.4	hours	
4	Access Roa	Drainage -	Other Gen	Diesel	1450.00 LF	8 Hours pe	46.4	hours	
4	Access Roa	Drainage -	Pickup Tru	Diesel	1450.00 LF	8 Hours pe	46.4	hours	
4	Access Roa	Drainage -	Roller	Diesel	1450.00 LF	8 Hours pe	46.4	hours	
4	Access Roa	Drainage -	Dump Truc	Diesel	2900.00 LF	8 Hours pe	25.78	hours	
4	Access Roa	Drainage -	Loader	Diesel	2900.00 LF	8 Hours pe	25.78	hours	
4	Access Roa	Drainage -	Other Gen	Diesel	2900.00 LF	8 Hours pe	25.78	hours	
4	Access Roa	Drainage -	Pickup Tru	Diesel	2900.00 LF	8 Hours pe	25.78	hours	
4	Access Roa	Drainage -	Tractors/Lo	Diesel	2900.00 LF	8 Hours pe	25.78	hours	
4	Access Roa	Dust Contr	Water Truc	Diesel	120.00 Day	8 Hours pe	960	hours	
4	Access Roa	Excavatior	Dozer	Diesel	1598.40 C	8 Hours pe	21.31	hours	
4	Access Roa	Excavatior	Dump Truc	Diesel	1598.40 C	8 Hours pe	21.31	hours	
4	Access Roa	Excavatior	Pickup Tru	Diesel	1598.40 C	8 Hours pe	21.31	hours	
4	Access Roa	Excavatior	Roller	Diesel	1598.40 C	8 Hours pe	9.84	hours	
4	Access Roa	Excavatior	Dozer	Diesel	1598.40 C	8 Hours pe	15.98	hours	
4	Access Roa	Excavatior	Dump Truc	Diesel	1598.40 C	8 Hours pe	42.62	hours	
4	Access Roa	Excavatior	Excavator	Diesel	1598.40 C	8 Hours pe	12.79	hours	
4	Access Roa	Excavatior	Pickup Tru	Diesel	1598.40 C	8 Hours pe	12.79	hours	
4	Access Roa	Excavatior	Roller	Diesel	1598.40 C	8 Hours pe	12.79	hours	
4	Access Roa	Excavatior	Scraper	Diesel	1598.40 C	8 Hours pe	15.98	hours	
4	Access Roa	Excavatior	Dozer	Diesel	3836.20 S	8 Hours pe	6.02	hours	
4	Access Roa	Fencing	Concrete T	Diesel	1440.00 LF	2 Hours pe	16	hours	
4	Access Roa	Fencing	Dump Truc	Diesel	1440.00 LF	8 Hours pe	64	hours	
4	Access Roa	Fencing	Other Gen	Diesel	1440.00 LF	8 Hours pe	64	hours	
4	Access Roa	Fencing	Pickup Tru	Diesel	1440.00 LF	8 Hours pe	64	hours	
4	Access Roa	Fencing	Skid Steer	Diesel	1440.00 LF	8 Hours pe	64	hours	

4	Access Ro	Fencing	Tractors/Lo	Diesel	1440.00	LF	8 Hours pe	64	hours
4	Access Ro	Grading	Dozer	Diesel	5472.30	SY	8 Hours pe	5.47	hours
4	Access Ro	Grading	Grader	Diesel	5472.30	SY	8 Hours pe	5.47	hours
4	Access Ro	Grading	Roller	Diesel	5472.30	SY	8 Hours pe	5.47	hours
4	Access Ro	Hydroseed	Hydroseed	Diesel	49300.00	S	8 Hours pe	4.93	hours
4	Access Ro	Hydroseed	Off-Road T	Diesel	49300.00	S	8 Hours pe	4.93	hours
4	Access Ro	Markings	Flatbed Tr	Diesel	34560.00	S	8 Hours pe	78.99	hours
4	Access Ro	Markings	Other Gen	Diesel	34560.00	S	8 Hours pe	78.99	hours
4	Access Ro	Markings	Pickup Tru	Diesel	34560.00	S	8 Hours pe	78.99	hours
4	Access Ro	Sidewalks	Concrete T	Diesel	8640.00	SF	8 Hours pe	115.2	hours
4	Access Ro	Sidewalks	Dump Truc	Diesel	8640.00	SF	8 Hours pe	115.2	hours
4	Access Ro	Sidewalks	Pickup Tru	Diesel	8640.00	SF	8 Hours pe	115.2	hours
4	Access Ro	Sidewalks	Tractors/Lo	Diesel	8640.00	SF	8 Hours pe	115.2	hours
4	Access Ro	Sidewalks	Vibratory (	Diesel	8640.00	SF	8 Hours pe	115.2	hours
4	Access Ro	Soil Erosio	Other Gen	Diesel	1.10	Acre	4 Hours pe	4.4	hours
4	Access Ro	Soil Erosio	Pickup Tru	Diesel	1.10	Acre	8 Hours pe	8.8	hours
4	Access Ro	Soil Erosio	Pumps	Diesel	1.10	Acre	4 Hours pe	4.4	hours
4	Access Ro	Soil Erosio	Tractors/Lo	Diesel	1.10	Acre	4 Hours pe	4.4	hours
4	Access Ro	Street Ligh	Dump Truc	Diesel	14.40	Light	8 Hours pe	38.4	hours
4	Access Ro	Street Ligh	Loader	Diesel	14.40	Light	8 Hours pe	38.4	hours
4	Access Ro	Street Ligh	Other Gen	Diesel	14.40	Light	8 Hours pe	38.4	hours
4	Access Ro	Street Ligh	Pickup Tru	Diesel	14.40	Light	8 Hours pe	38.4	hours
4	Access Ro	Street Ligh	Skid Steer	Diesel	14.40	Light	8 Hours pe	38.4	hours
4	Access Ro	Street Ligh	Tractors/Lo	Diesel	14.40	Light	8 Hours pe	38.4	hours
4	Access Ro	Subbase P	Dozer	Diesel	3836.20	SY	8 Hours pe	8.08	hours
4	Access Ro	Subbase P	Dump Truc	Diesel	1278.70	CY	8 Hours pe	56.83	hours
4	Access Ro	Subbase P	Pickup Tru	Diesel	3836.20	SY	8 Hours pe	8.08	hours
4	Access Ro	Subbase P	Roller	Diesel	1278.70	CY	8 Hours pe	7.87	hours
4	Access Ro	Topsoil Pla	Dozer	Diesel	912.10	CY	8 Hours pe	12.16	hours
4	Access Ro	Topsoil Pla	Dump Truc	Diesel	912.10	CY	8 Hours pe	12.16	hours
4	Access Ro	Topsoil Pla	Pickup Tru	Diesel	912.10	CY	8 Hours pe	12.16	hours
4	Access Ro	Tree Plant	Flatbed Tr	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Access Ro	Tree Plant	Other Gen	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Access Ro	Tree Plant	Pickup Tru	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Access Ro	Tree Plant	Tractors/Lo	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Building -	Concrete F	Backhoe	Diesel	100000.00	0.0048	Ho	480	hours
4	Building -	Concrete F	Concrete F	Diesel	100000.00	0.0018	Ho	180	hours
4	Building -	Concrete F	Concrete F	Diesel	100000.00	0.0036	Ho	360	hours
4	Building -	Concrete F	Excavator	Diesel	100000.00	0.0016	Ho	160	hours
4	Building -	Concrete F	Fork Truck	Diesel	100000.00	0.0048	Ho	480	hours
4	Building -	Concrete F	Tool Truck	Diesel	100000.00	0.0012	Ho	120	hours
4	Building -	Concrete F	Tractor Tra	Diesel	100000.00	0.0024	Ho	240	hours
4	Building -	Constructi	Survey Cre	Diesel	100000.00	0.0001	Ho	10	hours
4	Building -	Constructi	Tractor Tra	Diesel	100000.00	0.00004	Ho	4	hours
4	Building -	Exterior W	Fork Truck	Diesel	100000.00	0.0084	Ho	840	hours
4	Building -	Exterior W	Generator	Diesel	100000.00	0.0008	Ho	80	hours
4	Building -	Exterior W	Grout Mix	Diesel	100000.00	0.0042	Ho	420	hours
4	Building -	Exterior W	Grout Whe	Diesel	100000.00	0.0016	Ho	160	hours
4	Building -	Exterior W	Man Lift	Diesel	100000.00	0.0168	Ho	1680	hours
4	Building -	Exterior W	Tool Truck	Diesel	100000.00	0.0042	Ho	420	hours
4	Building -	Exterior W	Tractor Tra	Diesel	100000.00	0.0084	Ho	840	hours
4	Building -	Exterior W	Truck Tow	Diesel	100000.00	0.0008	Ho	80	hours
4	Building -	Interior Bu	Fork Truck	Diesel	100000.00	0.016	Hou	1600	hours
4	Building -	Interior Bu	Man Lift	Diesel	100000.00	0.032	Hou	3200	hours
4	Building -	Interior Bu	Tool Truck	Diesel	100000.00	0.016	Hou	1600	hours
4	Building -	Interior Bu	Tractor Tra	Diesel	100000.00	0.016	Hou	1600	hours
4	Building -	Roofing	High Lift	Diesel	100000.00	0.0016	Ho	160	hours
4	Building -	Roofing	Man Lift	Diesel	100000.00	0.0004	Ho	40	hours
4	Building -	Roofing	Material D	Diesel	100000.00	0.0006	Ho	60	hours
4	Building -	Roofing	Tractor Tra	Diesel	100000.00	0.0004	Ho	40	hours
4	Building -	Roofing	Truck Tow	Diesel	100000.00	0.0012	Ho	120	hours
4	Building -	Security &	High Lift	Diesel	100000.00	0.008	Hou	800	hours
4	Building -	Security &	Tool Truck	Diesel	100000.00	0.008	Hou	800	hours
4	Building -	Structural	90 Ton Cra	Diesel	100000.00	0.0024	Ho	240	hours
4	Building -	Structural	Concrete F	Diesel	100000.00	0.0006	Ho	60	hours
4	Building -	Structural	Concrete T	Diesel	100000.00	0.0006	Ho	60	hours
4	Building -	Structural	Fork Truck	Diesel	100000.00	0.0064	Ho	640	hours
4	Building -	Structural	Tool Truck	Diesel	100000.00	0.0016	Ho	160	hours
4	Building -	Structural	Tractor Tra	Diesel	100000.00	0.0036	Ho	360	hours
4	Building -	Structural	Trowel Ma	Diesel	100000.00	0.0004	Ho	40	hours
4	Building -	Structural	Truck Tow	Diesel	100000.00	0.0072	Ho	720	hours
4	Parking Lo	Asphalt Pla	Asphalt Pa	Diesel	41958.00	S	8 Hours pe	52.45	hours
4	Parking Lo	Asphalt Pla	Dump Truc	Diesel	41958.00	S	8 Hours pe	188.89	hours
4	Parking Lo	Asphalt Pla	Other Gen	Diesel	41958.00	S	16 Hours p	104.9	hours
4	Parking Lo	Asphalt Pla	Pickup Tru	Diesel	41958.00	S	8 Hours pe	52.45	hours
4	Parking Lo	Asphalt Pla	Roller	Diesel	41958.00	S	8 Hours pe	52.45	hours
4	Parking Lo	Asphalt Pla	Skid Steer	Diesel	41958.00	S	8 Hours pe	52.45	hours
4	Parking Lo	Asphalt Pla	Surfacing E	Diesel	41958.00	S	8 Hours pe	67.13	hours
4	Parking Lo	Clearing an	Chain Saw	Diesel	9.40	Acre	12 Hours p	112.8	hours
4	Parking Lo	Clearing an	Chipper/St	Diesel	9.40	Acre	12 Hours p	112.8	hours
4	Parking Lo	Clearing an	Pickup Tru	Diesel	9.40	Acre	16 Hours p	150.4	hours
4	Parking Lo	Concrete F	Air Compre	Diesel	17482.50	C	8 Hours pe	139.86	hours
4	Parking Lo	Concrete F	Concrete S	Diesel	17482.50	C	8 Hours pe	139.86	hours
4	Parking Lo	Concrete F	Concrete T	Diesel	17482.50	C	8 Hours pe	582.75	hours
4	Parking Lo	Concrete F	Other Gen	Diesel	17482.50	C	16 Hours p	279.72	hours
4	Parking Lo	Concrete F	Pickup Tru	Diesel	17482.50	C	24 Hours p	419.58	hours
4	Parking Lo	Concrete F	Rubber Tir	Diesel	17482.50	C	8 Hours pe	139.86	hours
4	Parking Lo	Concrete F	Slip Form I	Diesel	17482.50	C	8 Hours pe	139.86	hours
4	Parking Lo	Concrete F	Surfacing E	Diesel	17482.50	C	8 Hours pe	139.86	hours
4	Parking Lo	Curbing	Concrete T	Diesel	3150.00	LF	8 Hours pe	63	hours
4	Parking Lo	Curbing	Curb/Gutt	Diesel	3150.00	LF	8 Hours pe	63	hours
4	Parking Lo	Curbing	Other Gen	Diesel	3150.00	LF	8 Hours pe	63	hours
4	Parking Lo	Curbing	Pickup Tru	Diesel	3150.00	LF	8 Hours pe	63	hours
4	Parking Lo	Drainage -	Dozer	Diesel	3160.00	LF	8 Hours pe	101.12	hours
4	Parking Lo	Drainage -	Dump Truc	Diesel	3160.00	LF	8 Hours pe	101.12	hours
4	Parking Lo	Drainage -	Excavator	Diesel	3160.00	LF	8 Hours pe	101.12	hours
4	Parking Lo	Drainage -	Loader	Diesel	3160.00	LF	8 Hours pe	101.12	hours
4	Parking Lo	Drainage -	Other Gen	Diesel	3160.00	LF	8 Hours pe	101.12	hours
4	Parking Lo	Drainage -	Pickup Tru	Diesel	3160.00	LF	8 Hours pe	101.12	hours
4	Parking Lo	Drainage -	Roller	Diesel	3160.00	LF	8 Hours pe	101.12	hours
4	Parking Lo	Drainage -	Dump Truc	Diesel	18960.00	L	8 Hours pe	168.53	hours
4	Parking Lo	Drainage -	Loader	Diesel	18960.00	L	8 Hours pe	168.53	hours
4	Parking Lo	Drainage -	Other Gen	Diesel	18960.00	L	8 Hours pe	168.53	hours
4	Parking Lo	Drainage -	Pickup Tru	Diesel	18960.00	L	8 Hours pe	168.53	hours
4	Parking Lo	Drainage -	Tractors/Lo	Diesel	18960.00	L	8 Hours pe	168.53	hours
4	Parking Lo	Excavatior	Dozer	Diesel	17482.50	C	8 Hours pe	233.1	hours
4	Parking Lo	Excavatior	Dump Truc	Diesel	17482.50	C	8 Hours pe	233.1	hours
4	Parking Lo	Excavatior	Pickup Tru	Diesel	17482.50	C	8 Hours pe	233.1	hours
4	Parking Lo	Excavatior	Roller	Diesel	17482.50	C	8 Hours pe	107.58	hours
4	Parking Lo	Excavatior	Dozer	Diesel	17482.50	C	8 Hours pe	174.83	hours
4	Parking Lo	Excavatior	Dump Truc	Diesel	17482.50	C	8 Hours pe	466.2	hours
4	Parking Lo	Excavatior	Excavator	Diesel	17482.50	C	8 Hours pe	139.86	hours
4	Parking Lo	Excavatior	Pickup Tru	Diesel	17482.50	C	8 Hours pe	139.86	hours
4	Parking Lo	Excavatior	Roller	Diesel	17482.50	C	8 Hours pe	139.86	hours
4	Parking Lo	Excavatior	Scraper	Diesel	17482.50	C	8 Hours pe	174.83	hours
4	Parking Lo	Excavatior	Dozer	Diesel	41958.00	S	8 Hours pe	65.82	hours
4	Parking Lo	Fencing	Concrete T	Diesel	3150.00	LF	2 Hours pe	35	hours
4	Parking Lo	Fencing	Dump Truc	Diesel	3150.00	LF	8 Hours pe	140	hours
4	Parking Lo	Fencing	Other Gen	Diesel	3150.00	LF	8 Hours pe	140	hours
4	Parking Lo	Fencing	Pickup Tru	Diesel	3150.00	LF	8 Hours pe	140	hours
4	Parking Lo	Fencing	Skid Steer	Diesel	3150.00	LF	8 Hours pe	140	hours
4	Parking Lo	Fencing	Tractors/Lo	Diesel	3150.00	LF	8 Hours pe	140	hours
4	Parking Lo	Grading	Dozer	Diesel	45598.80	S	8 Hours pe	45.6	hours
4	Parking Lo	Grading	Grader	Diesel	45598.80	S	8 Hours pe	45.6	hours
4	Parking Lo	Grading	Roller	Diesel	45598.80	S	8 Hours pe	45.6	hours
4	Parking Lo	Hydroseed	Hydroseed	Diesel	410800.00	8 Hours pe		41.08	hours
4	Parking Lo	Hydroseed	Off-Road T	Diesel	410800.00	8 Hours pe		41.08	hours
4	Parking Lo	Markings	Flatbed Tr	Diesel	6540.00	SF	8 Hours pe	14.95	hours
4	Parking Lo	Markings	Other Gen	Diesel	6540.00	SF	8 Hours pe	14.95	hours
4	Parking Lo	Markings	Pickup Tru	Diesel	6540.00	SF	8 Hours pe	14.95	hours
4	Parking Lo	Sidewalks	Concrete T	Diesel	9450.00	SF	8 Hours pe	126	hours
4	Parking Lo	Sidewalks	Dump Truc	Diesel	9450.00	SF	8 Hours pe	126	hours
4	Parking Lo	Sidewalks	Pickup Tru	Diesel	9450.00	SF	8 Hours pe	126	hours
4	Parking Lo	Sidewalks	Tractors/Lo	Diesel	9450.00	SF	8 Hours pe	126	hours
4	Parking Lo	Sidewalks	Vibratory (	Diesel	9450.00	SF	8 Hours pe	126	hours
4	Parking Lo	Soil Erosio	Other Gen	Diesel	9.40	Acre	4 Hours pe	37.6	hours
4	Parking Lo	Soil Erosio	Pickup Tru	Diesel	9.40	Acre	8 Hours pe	75.2	hours
4	Parking Lo	Soil Erosio	Pumps	Diesel	9.40	Acre	4 Hours pe	37.6	hours
4	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	9.40	Acre	4 Hours pe	37.6	hours
4	Parking Lo	Street Ligh	Dump Truc	Diesel	9.50	Lights	8 Hours pe	25.33	hours
4	Parking Lo	Street Ligh	Loader	Diesel	9.50	Lights	8 Hours pe	25.33	hours
4	Parking Lo	Street Ligh	Other Gen	Diesel	9.50	Lights	8 Hours pe	25.33	hours

*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***

4	Parking Lo	Street Ligh	Pickup Tru	Diesel	9.50	Lights	8 Hours pe	25.33	hours
4	Parking Lo	Street Ligh	Skid Steer	Diesel	9.50	Lights	8 Hours pe	25.33	hours
4	Parking Lo	Street Ligh	Tractors/Lo	Diesel	9.50	Lights	8 Hours pe	25.33	hours
4	Parking Lo	Subbase P	Dozer	Diesel	41958.00	S	8 Hours pe	88.33	hours
4	Parking Lo	Subbase P	Dump Truc	Diesel	13986.00	C	8 Hours pe	621.6	hours
4	Parking Lo	Subbase P	Pickup Tru	Diesel	41958.00	S	8 Hours pe	88.33	hours
4	Parking Lo	Subbase P	Roller	Diesel	13986.00	C	8 Hours pe	86.07	hours
4	Parking Lo	Topsoil Pla	Dozer	Diesel	7599.80	Cl	8 Hours pe	101.33	hours
4	Parking Lo	Topsoil Pla	Dump Truc	Diesel	7599.80	Cl	8 Hours pe	101.33	hours
4	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	7599.80	Cl	8 Hours pe	101.33	hours
4	Parking Lo	Tree Plant	Flatbed Tri	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Parking Lo	Tree Plant	Other Gen	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Parking Lo	Tree Plant	Pickup Tru	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Parking Lo	Tree Plant	Tractors/Lo	Diesel	0.00	Trees	8 Hours pe	0	hours
4	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	4537.10	Sq	8 Hours pe	5.67	hours
4	Terminal A	Asphalt Pla	Dump Truc	Diesel	4537.10	Sq	8 Hours pe	20.43	hours
4	Terminal A	Asphalt Pla	Other Gen	Diesel	4537.10	Sq	16 Hours p	11.34	hours
4	Terminal A	Asphalt Pla	Pickup Tru	Diesel	4537.10	Sq	8 Hours pe	5.67	hours
4	Terminal A	Asphalt Pla	Roller	Diesel	4537.10	Sq	8 Hours pe	5.67	hours
4	Terminal A	Asphalt Pla	Skid Steer	Diesel	4537.10	Sq	8 Hours pe	5.67	hours
4	Terminal A	Asphalt Pla	Surfacing E	Diesel	4537.10	Sq	8 Hours pe	7.26	hours
4	Terminal A	Clearing an	Chain Saw	Diesel	1.10	Acre	12 Hours p	13.2	hours
4	Terminal A	Clearing an	Chipper/St	Diesel	1.10	Acre	12 Hours p	13.2	hours
4	Terminal A	Clearing an	Pickup Tru	Diesel	1.10	Acre	16 Hours p	17.6	hours
4	Terminal A	Concrete F	Air Compre	Diesel	1890.50	Cl	8 Hours pe	15.12	hours
4	Terminal A	Concrete F	Concrete S	Diesel	1890.50	Cl	8 Hours pe	15.12	hours
4	Terminal A	Concrete F	Concrete T	Diesel	1890.50	Cl	8 Hours pe	63.02	hours
4	Terminal A	Concrete F	Other Gen	Diesel	1890.50	Cl	16 Hours p	30.25	hours
4	Terminal A	Concrete F	Pickup Tru	Diesel	1890.50	Cl	24 Hours p	45.37	hours
4	Terminal A	Concrete F	Rubber Tir	Diesel	1890.50	Cl	8 Hours pe	15.12	hours
4	Terminal A	Concrete F	Slip Form I	Diesel	1890.50	Cl	8 Hours pe	15.12	hours
4	Terminal A	Concrete F	Surfacing E	Diesel	1890.50	Cl	8 Hours pe	15.12	hours
4	Terminal A	Drainage -	Dozer	Diesel	385.00	LF	8 Hours pe	12.32	hours
4	Terminal A	Drainage -	Dump Truc	Diesel	385.00	LF	8 Hours pe	12.32	hours
4	Terminal A	Drainage -	Excavator	Diesel	385.00	LF	8 Hours pe	12.32	hours
4	Terminal A	Drainage -	Loader	Diesel	385.00	LF	8 Hours pe	12.32	hours
4	Terminal A	Drainage -	Other Gen	Diesel	385.00	LF	8 Hours pe	12.32	hours
4	Terminal A	Drainage -	Pickup Tru	Diesel	385.00	LF	8 Hours pe	12.32	hours
4	Terminal A	Drainage -	Roller	Diesel	385.00	LF	8 Hours pe	12.32	hours
4	Terminal A	Drainage -	Dump Truc	Diesel	770.00	LF	8 Hours pe	6.84	hours
4	Terminal A	Drainage -	Loader	Diesel	770.00	LF	8 Hours pe	6.84	hours
4	Terminal A	Drainage -	Other Gen	Diesel	770.00	LF	8 Hours pe	6.84	hours
4	Terminal A	Drainage -	Pickup Tru	Diesel	770.00	LF	8 Hours pe	6.84	hours
4	Terminal A	Drainage -	Tractors/Lo	Diesel	770.00	LF	8 Hours pe	6.84	hours
4	Terminal A	Dust Contr	Water Tru	Diesel	120.00	Day	8 Hours pe	960	hours
4	Terminal A	Excavatior	Dozer	Diesel	1890.50	Cl	8 Hours pe	25.21	hours
4	Terminal A	Excavatior	Dump Truc	Diesel	1890.50	Cl	8 Hours pe	25.21	hours
4	Terminal A	Excavatior	Pickup Tru	Diesel	1890.50	Cl	8 Hours pe	25.21	hours
4	Terminal A	Excavatior	Roller	Diesel	1890.50	Cl	8 Hours pe	11.63	hours
4	Terminal A	Excavatior	Dozer	Diesel	1890.50	Cl	8 Hours pe	18.91	hours
4	Terminal A	Excavatior	Dump Truc	Diesel	1890.50	Cl	8 Hours pe	50.41	hours
4	Terminal A	Excavatior	Excavator	Diesel	1890.50	Cl	8 Hours pe	15.12	hours
4	Terminal A	Excavatior	Pickup Tru	Diesel	1890.50	Cl	8 Hours pe	15.12	hours
4	Terminal A	Excavatior	Roller	Diesel	1890.50	Cl	8 Hours pe	15.12	hours
4	Terminal A	Excavatior	Scraper	Diesel	1890.50	Cl	8 Hours pe	18.91	hours
4	Terminal A	Excavatior	Dozer	Diesel	4537.10	Sq	8 Hours pe	7.12	hours
4	Terminal A	Fencing	Concrete T	Diesel	375.00	LF	2 Hours pe	4.17	hours
4	Terminal A	Fencing	Dump Truc	Diesel	375.00	LF	8 Hours pe	16.67	hours
4	Terminal A	Fencing	Other Gen	Diesel	375.00	LF	8 Hours pe	16.67	hours
4	Terminal A	Fencing	Pickup Tru	Diesel	375.00	LF	8 Hours pe	16.67	hours
4	Terminal A	Fencing	Skid Steer	Diesel	375.00	LF	8 Hours pe	16.67	hours
4	Terminal A	Fencing	Tractors/Lo	Diesel	375.00	LF	8 Hours pe	16.67	hours
4	Terminal A	Grading	Dozer	Diesel	5085.50	Sq	8 Hours pe	5.09	hours
4	Terminal A	Grading	Grader	Diesel	5085.50	Sq	8 Hours pe	5.09	hours
4	Terminal A	Grading	Roller	Diesel	5085.50	Sq	8 Hours pe	5.09	hours
4	Terminal A	Hydroseed	Hydroseed	Diesel	45815.00	S	8 Hours pe	4.58	hours
4	Terminal A	Hydroseed	Off-Road T	Diesel	45815.00	S	8 Hours pe	4.58	hours
4	Terminal A	Lighting	Dump Truc	Diesel	968.00	LF	8 Hours pe	6.45	hours
4	Terminal A	Lighting	Loader	Diesel	968.00	LF	8 Hours pe	6.45	hours
4	Terminal A	Lighting	Other Gen	Diesel	968.00	LF	8 Hours pe	6.45	hours
4	Terminal A	Lighting	Pickup Tru	Diesel	968.00	LF	8 Hours pe	6.45	hours
4	Terminal A	Lighting	Skid Steer	Diesel	968.00	LF	8 Hours pe	6.45	hours
4	Terminal A	Lighting	Tractors/Lo	Diesel	968.00	LF	8 Hours pe	6.45	hours
4	Terminal A	Markings	Flatbed Tri	Diesel	40875.00	S	8 Hours pe	93.43	hours
4	Terminal A	Markings	Other Gen	Diesel	40875.00	S	8 Hours pe	93.43	hours
4	Terminal A	Markings	Pickup Tru	Diesel	40875.00	S	8 Hours pe	93.43	hours
4	Terminal A	Sealing/Fu	Distributin	Diesel	4537.10	Sq	8 Hours pe	12.1	hours
4	Terminal A	Sealing/Fu	Other Gen	Diesel	4537.10	Sq	8 Hours pe	12.1	hours
4	Terminal A	Sealing/Fu	Pickup Tru	Diesel	4537.10	Sq	8 Hours pe	12.1	hours
4	Terminal A	Soil Erosio	Other Gen	Diesel	1.10	Acre	4 Hours pe	4.4	hours
4	Terminal A	Soil Erosio	Pickup Tru	Diesel	1.10	Acre	8 Hours pe	8.8	hours
4	Terminal A	Soil Erosio	Pumps	Diesel	1.10	Acre	4 Hours pe	4.4	hours
4	Terminal A	Soil Erosio	Tractors/Lo	Diesel	1.10	Acre	4 Hours pe	4.4	hours
4	Terminal A	Subbase P	Dozer	Diesel	4537.10	Sq	8 Hours pe	9.55	hours
4	Terminal A	Subbase P	Dump Truc	Diesel	1512.40	Cl	8 Hours pe	67.22	hours
4	Terminal A	Subbase P	Pickup Tru	Diesel	4537.10	Sq	8 Hours pe	9.55	hours
4	Terminal A	Subbase P	Roller	Diesel	1512.40	Cl	8 Hours pe	9.31	hours
4	Terminal A	Topsoil Pla	Dozer	Diesel	847.60	CY	8 Hours pe	11.3	hours
4	Terminal A	Topsoil Pla	Dump Truc	Diesel	847.60	CY	8 Hours pe	11.3	hours
4	Terminal A	Topsoil Pla	Pickup Tru	Diesel	847.60	CY	8 Hours pe	11.3	hours
5	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	11796.50	S	8 Hours pe	14.75	hours
5	Taxiways	Asphalt Pla	Dump Truc	Diesel	11796.50	S	8 Hours pe	53.11	hours
5	Taxiways	Asphalt Pla	Other Gen	Diesel	11796.50	S	16 Hours p	29.49	hours
5	Taxiways	Asphalt Pla	Pickup Tru	Diesel	11796.50	S	8 Hours pe	14.75	hours
5	Taxiways	Asphalt Pla	Roller	Diesel	11796.50	S	8 Hours pe	14.75	hours
5	Taxiways	Asphalt Pla	Skid Steer	Diesel	11796.50	S	8 Hours pe	14.75	hours
5	Taxiways	Asphalt Pla	Surfacing E	Diesel	11796.50	S	8 Hours pe	18.87	hours
5	Taxiways	Clearing an	Chain Saw	Diesel	2.80	Acre	12 Hours p	33.6	hours
5	Taxiways	Clearing an	Chipper/St	Diesel	2.80	Acre	12 Hours p	33.6	hours
5	Taxiways	Clearing an	Pickup Tru	Diesel	2.80	Acre	16 Hours p	44.8	hours
5	Taxiways	Concrete F	Air Compre	Diesel	4915.20	Cl	8 Hours pe	39.32	hours
5	Taxiways	Concrete F	Concrete S	Diesel	4915.20	Cl	8 Hours pe	39.32	hours
5	Taxiways	Concrete F	Concrete T	Diesel	4915.20	Cl	8 Hours pe	163.84	hours
5	Taxiways	Concrete F	Other Gen	Diesel	4915.20	Cl	16 Hours p	78.64	hours
5	Taxiways	Concrete F	Pickup Tru	Diesel	4915.20	Cl	24 Hours p	117.96	hours
5	Taxiways	Concrete F	Rubber Tir	Diesel	4915.20	Cl	8 Hours pe	39.32	hours
5	Taxiways	Concrete F	Slip Form I	Diesel	4915.20	Cl	8 Hours pe	39.32	hours
5	Taxiways	Concrete F	Surfacing E	Diesel	4915.20	Cl	8 Hours pe	39.32	hours
5	Taxiways	Drainage -	Dozer	Diesel	1427.00	LF	8 Hours pe	45.66	hours
5	Taxiways	Drainage -	Dump Truc	Diesel	1427.00	LF	8 Hours pe	45.66	hours
5	Taxiways	Drainage -	Excavator	Diesel	1427.00	LF	8 Hours pe	45.66	hours
5	Taxiways	Drainage -	Loader	Diesel	1427.00	LF	8 Hours pe	45.66	hours
5	Taxiways	Drainage -	Other Gen	Diesel	1427.00	LF	8 Hours pe	45.66	hours
5	Taxiways	Drainage -	Pickup Tru	Diesel	1427.00	LF	8 Hours pe	45.66	hours
5	Taxiways	Drainage -	Roller	Diesel	1427.00	LF	8 Hours pe	45.66	hours
5	Taxiways	Drainage -	Dump Truc	Diesel	2854.00	LF	8 Hours pe	25.37	hours
5	Taxiways	Drainage -	Loader	Diesel	2854.00	LF	8 Hours pe	25.37	hours
5	Taxiways	Drainage -	Other Gen	Diesel	2854.00	LF	8 Hours pe	25.37	hours
5	Taxiways	Drainage -	Pickup Tru	Diesel	2854.00	LF	8 Hours pe	25.37	hours
5	Taxiways	Drainage -	Tractors/Lo	Diesel	2854.00	LF	8 Hours pe	25.37	hours
5	Taxiways	Dust Contr	Water Tru	Diesel	150.00	Day	8 Hours pe	1200	hours
5	Taxiways	Excavatior	Dozer	Diesel	4915.20	Cl	8 Hours pe	65.54	hours
5	Taxiways	Excavatior	Dump Truc	Diesel	4915.20	Cl	8 Hours pe	65.54	hours
5	Taxiways	Excavatior	Pickup Tru	Diesel	4915.20	Cl	8 Hours pe	65.54	hours
5	Taxiways	Excavatior	Roller	Diesel	4915.20	Cl	8 Hours pe	30.25	hours
5	Taxiways	Excavatior	Dozer	Diesel	4915.20	Cl	8 Hours pe	49.15	hours
5	Taxiways	Excavatior	Dump Truc	Diesel	4915.20	Cl	8 Hours pe	131.07	hours
5	Taxiways	Excavatior	Excavator	Diesel	4915.20	Cl	8 Hours pe	39.32	hours
5	Taxiways	Excavatior	Pickup Tru	Diesel	4915.20	Cl	8 Hours pe	39.32	hours
5	Taxiways	Excavatior	Roller	Diesel	4915.20	Cl	8 Hours pe	39.32	hours
5	Taxiways	Excavatior	Scraper	Diesel	4915.20	Cl	8 Hours pe	49.15	hours
5	Taxiways	Excavatior	Dozer	Diesel	11796.50	S	8 Hours pe	18.5	hours
5	Taxiways	Fencing	Concrete T	Diesel	1417.00	LF	2 Hours pe	15.74	hours
5	Taxiways	Fencing	Dump Truc	Diesel	1417.00	LF	8 Hours pe	62.98	hours
5	Taxiways	Fencing	Other Gen	Diesel	1417.00	LF	8 Hours pe	62.98	hours
5	Taxiways	Fencing	Pickup Tru	Diesel	1417.00	LF	8 Hours pe	62.98	hours
5	Taxiways	Fencing	Skid Steer	Diesel	1417.00	LF	8 Hours pe	62.98	hours
5	Taxiways	Fencing	Tractors/Lo	Diesel	1417.00	LF	8 Hours pe	62.98	hours
5	Taxiways	Grading	Dozer	Diesel	13463.70	S	8 Hours pe	13.46	hours
5	Taxiways	Grading	Grader	Diesel	13463.70	S	8 Hours pe	13.46	hours
5	Taxiways	Grading	Roller	Diesel	13463.70	S	8 Hours pe	13.46	hours
5	Taxiways	Hydroseed	Hydroseed	Diesel	121295.00	8 Hours pe		12.13	hours

*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***

*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***

5	Taxiways	Hydroseed	Off-Road T	Diesel	121295.00	8 Hours pe	12.13	hours
5	Taxiways	Lighting	Dump Tru	Diesel	2984.00 LF	8 Hours pe	19.89	hours
5	Taxiways	Lighting	Loader	Diesel	2984.00 LF	8 Hours pe	19.89	hours
5	Taxiways	Lighting	Other Gen	Diesel	2984.00 LF	8 Hours pe	19.89	hours
5	Taxiways	Lighting	Pickup Tru	Diesel	2984.00 LF	8 Hours pe	19.89	hours
5	Taxiways	Lighting	Skid Steer	Diesel	2984.00 LF	8 Hours pe	19.89	hours
5	Taxiways	Lighting	Tractors/Lo	Diesel	2984.00 LF	8 Hours pe	19.89	hours
5	Taxiways	Markings	Flatbed Tr	Diesel	106275.00	8 Hours pe	242.91	hours
5	Taxiways	Markings	Other Gen	Diesel	106275.00	8 Hours pe	242.91	hours
5	Taxiways	Markings	Pickup Tru	Diesel	106275.00	8 Hours pe	242.91	hours
5	Taxiways	Soil Erosio	Other Gen	Diesel	2.80 Acre	4 Hours pe	11.2	hours
5	Taxiways	Soil Erosio	Pickup Tru	Diesel	2.80 Acre	8 Hours pe	22.4	hours
5	Taxiways	Soil Erosio	Pumps	Diesel	2.80 Acre	4 Hours pe	11.2	hours
5	Taxiways	Soil Erosio	Tractors/Lo	Diesel	2.80 Acre	4 Hours pe	11.2	hours
5	Taxiways	Subbase P	Dozer	Diesel	11796.50 S	8 Hours pe	24.83	hours
5	Taxiways	Subbase P	Dump Tru	Diesel	3932.20 Cl	8 Hours pe	174.76	hours
5	Taxiways	Subbase P	Pickup Tru	Diesel	11796.50 S	8 Hours pe	24.83	hours
5	Taxiways	Subbase P	Roller	Diesel	3932.20 Cl	8 Hours pe	24.2	hours
5	Taxiways	Topsoil Pl	Dozer	Diesel	2244.00 Cl	8 Hours pe	29.92	hours
5	Taxiways	Topsoil Pl	Dump Tru	Diesel	2244.00 Cl	8 Hours pe	29.92	hours
5	Taxiways	Topsoil Pl	Pickup Tru	Diesel	2244.00 Cl	8 Hours pe	29.92	hours

Activity: On-Road (Estimated based on engineering experience)

Scenario ID	Project	Equipmen	On-road A	Fuel	Roadway T	Round Trip	Number of	Number of	Project Le	Project Wi	Project Ar	Building H	Open Spac	Number of	Activity Siz	Activity Ra	Default VM	User VMT
1	Building -	Cement M	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--		23125
1	Building -	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--		12333
1	Building -	Passenger	Employee	Gasoline	Urban Unr	30	133.1	129	--	--	--	--	--	--	--	--		515097
1	Building -	Tractor Tr	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	0.0024		2400
1	Taxiways	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	1733	75	--	--	--	--	--	--		1886
1	Taxiways	Cement M	Material D	Diesel	Urban Unr	40	--	129	1733	75	--	--	--	--	--	--		30057
1	Taxiways	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	1733	75	--	--	--	--	--	--		2672
1	Taxiways	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	1733	75	--	--	--	--	--	--		16030
1	Taxiways	Passenger	Employee	Gasoline	Urban Unr	30	73	129	--	--	--	--	--	--	--	--		282510
1	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		892
1	Terminal A	Cement M	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		14222
1	Terminal A	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		1264
1	Terminal A	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		7585
1	Terminal A	Passenger	Employee	Gasoline	Urban Unr	30	76	129	--	--	--	--	--	--	--	--		294120
2	Building -	Cement M	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--		23125
2	Building -	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--		12333
2	Building -	Passenger	Employee	Gasoline	Urban Unr	30	133.1	129	--	--	--	--	--	--	--	--		515097
2	Building -	Tractor Tr	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	0.0024		2400
2	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		892
2	Terminal A	Cement M	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		14222
2	Terminal A	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		1264
2	Terminal A	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		7585
2	Terminal A	Passenger	Employee	Gasoline	Urban Unr	30	76	129	--	--	--	--	--	--	--	--		294120
3	Access Ro	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	2160	24	--	--	--	--	--	--		752
3	Access Ro	Cement M	Material D	Diesel	Urban Unr	40	--	129	2160	24	--	--	--	--	--	--		11988
3	Access Ro	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	2160	24	--	--	--	--	--	--		1066
3	Access Ro	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	2160	24	--	--	--	--	--	--		6394
3	Access Ro	Passenger	Employee	Gasoline	Urban Unr	30	86	129	--	--	--	--	--	--	--	--		332820
3	Building -	Cement M	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--		23125
3	Building -	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	--		12333
3	Building -	Passenger	Employee	Gasoline	Urban Unr	30	133.1	129	--	--	--	--	--	--	--	--		515097
3	Building -	Tractor Tr	Material D	Diesel	Urban Unr	40	--	129	--	--	100000	--	--	--	--	0.0024		2400
3	Parking Lo	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	3150	180	--	--	--	--	--	--		8227
3	Parking Lo	Cement M	Material D	Diesel	Urban Unr	40	--	129	3150	180	--	--	--	--	--	--		131119
3	Parking Lo	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	3150	180	--	--	--	--	--	--		11655
3	Parking Lo	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	3150	180	--	--	--	--	--	--		69930
3	Parking Lo	Passenger	Employee	Gasoline	Urban Unr	30	85	129	--	--	--	--	--	--	--	--		328950
3	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		892
3	Terminal A	Cement M	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		14222
3	Terminal A	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		1264
3	Terminal A	Dump Tru	Material D	Diesel	Urban Unr	40	--	129	375	164	--	--	--	--	--	--		7585
3	Terminal A	Passenger	Employee	Gasoline	Urban Unr	30	76	129	--	--	--	--	--	--	--	--		294120
4	Access Ro	Asphalt 18	Material D	Diesel	Urban Unr	40	--	86	1440	24	--	--	--	--	--	--		501
4	Access Ro	Cement M	Material D	Diesel	Urban Unr	40	--	86	1440	24	--	--	--	--	--	--		7992
4	Access Ro	Dump Tru	Material D	Diesel	Urban Unr	40	--	86	1440	24	--	--	--	--	--	--		710
4	Access Ro	Dump Tru	Material D	Diesel	Urban Unr	40	--	86	1440	24	--	--	--	--	--	--		4262
4	Access Ro	Passenger	Employee	Gasoline	Urban Unr	30	86	86	--	--	--	--	--	--	--	--		221880
4	Building -	Cement M	Material D	Diesel	Urban Unr	40	--	86	--	--	100000	--	--	--	--	--		23125
4	Building -	Dump Tru	Material D	Diesel	Urban Unr	40	--	86	--	--	100000	--	--	--	--	--		12333
4	Building -	Passenger	Employee	Gasoline	Urban Unr	30	88	86	--	--	--	--	--	--	--	--		227040
4	Building -	Tractor Tr	Material D	Diesel	Urban Unr	40	--	86	--	--	100000	--	--	--	--	0.0024		2400
4	Parking Lo	Asphalt 18	Material D	Diesel	Urban Unr	40	--	86	3150	120	--	--	--	--	--	--		5485
4	Parking Lo	Cement M	Material D	Diesel	Urban Unr	40	--	86	3150	120	--	--	--	--	--	--		87413
4	Parking Lo	Dump Tru	Material D	Diesel	Urban Unr	40	--	86	3150	120	--	--	--	--	--	--		7770
4	Parking Lo	Dump Tru	Material D	Diesel	Urban Unr	40	--	86	3150	120	--	--	--	--	--	--		46620
4	Parking Lo	Passenger	Employee	Gasoline	Urban Unr	30	85	86	--	--	--	--	--	--	--	--		219300
4	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	86	375	109	--	--	--	--	--	--		593
4	Terminal A	Cement M	Material D	Diesel	Urban Unr	40	--	86	375	109	--	--	--	--	--	--		9452
4	Terminal A	Dump Tru	Material D	Diesel	Urban Unr	40	--	86	375	109	--	--	--	--	--	--		840
4	Terminal A	Dump Tru	Material D	Diesel	Urban Unr	40	--	86	375	109	--	--	--	--	--	--		5041
4	Terminal A	Passenger	Employee	Gasoline	Urban Unr	30	76	86	--	--	--	--	--	--	--	--		196080
5	Taxiways	Asphalt 18	Material D	Diesel	Urban Unr	40	--	108	1417	75	--	--	--	--	--	--		1542
5	Taxiways	Cement M	Material D	Diesel	Urban Unr	40	--	108	1417	75	--	--	--	--	--	--		24576
5	Taxiways	Dump Tru	Material D	Diesel	Urban Unr	40	--	108	1417	75	--	--	--	--	--	--		2185
5	Taxiways	Dump Tru	Material D	Diesel	Urban Unr	40	--	108	1417	75	--	--	--	--	--	--		13107
5	Taxiways	Passenger	Employee	Gasoline	Urban Unr	30	73	108	--	--	--	--	--	--	--	--		236520

Emission Factor: Non-Road (from NONROAD)

Scenario ID	Project	Constructi	Equipmen	Fuel Type	Avg Rated	Load Facto	CO (g/hp-h	NOx (g/hp	CO2 (g/hp	SO2 (g/hp	PM10 (g/h	PM2.5 (g/l	VOC Exhau	VOC Evaporative (g/equipment-day)
1	Building -	Concrete F	Backhoe	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022
1	Building -	Concrete F	Concrete F	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963
1	Building -	Concrete F	Concrete F	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Concrete F	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219
1	Building -	Concrete F	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585
1	Building -	Concrete F	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Concrete F	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Constructi	Survey Cre	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Constructi	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Exterior W	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585
1	Building -	Exterior W	Generator	Diesel	40	0.43	1.287109	4.156952	589.3386	0.003484	0.248591	0.228704	0.340077	0.054044
1	Building -	Exterior W	Grout Mixe	Diesel	600	0.59	1.07699	2.518518	536.2292	0.003119	0.153491	0.141211	0.198485	1.39405
1	Building -	Exterior W	Grout Whe	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Exterior W	Man Lift	Diesel	75	0.21	4.213269	4.917514	693.4285	0.004244	0.583163	0.53651	0.848391	0.244166
1	Building -	Exterior W	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Exterior W	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Exterior W	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5503	0.002829	0.055159	0.050746	0.162484	0.409483
1	Building -	Interior Bu	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585
1	Building -	Interior Bu	Man Lift	Diesel	75	0.21	4.213269	4.917514	693.4285	0.004244	0.583163	0.53651	0.848391	0.244166
1	Building -	Interior Bu	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Interior Bu	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Roofing	High Lift	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585
1	Building -	Roofing	Man Lift	Diesel	75	0.21	4.213269	4.917514	693.4285	0.004244	0.583163	0.53651	0.848391	0.244166
1	Building -	Roofing	Material D	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Roofing	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Roofing	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5503	0.002829	0.055159	0.050746	0.162484	0.409483
1	Building -	Security &	High Lift	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585
1	Building -	Security &	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Structural	90 Ton Cra	Diesel	300	0.43	0.278811	1.263221	530.5503	0.002829	0.055159	0.050746	0.162484	0.409483
1	Building -	Structural	Concrete F	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963
1	Building -	Structural	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Structural	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7299	0.002903	0.025741	0.023682	0.140933	0.028585
1	Building -	Structural	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Structural	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Building -	Structural	Trowel Ma	Diesel	600	0.59	1.07699	2.518518	536.2292	0.003119	0.153491	0.141211	0.198485	1.39405
1	Building -	Structural	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5503	0.002829	0.055159	0.050746	0.162484	0.409483
1	Taxiways	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783
1	Taxiways	Asphalt Pl	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Taxiways	Asphalt Pl	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535
1	Taxiways	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991
1	Taxiways	Asphalt Pl	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753
1	Taxiways	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269
1	Taxiways	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7254	0.004009	0.353033	0.32479	0.472476	0.006455
1	Taxiways	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9963	0.140192	9.748189	8.968334	61.88836	26.30746 *** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Taxiways	Clearing a	Chipper/St	Diesel	100	0.43	1.813608	3.239501	589.2408	0.003513	0.318043	0.2926	0.372367	0.582629

1	Taxiways	Clearing a	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Concrete F	Air Compr	Diesel	100	0.43	1.240752	2.03963	589.6911	0.00331	0.181569	0.167043	0.223713	0.227364	
1	Taxiways	Concrete F	Concrete S	Diesel	40	0.59	0.600487	3.398114	595.6245	0.003128	0.085837	0.07897	0.175701	0.00488	
1	Taxiways	Concrete F	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Concrete F	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Taxiways	Concrete F	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Concrete F	Rubber Tir	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
1	Taxiways	Concrete F	Slip Form I	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783	
1	Taxiways	Concrete F	Surfacing I	Diesel	25	0.59	2.38723	4.458634	594.7254	0.004009	0.353033	0.32479	0.472476	0.006455	
1	Taxiways	Drainage -	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Taxiways	Drainage -	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Drainage -	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219	
1	Taxiways	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
1	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Drainage -	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
1	Taxiways	Drainage -	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
1	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Drainage -	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
1	Taxiways	Dust Cont	Water Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Taxiways	Excavatior	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
1	Taxiways	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Taxiways	Excavatior	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Excavatior	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219	
1	Taxiways	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
1	Taxiways	Excavatior	Scraper	Diesel	600	0.59	0.625128	1.537038	536.3531	0.002939	0.09397	0.086452	0.157595	1.01305	
1	Taxiways	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Taxiways	Fencing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Fencing	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Fencing	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Taxiways	Fencing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Fencing	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269	
1	Taxiways	Fencing	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
1	Taxiways	Grading	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Taxiways	Grading	Grader	Diesel	300	0.59	0.27703	0.87973	536.3751	0.002726	0.045102	0.041494	0.150319	0.262948	
1	Taxiways	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
1	Taxiways	Hydroseec	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Hydroseec	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Lighting	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Lighting	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
1	Taxiways	Lighting	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Lighting	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269	
1	Taxiways	Lighting	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
1	Taxiways	Markings	Flatbed Tr	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Markings	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Soil Erosio	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Taxiways	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Soil Erosio	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963	
1	Taxiways	Soil Erosio	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
1	Taxiways	Subbase P	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Taxiways	Subbase P	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Subbase P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Subbase P	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
1	Taxiways	Topsoil Pl	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Taxiways	Topsoil Pl	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Taxiways	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783	
1	Terminal A	Asphalt Pl	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Asphalt Pl	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Terminal A	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Asphalt Pl	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
1	Terminal A	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269	
1	Terminal A	Asphalt Pl	Surfacing I	Diesel	25	0.59	2.38723	4.458634	594.7254	0.004009	0.353033	0.32479	0.472476	0.006455	
1	Terminal A	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9963	0.140172	9.748189	8.968334	61.88836	26.30746	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Terminal A	Clearing a	Chipper/St	Diesel	100	0.43	1.813608	3.239501	589.2408	0.003513	0.318043	0.2926	0.372367	0.582629	
1	Terminal A	Clearing a	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	1.240752	2.03963	589.6911	0.00331	0.181569	0.167043	0.223713	0.227364	
1	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	0.600487	3.398114	595.6245	0.003128	0.085837	0.07897	0.175701	0.00488	
1	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
1	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.280783	
1	Terminal A	Concrete F	Surfacing I	Diesel	25	0.59	2.38723	4.458634	594.7254	0.004009	0.353033	0.32479	0.472476	0.006455	
1	Terminal A	Drainage -	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Drainage -	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219	
1	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
1	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Drainage -	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
1	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
1	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Drainage -	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
1	Terminal A	Dust Cont	Water Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Terminal A	Excavatior	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
1	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Terminal A	Excavatior	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Excavatior	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.185219	
1	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
1	Terminal A	Excavatior	Scraper	Diesel	600	0.59	0.625128	1.537038	536.3531	0.002939	0.09397	0.086452	0.157595	1.01305	
1	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Terminal A	Fencing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Fencing	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Fencing	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269	
1	Terminal A	Fencing	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
1	Terminal A	Grading	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Terminal A	Grading	Grader	Diesel	300	0.59	0.27703	0.87973	536.3751	0.002726	0.045102	0.041494	0.150319	0.262948	
1	Terminal A	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
1	Terminal A	Hydroseec	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Hydroseec	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Lighting	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Lighting	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.306154	
1	Terminal A	Lighting	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2527	0.004246	0.680202	0.625786	0.906351	0.546269	
1	Terminal A	Lighting	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
1	Terminal A	Markings	Flatbed Tr	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Markings	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963	
1	Terminal A	Soil Erosio	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9527	0.004099	0.598567	0.550681	0.675323	0.854022	
1	Terminal A	Subbase P	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Terminal A	Subbase P	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Subbase P	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.22753	
1	Terminal A	Topsoil Pl	Dozer	Diesel	175	0.59	0.431537	1.005192	536.3517	0.002806	0.093646	0.086154	0.158062	0.244829	
1	Terminal A	Topsoil Pl	Dump Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
1	Terminal A	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.377991	
2	Building - :	Concrete F	Backhoe	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
2	Building - :	Concrete F	Concrete F	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.016317	

2	Building - :	Concrete F	Concrete F	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Concrete F	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.12808	
2	Building - :	Concrete F	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578	
2	Building - :	Concrete F	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Concrete F	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Constructi	Survey Cre	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Constructi	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Exterior W	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578	
2	Building - :	Exterior W	Generator	Diesel	40	0.43	1.287109	4.156952	589.3386	0.003484	0.248591	0.228704	0.340077	0.055245	
2	Building - :	Exterior W	Grout Mixi	Diesel	600	0.59	1.076989	2.518518	536.2292	0.003119	0.153491	0.141211	0.198485	0.96399	
2	Building - :	Exterior W	Grout Wh	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Exterior W	Man Lift	Diesel	75	0.21	4.21327	4.917513	693.4285	0.004244	0.583163	0.53651	0.848391	0.167227	
2	Building - :	Exterior W	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Exterior W	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Exterior W	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5504	0.002829	0.055159	0.050746	0.162484	0.283159	
2	Building - :	Interior Bu	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578	
2	Building - :	Interior Bu	Man Lift	Diesel	75	0.21	4.21327	4.917513	693.4285	0.004244	0.583163	0.53651	0.848391	0.167227	
2	Building - :	Interior Bu	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Interior Bu	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Roofing	High Lift	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578	
2	Building - :	Roofing	Man Lift	Diesel	75	0.21	4.21327	4.917513	693.4285	0.004244	0.583163	0.53651	0.848391	0.167227	
2	Building - :	Roofing	Material D	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Roofing	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Roofing	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5504	0.002829	0.055159	0.050746	0.162484	0.283159	
2	Building - :	Security &	High Lift	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578	
2	Building - :	Security &	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Structural	90 Ton Cra	Diesel	300	0.43	0.278811	1.263221	530.5504	0.002829	0.055159	0.050746	0.162484	0.283159	
2	Building - :	Structural	Concrete F	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.016317	
2	Building - :	Structural	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Structural	Fork Truck	Diesel	100	0.59	0.48677	0.444772	595.7298	0.002903	0.025741	0.023682	0.140933	0.019578	
2	Building - :	Structural	Tool Truck	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Structural	Tractor Tra	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Building - :	Structural	Trowel Ma	Diesel	600	0.59	1.076989	2.518518	536.2292	0.003119	0.153491	0.141211	0.198485	0.96399	
2	Building - :	Structural	Truck Tow	Diesel	300	0.43	0.278811	1.263221	530.5504	0.002829	0.055159	0.050746	0.162484	0.283159	
2	Terminal A	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.194163	
2	Terminal A	Asphalt Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Asphalt Pl	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
2	Terminal A	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Asphalt Pl	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
2	Terminal A	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747	
2	Terminal A	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.004463	
2	Terminal A	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9963	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
2	Terminal A	Clearing a	Chipper/St	Diesel	100	0.43	1.813608	3.239502	589.2408	0.003513	0.318043	0.2926	0.372367	0.071326	
2	Terminal A	Clearing a	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	1.240752	2.03963	589.6911	0.00331	0.181569	0.167043	0.223713	0.232417	
2	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	0.600487	3.398113	595.6245	0.003128	0.085837	0.07897	0.175701	0.003375	
2	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
2	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707	
2	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.194163	
2	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.004463	
2	Terminal A	Drainage -	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
2	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Drainage -	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.12808	
2	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707	
2	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
2	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Drainage -	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
2	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707	
2	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
2	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
2	Terminal A	Dust Cont	Water Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
2	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
2	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
2	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Excavatior	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.12808	
2	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
2	Terminal A	Excavatior	Scraper	Diesel	600	0.59	0.625127	1.537038	536.3531	0.002939	0.09397	0.086452	0.157595	0.700528	
2	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
2	Terminal A	Fencing	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Fencing	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Fencing	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
2	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747	
2	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
2	Terminal A	Grading	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
2	Terminal A	Grading	Grader	Diesel	300	0.59	0.277031	0.879729	536.3751	0.002726	0.045102	0.041494	0.150319	0.181829	
2	Terminal A	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
2	Terminal A	Hydroseec	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Hydroseec	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Lighting	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Lighting	Loader	Diesel	175	0.59	0.556507	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.211707	
2	Terminal A	Lighting	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
2	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	4.603312	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.377747	
2	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
2	Terminal A	Markings	Flatbed Tr	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Markings	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
2	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
2	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	0.436835	1.59911	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421	
2	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.016317	
2	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	4.263726	3.349504	693.9527	0.004099	0.598567	0.550681	0.675323	0.590559	
2	Terminal A	Subbase P	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
2	Terminal A	Subbase P	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Subbase P	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.157338	
2	Terminal A	Topsoil Pl	Dozer	Diesel	175	0.59	0.431536	1.005191	536.3516	0.002806	0.093646	0.086154	0.158062	0.1693	
2	Terminal A	Topsoil Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
2	Terminal A	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.261382	
3	Access Roa	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869	
3	Access Roa	Asphalt Pl	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
3	Access Roa	Asphalt Pl	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
3	Access Roa	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
3	Access Roa	Asphalt Pl	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
3	Access Roa	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652	
3	Access Roa	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841	
3	Access Roa	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	26.30746	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
3	Access Roa	Clearing a	Chipper/St	Diesel	100	0.43	1.6976	3.01401	589.3092	0.003468	0.294053	0.270529	0.349775	0.530708	
3	Access Roa	Clearing a	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
3	Access Roa	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.191638	
3	Access Roa	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313194	595.6491	0.003072	0.071525	0.065803	0.167578	0.00366	
3	Access Roa	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
3	Access Roa	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
3	Access Roa	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
3	Access Roa	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
3	Access Roa	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869	
3	Access Roa	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841	
3	Access Roa	Curbing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
3	Access Roa	Curbing	Curb/Gutte	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869	
3	Access Roa	Curbing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
3	Access Roa	Curbing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
3	Access Roa	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522	
3	Access Roa	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
3	Access Roa	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043	
3	Access Roa	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
3	Access Roa	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	
3	Access Roa	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
3	Access Roa	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897	
3	Access Roa	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845	
3	Access Roa	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779	
3	Access Roa	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337	

3	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Access Ro	Dust Contr	Water Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Access Ro	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Access Ro	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043		
3	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Access Ro	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.363	0.002882	0.080485	0.074046	0.154332	0.844709		
3	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Access Ro	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Fencing	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652		
3	Access Ro	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Access Ro	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Access Ro	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.205466		
3	Access Ro	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Access Ro	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Markings	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Access Ro	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Sidewalks	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Sidewalks	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Sidewalks	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Sidewalks	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Access Ro	Sidewalks	Vibratory (	Diesel	6	0.43	4.454482	4.442996	588.5146	0.003967	0.38997	0.358772	0.61206	0.006719		
3	Access Ro	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Access Ro	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259		
3	Access Ro	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Access Ro	Street Ligh	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Street Ligh	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
3	Access Ro	Street Ligh	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Access Ro	Street Ligh	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Street Ligh	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652		
3	Access Ro	Street Ligh	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Access Ro	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Access Ro	Subbase P	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Access Ro	Topsoil Pl	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Access Ro	Topsoil Pl	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Tree Plant	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Tree Plant	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Access Ro	Tree Plant	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Access Ro	Tree Plant	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Building - :	Concrete F	Backhoe	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Building - :	Concrete F	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259		
3	Building - :	Concrete F	Concrete F	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Concrete F	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043		
3	Building - :	Concrete F	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439		
3	Building - :	Concrete F	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Concrete F	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Constructi	Survey Cre	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Constructi	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Exterior W	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439		
3	Building - :	Exterior W	Generator	Diesel	40	0.43	1.172554	0.04426	589.4126	0.003426	0.225203	0.207187	0.315664	0.0465		
3	Building - :	Exterior W	Grout Mixe	Diesel	600	0.59	0.983412	2.299761	536.2506	0.003073	0.140475	0.129237	0.191425	1.254561		
3	Building - :	Exterior W	Grout Whe	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Exterior W	Man Lift	Diesel	75	0.21	3.948786	4.753797	693.6193	0.004193	0.538329	0.495263	0.785422	0.222717		
3	Building - :	Exterior W	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Exterior W	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Exterior W	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541		
3	Building - :	Interior Bu	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439		
3	Building - :	Interior Bu	Man Lift	Diesel	75	0.21	3.948786	4.753797	693.6193	0.004193	0.538329	0.495263	0.785422	0.222717		
3	Building - :	Interior Bu	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Interior Bu	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Roofing	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439		
3	Building - :	Roofing	Man Lift	Diesel	75	0.21	3.948786	4.753797	693.6193	0.004193	0.538329	0.495263	0.785422	0.222717		
3	Building - :	Roofing	Material D	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Roofing	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Roofing	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541		
3	Building - :	Security &	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439		
3	Building - :	Security &	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Structural	90 Ton Cra	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541		
3	Building - :	Structural	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259		
3	Building - :	Structural	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Structural	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.021439		
3	Building - :	Structural	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Structural	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Building - :	Structural	Trowel Ma	Diesel	600	0.59	0.983412	2.299761	536.2506	0.003073	0.140475	0.129237	0.191425	1.254561		
3	Building - :	Structural	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.332541		
3	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869		
3	Parking Lo	Asphalt Pl	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Asphalt Pl	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Asphalt Pl	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Parking Lo	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652		
3	Parking Lo	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841		
3	Parking Lo	Clearing ar	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	26.30746	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
3	Parking Lo	Clearing ar	Chipper/St	Diesel	100	0.43	1.6976	3.01401	589.3092	0.003468	0.294053	0.270529	0.349775	0.530708		
3	Parking Lo	Clearing ar	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.191638		
3	Parking Lo	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313194	595.6491	0.003072	0.071525	0.065803	0.167578	0.00366		
3	Parking Lo	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Parking Lo	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
3	Parking Lo	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869		
3	Parking Lo	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841		
3	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Curbing	Curb/Gutte	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869		
3	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043		
3	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
3	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
3	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Parking Lo	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Parking Lo	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043		
3	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Parking Lo	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.363	0.002882	0.080485	0.074046	0.154332	0.844709		
3	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Fencing	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652		
3	Parking Lo	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Parking Lo	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		

3	Parking Lo	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.205466		
3	Parking Lo	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Parking Lo	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Markings	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Sidewalks	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Sidewalks	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Parking Lo	Sidewalks	Vibratory	Diesel	6	0.43	4.454482	4.442996	588.5146	0.003967	0.38997	0.358772	0.61206	0.006719		
3	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259		
3	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Parking Lo	Street Ligh	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
3	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652		
3	Parking Lo	Street Ligh	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Parking Lo	Subbase P	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Parking Lo	Topsoil Pla	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Parking Lo	Topsoil Pla	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Tree Plant	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Tree Plant	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Parking Lo	Tree Plant	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Parking Lo	Tree Plant	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869		
3	Terminal A	Asphalt Pla	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652		
3	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841		
3	Terminal A	Clearing an	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	26.30746	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
3	Terminal A	Clearing an	Chipper/St	Diesel	100	0.43	1.6976	3.01401	589.3092	0.003468	0.294053	0.270529	0.349775	0.530708		
3	Terminal A	Clearing an	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.191638		
3	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313194	595.6491	0.003072	0.071525	0.065803	0.167578	0.00366		
3	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
3	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.224869		
3	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004841		
3	Terminal A	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043		
3	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
3	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Terminal A	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
3	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Terminal A	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Terminal A	Excavatior	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.143043		
3	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Terminal A	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.363	0.002882	0.080485	0.074046	0.154332	0.844709		
3	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Terminal A	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Fencing	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652		
3	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Terminal A	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Terminal A	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.205466		
3	Terminal A	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Terminal A	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Lighting	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Lighting	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.24779		
3	Terminal A	Lighting	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.497652		
3	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Terminal A	Markings	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5105	0.002888	0.092368	0.084979	0.175662	0.26337		
3	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259		
3	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073714	694.1216	0.004039	0.547955	0.504118	0.619598	0.767893		
3	Terminal A	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Terminal A	Subbase P	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.183897		
3	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.192522		
3	Terminal A	Topsoil Pla	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
3	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.290845		
4	Access Ro	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
4	Access Ro	Asphalt Pla	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Asphalt Pla	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Access Ro	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Asphalt Pla	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
4	Access Ro	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
4	Access Ro	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347		
4	Access Ro	Clearing an	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
4	Access Ro	Clearing an	Chipper/St	Diesel	100	0.43	1.6976	3.014011	589.3093	0.003468	0.294053	0.270529	0.349775	0.06497		
4	Access Ro	Clearing an	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.195896		
4	Access Ro	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313193	595.6491	0.003072	0.071525	0.065803	0.167578	0.002531		
4	Access Ro	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Access Ro	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
4	Access Ro	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
4	Access Ro	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347		
4	Access Ro	Curbing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Curbing	Curb/Gutt	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
4	Access Ro	Curbing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Access Ro	Curbing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
4	Access Ro	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
4	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
4	Access Ro	Drainage -	Dump Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
4	Access Ro	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Access Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		

4	Access Ro	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
4	Access Ro	Dust Contr	Water Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Access Ro	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
4	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Access Ro	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
4	Access Ro	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
4	Access Ro	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.3629	0.002882	0.080485	0.074046	0.154332	0.584119		
4	Access Ro	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Access Ro	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Fencing	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Access Ro	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
4	Access Ro	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
4	Access Ro	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Access Ro	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.142081		
4	Access Ro	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
4	Access Ro	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Markings	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Access Ro	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Sidewalks	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Sidewalks	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Sidewalks	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Sidewalks	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
4	Access Ro	Sidewalks	Vibratory (	Diesel	6	0.43	4.454483	4.442997	588.5147	0.003967	0.38997	0.358772	0.61206	0.004647		
4	Access Ro	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Access Ro	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554		
4	Access Ro	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
4	Access Ro	Street Ligh	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Street Ligh	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
4	Access Ro	Street Ligh	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Access Ro	Street Ligh	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Street Ligh	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
4	Access Ro	Street Ligh	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
4	Access Ro	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Access Ro	Subbase P	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
4	Access Ro	Topsoil Pl	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Access Ro	Topsoil Pl	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Tree Plant	Flatbed Tr	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Tree Plant	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Access Ro	Tree Plant	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Access Ro	Tree Plant	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
4	Building -	Concrete F	Backhoe	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
4	Building -	Concrete F	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554		
4	Building -	Concrete F	Concrete F	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Concrete F	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
4	Building -	Concrete F	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
4	Building -	Concrete F	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Concrete F	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Constructi	Survey Cre	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Constructi	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Exterior W	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
4	Building -	Exterior W	Generator	Diesel	40	0.43	1.172554	4.04426	589.4126	0.003426	0.225203	0.207187	0.315664	0.047533		
4	Building -	Exterior W	Grout Mixi	Diesel	600	0.59	0.983412	2.29976	536.2506	0.003073	0.140475	0.129237	0.191425	0.867533		
4	Building -	Exterior W	Grout Whe	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Exterior W	Man Lift	Diesel	75	0.21	3.948787	4.753796	693.6192	0.004193	0.538329	0.495263	0.785422	0.152536		
4	Building -	Exterior W	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Exterior W	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Exterior W	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
4	Building -	Interior Bu	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
4	Building -	Interior Bu	Man Lift	Diesel	75	0.21	3.948787	4.753796	693.6192	0.004193	0.538329	0.495263	0.785422	0.152536		
4	Building -	Interior Bu	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Interior Bu	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Roofing	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
4	Building -	Roofing	Man Lift	Diesel	75	0.21	3.948787	4.753796	693.6192	0.004193	0.538329	0.495263	0.785422	0.152536		
4	Building -	Roofing	Material D	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Roofing	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Roofing	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
4	Building -	Security &	High Lift	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
4	Building -	Security &	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Structural	90 Ton Cra	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
4	Building -	Structural	Concrete F	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554		
4	Building -	Structural	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Structural	Fork Truck	Diesel	100	0.59	0.463825	0.403939	595.7311	0.002896	0.021914	0.020161	0.140517	0.014683		
4	Building -	Structural	Tool Truck	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Structural	Tractor Tra	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Building -	Structural	Trowel Ma	Diesel	600	0.59	0.983412	2.29976	536.2506	0.003073	0.140475	0.129237	0.191425	0.867533		
4	Building -	Structural	Truck Tow	Diesel	300	0.43	0.241072	1.094852	530.5639	0.002779	0.046736	0.042997	0.158019	0.229953		
4	Parking Lo	Asphalt Pl	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
4	Parking Lo	Asphalt Pl	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Asphalt Pl	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Parking Lo	Asphalt Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Asphalt Pl	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
4	Parking Lo	Asphalt Pl	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
4	Parking Lo	Asphalt Pl	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347		
4	Parking Lo	Clearing ar	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***	
4	Parking Lo	Clearing ar	Chipper/St	Diesel	100	0.43	1.6976	3.014011	589.3093	0.003468	0.294053	0.270529	0.349775	0.06497		
4	Parking Lo	Clearing ar	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.195896		
4	Parking Lo	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313193	595.6491	0.003072	0.071525	0.065803	0.167578	0.002531		
4	Parking Lo	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Parking Lo	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
4	Parking Lo	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
4	Parking Lo	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347		
4	Parking Lo	Curbing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Curbing	Curb/Gutte	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498		
4	Parking Lo	Curbing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Parking Lo	Curbing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
4	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
4	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
4	Parking Lo	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348		
4	Parking Lo	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Parking Lo	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
4	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Parking Lo	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
4	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Parking Lo	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915		
4	Parking Lo	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166		
4	Parking Lo	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.3629	0.002882	0.080485	0.074046	0.154332	0.584119		
4	Parking Lo	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Parking Lo	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Fencing	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379		
4	Parking Lo	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112		
4	Parking Lo	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128		
4	Parking Lo	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001		
4	Parking Lo	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129		
4	Parking Lo	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.142081		

4	Parking Lo	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166			
4	Parking Lo	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Markings	Flatbed Tri	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Parking Lo	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Sidewalks	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Sidewalks	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Sidewalks	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Sidewalks	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001			
4	Parking Lo	Sidewalks	Vibratory (	Diesel	6	0.43	4.454483	4.442997	588.5147	0.003967	0.38997	0.358772	0.61206	0.004647			
4	Parking Lo	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Parking Lo	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554			
4	Parking Lo	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001			
4	Parking Lo	Street Ligh	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Street Ligh	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348			
4	Parking Lo	Street Ligh	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Parking Lo	Street Ligh	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Street Ligh	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128			
4	Parking Lo	Street Ligh	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001			
4	Parking Lo	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129			
4	Parking Lo	Subbase P	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166			
4	Parking Lo	Topsoil Pla	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129			
4	Parking Lo	Topsoil Pla	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Tree Plant	Flatbed Tri	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Tree Plant	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Parking Lo	Tree Plant	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Parking Lo	Tree Plant	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001			
4	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498			
4	Terminal A	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166			
4	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128			
4	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347			
4	Terminal A	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***		
4	Terminal A	Clearing a	Chipper/St	Diesel	100	0.43	1.6976	3.014011	589.3093	0.003468	0.294053	0.270529	0.349775	0.06497			
4	Terminal A	Clearing a	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.195896			
4	Terminal A	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313193	595.6491	0.003072	0.071525	0.065803	0.167578	0.002531			
4	Terminal A	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Terminal A	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348			
4	Terminal A	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498			
4	Terminal A	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347			
4	Terminal A	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129			
4	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915			
4	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348			
4	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166			
4	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348			
4	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001			
4	Terminal A	Dust Contr	Water Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129			
4	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166			
4	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129			
4	Terminal A	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915			
4	Terminal A	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166			
4	Terminal A	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.3629	0.002882	0.080485	0.074046	0.154332	0.584119			
4	Terminal A	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129			
4	Terminal A	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Fencing	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Terminal A	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128			
4	Terminal A	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001			
4	Terminal A	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129			
4	Terminal A	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.142081			
4	Terminal A	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166			
4	Terminal A	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Lighting	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Lighting	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348			
4	Terminal A	Lighting	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128			
4	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001			
4	Terminal A	Markings	Flatbed Tri	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
4	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554			
4	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001			
4	Terminal A	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129			
4	Terminal A	Subbase P	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166			
4	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129			
4	Terminal A	Topsoil Pla	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
4	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498			
5	Taxiways	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Asphalt Pla	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
5	Taxiways	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Asphalt Pla	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166			
5	Taxiways	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128			
5	Taxiways	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347			
5	Taxiways	Clearing a	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	25.74149	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***		
5	Taxiways	Clearing a	Chipper/St	Diesel	100	0.43	1.6976	3.014011	589.3093	0.003468	0.294053	0.270529	0.349775	0.06497			
5	Taxiways	Clearing a	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Concrete F	Air Compr	Diesel	100	0.43	1.104828	1.794373	589.7346	0.003245	0.158031	0.145388	0.20937	0.195896			
5	Taxiways	Concrete F	Concrete S	Diesel	40	0.59	0.522532	3.313193	595.6491	0.003072	0.071525	0.065803	0.167578	0.002531			
5	Taxiways	Concrete F	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Concrete F	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
5	Taxiways	Concrete F	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Concrete F	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348			
5	Taxiways	Concrete F	Slip Form I	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.155498			
5	Taxiways	Concrete F	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.003347			
5	Taxiways	Drainage -	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129			
5	Taxiways	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Drainage -	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915			
5	Taxiways	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348			
5	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
5	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Drainage -	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166			
5	Taxiways	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348			
5	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379			
5	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001			
5	Taxiways	Dust Contr	Water Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129			
5	Taxiways	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			
5	Taxiways	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112			

5	Taxiways	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166				
5	Taxiways	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129				
5	Taxiways	Excavatior	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Excavatior	Excavator	Diesel	175	0.59	0.292252	0.701204	536.3824	0.002701	0.054125	0.049795	0.147908	0.098915				
5	Taxiways	Excavatior	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Excavatior	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166				
5	Taxiways	Excavatior	Scraper	Diesel	600	0.59	0.545055	1.354215	536.3629	0.002882	0.080485	0.074046	0.154332	0.584119				
5	Taxiways	Excavatior	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129				
5	Taxiways	Fencing	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Fencing	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Fencing	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379				
5	Taxiways	Fencing	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Fencing	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128				
5	Taxiways	Fencing	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001				
5	Taxiways	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129				
5	Taxiways	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.142081				
5	Taxiways	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166				
5	Taxiways	Hydroseec	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Hydroseec	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Lighting	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Lighting	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.171348				
5	Taxiways	Lighting	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379				
5	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Lighting	Skid Steer	Diesel	75	0.21	4.304131	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.344128				
5	Taxiways	Lighting	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001				
5	Taxiways	Markings	Flatbed Tri	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379				
5	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379				
5	Taxiways	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594025	588.4291	0.003967	0.417534	0.384131	0.640288	0.013554				
5	Taxiways	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.531001				
5	Taxiways	Subbase P	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129				
5	Taxiways	Subbase P	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Subbase P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Subbase P	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.127166				
5	Taxiways	Topsoil Pl	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3642	0.00276	0.076278	0.070176	0.15389	0.133129				
5	Taxiways	Topsoil Pl	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				
5	Taxiways	Topsoil Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.20112				

Emission Factors: On-Road (from MOVES)

Scenario It	Project Ty	Equipmer	Fuel Type	Roadway T	CO(g/mi)	NOx(g/mi)	CO2(g/mi)	SO2(g/mi)	PM10(g/m	PM2.5(g/n	CH4(g/mi)	N2O(g/mi)	VOC(g/mi)	RV CO(g/vi	RV NOx(g/	RV CO2(g/	RV SO2(g/	RV PM10(g	RV PM2.5(	RV VOC(g/	RP VOC(g/veh-day)
1	Building - :	Cement M	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
1	Building - :	Dump Truc	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
1	Building - :	Passenger	Gasoline	Urban Unr	2.23762	0.184218	377.7739	0.006515	0.004564	0.004202	0.073665	0.00461	0.001798	30.6368	2.529955	314.6944	0.005427	0.035639	0.032817	6.073836	0
1	Building - :	Tractor Tr	Diesel	Urban Unr	1.404515	4.941793	2465.144	0.017485	0.248211	0.240772	0.329029	0.065585	0.003463	17.81891	0.805381	243.325	0.001822	0.032796	0.031813	10.96748	0
1	Taxiways	Asphalt 18	Diesel	Urban Unr	1.404515	4.941793	2465.144	0.017485	0.248211	0.240772	0.329029	0.065585	0.003463	17.81891	0.805381	243.325	0.001822	0.032796	0.031813	10.96748	0
1	Taxiways	Cement M	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
1	Taxiways	Dump Truc	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
1	Taxiways	Dump Truc	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
1	Taxiways	Passenger	Gasoline	Urban Unr	2.23762	0.184218	377.7739	0.006515	0.004564	0.004202	0.073665	0.00461	0.001798	30.6368	2.529955	314.6944	0.005427	0.035639	0.032817	6.073836	0
1	Terminal A	Asphalt 18	Diesel	Urban Unr	1.404515	4.941793	2465.144	0.017485	0.248211	0.240772	0.329029	0.065585	0.003463	17.81891	0.805381	243.325	0.001822	0.032796	0.031813	10.96748	0
1	Terminal A	Cement M	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
1	Terminal A	Dump Truc	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
1	Terminal A	Dump Truc	Diesel	Urban Unr	0.8655	2.193692	1344.721	0.009432	0.084147	0.081625	0.23576	0.069215	0.003463	16.82352	0.390459	212.9113	0.001548	0.019223	0.018647	1.112388	0
1	Terminal A	Passenger	Gasoline	Urban Unr	2.23762	0.184218	377.7739	0.006515	0.004564	0.004202	0.073665	0.00461	0.001798	30.6368	2.529955	314.6944	0.005427	0.035639	0.032817	6.073836	0
2	Building - :	Cement M	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
2	Building - :	Dump Truc	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
2	Building - :	Passenger	Gasoline	Urban Unr	3.372234	0.150575	353.9016	0.006448	0.016421	0.015121	0.069651	0.004417	0.001798	234.9142	3.878955	793.7783	0.014463	0.212381	0.195562	9.503837	0
2	Building - :	Tractor Tr	Diesel	Urban Unr	1.404516	5.277428	2328.797	0.016519	0.248141	0.240705	0.324989	0.065585	0.003463	21.66505	8.245722	384.0371	0.002876	0.032872	0.031887	10.55057	0
2	Terminal A	Asphalt 18	Diesel	Urban Unr	1.404516	5.277428	2328.797	0.016519	0.248141	0.240705	0.324989	0.065585	0.003463	21.66505	8.245722	384.0371	0.002876	0.032872	0.031887	10.55057	0
2	Terminal A	Cement M	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
2	Terminal A	Dump Truc	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
2	Terminal A	Dump Truc	Diesel	Urban Unr	0.865501	2.342674	1249.196	0.008762	0.084098	0.081578	0.233673	0.069215	0.003463	20.25752	7.565862	342.6005	0.002491	0.01929	0.018713	2.67929	0
2	Terminal A	Passenger	Gasoline	Urban Unr	3.372234	0.150575	353.9016	0.006448	0.016421	0.015121	0.069651	0.004417	0.001798	234.9142	3.878955	793.7783	0.014463	0.212381	0.195562	9.503837	0
3	Access Roa	Asphalt 18	Diesel	Urban Unr	1.261851	4.460653	2465.236	0.017396	0.216817	0.21032	0.298819	0.066706	0.003463	17.81678	0.805365	243.4884	0.00181	0.029963	0.029065	11.17232	0
3	Access Roa	Cement M	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
3	Access Roa	Dump Truc	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
3	Access Roa	Dump Truc	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
3	Access Roa	Passenger	Gasoline	Urban Unr	2.19304	0.167364	372.32	0.006421	0.004522	0.004164	0.069766	0.004581	0.001767	30.00233	2.338291	310.1012	0.005348	0.035031	0.032256	5.876798	0
3	Building - :	Cement M	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
3	Building - :	Dump Truc	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
3	Building - :	Passenger	Gasoline	Urban Unr	2.19304	0.167364	372.32	0.006421	0.004522	0.004164	0.069766	0.004581	0.001767	30.00233	2.338291	310.1012	0.005348	0.035031	0.032256	5.876798	0
3	Building - :	Tractor Tr	Diesel	Urban Unr	1.261851	4.460653	2465.236	0.017396	0.216817	0.21032	0.298819	0.066706	0.003463	17.81678	0.805365	243.4884	0.00181	0.029963	0.029065	11.17232	0
3	Parking Lo	Asphalt 18	Diesel	Urban Unr	1.261851	4.460653	2465.236	0.017396	0.216817	0.21032	0.298819	0.066706	0.003463	17.81678	0.805365	243.4884	0.00181	0.029963	0.029065	11.17232	0
3	Parking Lo	Cement M	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
3	Parking Lo	Dump Truc	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
3	Parking Lo	Dump Truc	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
3	Parking Lo	Passenger	Gasoline	Urban Unr	2.19304	0.167364	372.32	0.006421	0.004522	0.004164	0.069766	0.004581	0.001767	30.00233	2.338291	310.1012	0.005348	0.035031	0.032256	5.876798	0
3	Terminal A	Asphalt 18	Diesel	Urban Unr	1.261851	4.460653	2465.236	0.017396	0.216817	0.21032	0.298819	0.066706	0.003463	17.81678	0.805365	243.4884	0.00181	0.029963	0.029065	11.17232	0
3	Terminal A	Cement M	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
3	Terminal A	Dump Truc	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
3	Terminal A	Dump Truc	Diesel	Urban Unr	0.79407	2.019821	1344.743	0.009398	0.073874	0.07166	0.211524	0.069606	0.003463	16.82187	0.390452	213.0192	0.001539	0.017182	0.016667	1.100743	0
3	Terminal A	Passenger	Gasoline	Urban Unr	2.19304	0.167364	372.32	0.006421	0.004522	0.004164	0.069766	0.004581	0.001767	30.00233	2.338291	310.1012	0.005348	0.035031	0.032256	5.876798	0
4	Access Roa	Asphalt 18	Diesel	Urban Unr	1.261852	4.763609	2328.797	0.016434	0.216748	0.210252	0.294778	0.066706	0.003463	21.66245	8.245557	384.2953	0.002857	0.030039	0.029139	10.62326	0
4	Access Roa	Cement M	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
4	Access Roa	Dump Truc	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
4	Access Roa	Dump Truc	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
4	Access Roa	Passenger	Gasoline	Urban Unr	3.319439	0.136328	348.7876	0.006355	0.016273	0.014984	0.065862	0.004381	0.001767	232.113	3.655801	782.1927	0.014252	0.205093	0.188851	8.822119	0
4	Building - :	Cement M	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
4	Building - :	Dump Truc	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
4	Building - :	Passenger	Gasoline	Urban Unr	3.319439	0.136328	348.7876	0.006355	0.016273	0.014984	0.065862	0.004381	0.001767	232.113	3.655801	782.1927	0.014252	0.205093	0.188851	8.822119	0
4	Building - :	Tractor Tr	Diesel	Urban Unr	1.261852	4.763609	2328.797	0.016434	0.216748	0.210252	0.294778	0.066706	0.003463	21.66245	8.245557	384.2953	0.002857	0.030039	0.029139	10.62326	0
4	Parking Lo	Asphalt 18	Diesel	Urban Unr	1.261852	4.763609	2328.797	0.016434	0.216748	0.210252	0.294778	0.066706	0.003463	21.66245	8.245557	384.2953	0.002857	0.030039	0.029139	10.62326	0
4	Parking Lo	Cement M	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
4	Parking Lo	Dump Truc	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
4	Parking Lo	Dump Truc	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
4	Parking Lo	Passenger	Gasoline	Urban Unr	3.319439	0.136328	348.7876	0.006355	0.016273	0.014984	0.065862	0.004381	0.001767	232.113	3.655801	782.1927	0.014252	0.205093	0.188851	8.822119	0
4	Terminal A	Asphalt 18	Diesel	Urban Unr	1.261852	4.763609	2328.797	0.016434	0.216748	0.210252	0.294778	0.066706	0.003463	21.66245	8.245557	384.2953	0.002857	0.030039	0.029139	10.62326	0
4	Terminal A	Cement M	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
4	Terminal A	Dump Truc	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
4	Terminal A	Dump Truc	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
4	Terminal A	Passenger	Gasoline	Urban Unr	3.319439	0.136328	348.7876	0.006355	0.016273	0.014984	0.065862	0.004381	0.001767	232.113	3.655801	782.1927	0.014252	0.205093	0.188851	8.822119	0
5	Taxiways	Asphalt 18	Diesel	Urban Unr	1.261852	4.763609	2328.797	0.016434	0.216748	0.210252	0.294778	0.066706	0.003463	21.66245	8.245557	384.2953	0.002857	0.030039	0.029139	10.62326	0
5	Taxiways	Cement M	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
5	Taxiways	Dump Truc	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
5	Taxiways	Dump Truc	Diesel	Urban Unr	0.794071	2.156994	1249.196	0.008731	0.073826	0.071613	0.209438	0.069606	0.003463	20.25553	7.56574	342.7742	0.002477	0.017249	0.016732	2.612244	0
5	Taxiways	Passenger	Gasoline	Urban Unr	3.319439	0.136328	348.7876	0.006355	0.016273	0.014984	0.065862	0.004381	0.001767	232.113	3.655801	782.1927	0.014252	0.205093	0.188851	8.822119	0

Fugitive Emissions (Emission Factors from Various Sources including AP-42)

Scenario It	Project	Fugitive T	Variable	Default Va	Units	User Value
1	Building - :	Concrete F	V = Volum	4625	yd3	
1	Building - :	Concrete F	PM10 = 0.(	171.1	lbs	
1	Building - :	Material N	sL = Road s	0.1	g/m3	
1	Building - :	Material N	Wt. = Mea	32	tons	
1	Building - :	Material N	VMT = Veh	3225	miles	
1	Building - :	Material N	PM10 = 0.(	29.9	lbs	
1	Building - :	Material N	s = Surface	0.043	fraction	
1	Building - :	Material N	Wt. = Mea	32	tons	
1	Building - :	Material N	VMT = Veh	3325	miles	
1	Building - :	Material N	PM10 = 1.!	91.1	lbs	
1	Taxiways	Asphalt Dr	A = Area o	12074.7	m2	
1	Taxiways	Asphalt Dr	AR = Applic	1.811	l/m2	
1	Taxiways	Asphalt Dr	VD = Volur	0.35	fraction	
1	Taxiways	Asphalt Dr	EF = Mass	0.7	fraction	
1	Taxiways	Asphalt Dr	D = Densit	1.8	lbs/l	
1	Taxiways	Asphalt Dr	VOC = A x	9643.5	lbs	
1	Taxiways	Asphalt Sto	T = Mass o	1570.8	tons	
1	Taxiways	Asphalt Sto	PM10 = (0	43.1	lbs	
1	Taxiways	Asphalt Sto	CO = (0.4 +	629	lbs	
1	Taxiways	Asphalt Sto	NOx = (0.0	39.3	lbs	
1	Taxiways	Asphalt Sto	SOx = (0.0(	7.226	lbs	
1	Taxiways	Asphalt Sto	VOC = (0.0	19.5	lbs	
1	Taxiways	Material N	s = Surface	0.043	fraction	
1	Taxiways	Material N	Wt. = Mea	32	tons	
1	Taxiways	Material N	VMT = Veh	5013.9	miles	
1	Taxiways	Material N	PM10 = 1.!	137.3	lbs	
1	Taxiways	Material N	sL = Road s	0.1	g/m3	
1	Taxiways	Material N	Wt. = Mea	32	tons	

1	Taxiways	Material N	VMT = Veh	4515	miles
1	Taxiways	Material N	PM10 = 0.(	41.9	lbs
1	Taxiways	Concrete F	V = Volum	6011.3	yd3
1	Taxiways	Concrete F	PM10 = 0.(	222.4	lbs
1	Taxiways	Unstabilize	A = Area af	2.984	acres
1	Taxiways	Unstabilize	TPConv = T	0.5	fraction
1	Taxiways	Unstabilize	CE = Contr	0.63	fraction
1	Taxiways	Unstabilize	t = year (e.	0.5	years
1	Taxiways	Unstabilize	PM10 = 0.:	0	lbs
1	Taxiways	Soil Handli	u = Wind s	5	mph
1	Taxiways	Soil Handli	m = Moistu	0.25	fraction
1	Taxiways	Soil Handli	T = Mass o	3574.3	tons
1	Taxiways	Soil Handli	PM10 = T >	73.6	lbs
1	Terminal A	Asphalt Dr	A = Area ol	5713.4	m2
1	Terminal A	Asphalt Dr	AR = Applic	1.811	l/m2
1	Terminal A	Asphalt Dr	VD = Volur	0.35	fraction
1	Terminal A	Asphalt Dr	EF = Mass	0.7	fraction
1	Terminal A	Asphalt Dr	D = Densit	1.8	lbs/l
1	Terminal A	Asphalt Dr	VOC = A x	4563	lbs
1	Terminal A	Asphalt Sto	T = Mass o	743.3	tons
1	Terminal A	Asphalt Sto	PM10 = (0	20.4	lbs
1	Terminal A	Asphalt Sto	CO = (0.4 +	297.6	lbs
1	Terminal A	Asphalt Sto	NOx = (0.0	18.6	lbs
1	Terminal A	Asphalt Sto	SOx = (0.0(	3.419	lbs
1	Terminal A	Asphalt Sto	VOC = (0.0	9.217	lbs
1	Terminal A	Material N	s = Surface	0.043	fraction
1	Terminal A	Material N	Wt. = Mea	32	tons
1	Terminal A	Material N	VMT = Veh	3417.2	miles
1	Terminal A	Material N	PM10 = 1.!	93.6	lbs
1	Terminal A	Material N	sL = Road s	0.1	g/m3
1	Terminal A	Material N	Wt. = Mea	32	tons
1	Terminal A	Material N	VMT = Veh	3225	miles
1	Terminal A	Material N	PM10 = 0.(	29.9	lbs
1	Terminal A	Concrete F	V = Volum	2844.4	yd3
1	Terminal A	Concrete F	PM10 = 0.(	105.2	lbs
1	Terminal A	Unstabilize	A = Area af	1.412	acres
1	Terminal A	Unstabilize	TPConv = T	0.5	fraction
1	Terminal A	Unstabilize	CE = Contr	0.63	fraction
1	Terminal A	Unstabilize	t = year (e.	0.5	years
1	Terminal A	Unstabilize	PM10 = 0.:	0	lbs
1	Terminal A	Soil Handli	u = Wind s	5	mph
1	Terminal A	Soil Handli	m = Moistu	0.25	fraction
1	Terminal A	Soil Handli	T = Mass o	1691.3	tons
1	Terminal A	Soil Handli	PM10 = T >	34.8	lbs
2	Building - :	Concrete F	V = Volum	4625	yd3
2	Building - :	Concrete F	PM10 = 0.(	171.1	lbs
2	Building - :	Material N	sL = Road s	0.1	g/m3
2	Building - :	Material N	Wt. = Mea	32	tons
2	Building - :	Material N	VMT = Veh	3225	miles
2	Building - :	Material N	PM10 = 0.(	29.9	lbs
2	Building - :	Material N	s = Surface	0.043	fraction
2	Building - :	Material N	Wt. = Mea	32	tons
2	Building - :	Material N	VMT = Veh	3325	miles
2	Building - :	Material N	PM10 = 1.!	91.1	lbs
2	Terminal A	Asphalt Dr	A = Area ol	5713.4	m2
2	Terminal A	Asphalt Dr	AR = Applic	1.811	l/m2
2	Terminal A	Asphalt Dr	VD = Volur	0.35	fraction
2	Terminal A	Asphalt Dr	EF = Mass	0.7	fraction
2	Terminal A	Asphalt Dr	D = Densit	1.8	lbs/l
2	Terminal A	Asphalt Dr	VOC = A x	4563	lbs
2	Terminal A	Asphalt Sto	T = Mass o	743.3	tons
2	Terminal A	Asphalt Sto	PM10 = (0	20.4	lbs
2	Terminal A	Asphalt Sto	CO = (0.4 +	297.6	lbs
2	Terminal A	Asphalt Sto	NOx = (0.0	18.6	lbs
2	Terminal A	Asphalt Sto	SOx = (0.0(	3.419	lbs
2	Terminal A	Asphalt Sto	VOC = (0.0	9.217	lbs
2	Terminal A	Material N	s = Surface	0.043	fraction
2	Terminal A	Material N	Wt. = Mea	32	tons
2	Terminal A	Material N	VMT = Veh	3417.2	miles
2	Terminal A	Material N	PM10 = 1.!	93.6	lbs
2	Terminal A	Material N	sL = Road s	0.1	g/m3
2	Terminal A	Material N	Wt. = Mea	32	tons
2	Terminal A	Material N	VMT = Veh	3225	miles
2	Terminal A	Material N	PM10 = 0.(	29.9	lbs
2	Terminal A	Concrete F	V = Volum	2844.4	yd3
2	Terminal A	Concrete F	PM10 = 0.(	105.2	lbs
2	Terminal A	Unstabilize	A = Area af	1.412	acres
2	Terminal A	Unstabilize	TPConv = T	0.5	fraction
2	Terminal A	Unstabilize	CE = Contr	0.63	fraction
2	Terminal A	Unstabilize	t = year (e.	0.5	years
2	Terminal A	Unstabilize	PM10 = 0.:	0	lbs
2	Terminal A	Soil Handli	u = Wind s	5	mph
2	Terminal A	Soil Handli	m = Moistu	0.25	fraction
2	Terminal A	Soil Handli	T = Mass o	1691.3	tons
2	Terminal A	Soil Handli	PM10 = T >	34.8	lbs
3	Access Roa	Asphalt Dr	A = Area ol	4815.9	m2
3	Access Roa	Asphalt Dr	AR = Applic	1.811	l/m2
3	Access Roa	Asphalt Dr	VD = Volur	0.35	fraction
3	Access Roa	Asphalt Dr	EF = Mass	0.7	fraction
3	Access Roa	Asphalt Dr	D = Densit	1.8	lbs/l
3	Access Roa	Asphalt Dr	VOC = A x	3846.3	lbs
3	Access Roa	Asphalt Sto	T = Mass o	626.5	tons
3	Access Roa	Asphalt Sto	PM10 = (0	17.2	lbs
3	Access Roa	Asphalt Sto	CO = (0.4 +	250.9	lbs
3	Access Roa	Asphalt Sto	NOx = (0.0	15.7	lbs
3	Access Roa	Asphalt Sto	SOx = (0.0(	2.882	lbs
3	Access Roa	Asphalt Sto	VOC = (0.0	7.769	lbs
3	Access Roa	Material N	s = Surface	0.043	fraction
3	Access Roa	Material N	Wt. = Mea	32	tons
3	Access Roa	Material N	VMT = Veh	3593.7	miles
3	Access Roa	Material N	PM10 = 1.!	98.4	lbs
3	Access Roa	Material N	sL = Road s	0.1	g/m3
3	Access Roa	Material N	Wt. = Mea	32	tons
3	Access Roa	Material N	VMT = Veh	3225	miles
3	Access Roa	Material N	PM10 = 0.(	29.9	lbs
3	Access Roa	Concrete F	V = Volum	2397.6	yd3
3	Access Roa	Concrete F	PM10 = 0.(	88.7	lbs
3	Access Roa	Unstabilize	A = Area af	1.19	acres
3	Access Roa	Unstabilize	TPConv = T	0.5	fraction
3	Access Roa	Unstabilize	CE = Contr	0.63	fraction
3	Access Roa	Unstabilize	t = year (e.	0.5	years
3	Access Roa	Unstabilize	PM10 = 0.:	0	lbs
3	Access Roa	Soil Handli	u = Wind s	5	mph
3	Access Roa	Soil Handli	m = Moistu	0.25	fraction
3	Access Roa	Soil Handli	T = Mass o	1425.6	tons
3	Access Roa	Soil Handli	PM10 = T >	29.3	lbs
3	Building - :	Concrete F	V = Volum	4625	yd3
3	Building - :	Concrete F	PM10 = 0.(	171.1	lbs
3	Building - :	Material N	sL = Road s	0.1	g/m3
3	Building - :	Material N	Wt. = Mea	32	tons
3	Building - :	Material N	VMT = Veh	3225	miles
3	Building - :	Material N	PM10 = 0.(	29.9	lbs
3	Building - :	Material N	s = Surface	0.043	fraction
3	Building - :	Material N	Wt. = Mea	32	tons
3	Building - :	Material N	VMT = Veh	3325	miles
3	Building - :	Material N	PM10 = 1.!	91.1	lbs
3	Parking Lo	Asphalt Dr	A = Area ol	52674.3	m2
3	Parking Lo	Asphalt Dr	AR = Applic	1.811	l/m2
3	Parking Lo	Asphalt Dr	VD = Volur	0.35	fraction
3	Parking Lo	Asphalt Dr	EF = Mass	0.7	fraction
3	Parking Lo	Asphalt Dr	D = Densit	1.8	lbs/l
3	Parking Lo	Asphalt Dr	VOC = A x	42068.4	lbs
3	Parking Lo	Asphalt Sto	T = Mass o	6852.6	tons
3	Parking Lo	Asphalt Sto	PM10 = (0	187.9	lbs
3	Parking Lo	Asphalt Sto	CO = (0.4 +	2743.8	lbs
3	Parking Lo	Asphalt Sto	NOx = (0.0	171.3	lbs
3	Parking Lo	Asphalt Sto	SOx = (0.0(	31.5	lbs
3	Parking Lo	Asphalt Sto	VOC = (0.0	85	lbs
3	Parking Lo	Material N	s = Surface	0.043	fraction
3	Parking Lo	Material N	Wt. = Mea	32	tons
3	Parking Lo	Material N	VMT = Veh	16618.1	miles
3	Parking Lo	Material N	PM10 = 1.!	455.1	lbs

3	Parking Lo	Material N	sL = Road s	0.1	g/m3
3	Parking Lo	Material N	Wt. = Mea	32	tons
3	Parking Lo	Material N	VMT = Veh	14835	miles
3	Parking Lo	Material N	PM10 = 0.(	137.7	lbs
3	Parking Lo	Concrete F	V = Volum	26223.8	yd3
3	Parking Lo	Concrete F	PM10 = 0.(	970.3	lbs
3	Parking Lo	Soil Handli	u = Wind s	5	mph
3	Parking Lo	Soil Handli	m = Moistu	0.25	fraction
3	Parking Lo	Soil Handli	T = Mass o	15592.5	tons
3	Parking Lo	Soil Handli	PM10 = T >	321	lbs
3	Parking Lo	Unstabilize	A = Area af	13	acres
3	Parking Lo	Unstabilize	TPConv = 1	0.5	fraction
3	Parking Lo	Unstabilize	CE = Contr	0.63	fraction
3	Parking Lo	Unstabilize	t = year (e.	0.5	years
3	Parking Lo	Unstabilize	PM10 = 0.:	0	lbs
3	Terminal A	Asphalt Dr	A = Area of	5713.4	m2
3	Terminal A	Asphalt Dr	AR = Applic	1.811	l/m2
3	Terminal A	Asphalt Dr	VD = Volur	0.35	fraction
3	Terminal A	Asphalt Dr	EF = Mass	0.7	fraction
3	Terminal A	Asphalt Dr	D = Densit	1.8	lbs/l
3	Terminal A	Asphalt Dr	VOC = A x	4563	lbs
3	Terminal A	Asphalt Sto	T = Mass o	743.3	tons
3	Terminal A	Asphalt Sto	PM10 = (0	20.4	lbs
3	Terminal A	Asphalt Sto	CO = (0.4 *	297.6	lbs
3	Terminal A	Asphalt Sto	NOx = (0.0	18.6	lbs
3	Terminal A	Asphalt Sto	SOx = (0.0(	3.419	lbs
3	Terminal A	Asphalt Sto	VOC = (0.0	9.217	lbs
3	Terminal A	Material N	s = Surface	0.043	fraction
3	Terminal A	Material N	Wt. = Mea	32	tons
3	Terminal A	Material N	VMT = Veh	3417.2	miles
3	Terminal A	Material N	PM10 = 1.!	93.6	lbs
3	Terminal A	Material N	sL = Road s	0.1	g/m3
3	Terminal A	Material N	Wt. = Mea	32	tons
3	Terminal A	Material N	VMT = Veh	3225	miles
3	Terminal A	Material N	PM10 = 0.(	29.9	lbs
3	Terminal A	Concrete F	V = Volum	2844.4	yd3
3	Terminal A	Concrete F	PM10 = 0.(	105.2	lbs
3	Terminal A	Unstabilize	A = Area af	1.412	acres
3	Terminal A	Unstabilize	TPConv = 1	0.5	fraction
3	Terminal A	Unstabilize	CE = Contr	0.63	fraction
3	Terminal A	Unstabilize	t = year (e.	0.5	years
3	Terminal A	Unstabilize	PM10 = 0.:	0	lbs
3	Terminal A	Soil Handli	u = Wind s	5	mph
3	Terminal A	Soil Handli	m = Moistu	0.25	fraction
3	Terminal A	Soil Handli	T = Mass o	1691.3	tons
3	Terminal A	Soil Handli	PM10 = T >	34.8	lbs
4	Access Roa	Asphalt Dr	A = Area of	3210.6	m2
4	Access Roa	Asphalt Dr	AR = Applic	1.811	l/m2
4	Access Roa	Asphalt Dr	VD = Volur	0.35	fraction
4	Access Roa	Asphalt Dr	EF = Mass	0.7	fraction
4	Access Roa	Asphalt Dr	D = Densit	1.8	lbs/l
4	Access Roa	Asphalt Dr	VOC = A x	2564.2	lbs
4	Access Roa	Asphalt Sto	T = Mass o	417.7	tons
4	Access Roa	Asphalt Sto	PM10 = (0	11.5	lbs
4	Access Roa	Asphalt Sto	CO = (0.4 *	167.2	lbs
4	Access Roa	Asphalt Sto	NOx = (0.0	10.4	lbs
4	Access Roa	Asphalt Sto	SOx = (0.0(	1.921	lbs
4	Access Roa	Asphalt Sto	VOC = (0.0	5.179	lbs
4	Access Roa	Material N	s = Surface	0.043	fraction
4	Access Roa	Material N	Wt. = Mea	32	tons
4	Access Roa	Material N	VMT = Veh	2396.1	miles
4	Access Roa	Material N	PM10 = 1.!	65.6	lbs
4	Access Roa	Material N	sL = Road s	0.1	g/m3
4	Access Roa	Material N	Wt. = Mea	32	tons
4	Access Roa	Material N	VMT = Veh	2150	miles
4	Access Roa	Material N	PM10 = 0.(	20	lbs
4	Access Roa	Concrete F	V = Volum	1598.4	yd3
4	Access Roa	Concrete F	PM10 = 0.(	59.1	lbs
4	Access Roa	Unstabilize	A = Area af	0.793	acres
4	Access Roa	Unstabilize	TPConv = 1	0.5	fraction
4	Access Roa	Unstabilize	CE = Contr	0.63	fraction
4	Access Roa	Unstabilize	t = year (e.	0.333	years
4	Access Roa	Unstabilize	PM10 = 0.:	0	lbs
4	Access Roa	Soil Handli	u = Wind s	5	mph
4	Access Roa	Soil Handli	m = Moistu	0.25	fraction
4	Access Roa	Soil Handli	T = Mass o	950.4	tons
4	Access Roa	Soil Handli	PM10 = T >	19.6	lbs
4	Building - :	Concrete F	V = Volum	4625	yd3
4	Building - :	Concrete F	PM10 = 0.(	171.1	lbs
4	Building - :	Material N	sL = Road s	0.1	g/m3
4	Building - :	Material N	Wt. = Mea	32	tons
4	Building - :	Material N	VMT = Veh	2580	miles
4	Building - :	Material N	PM10 = 0.(	23.9	lbs
4	Building - :	Material N	s = Surface	0.043	fraction
4	Building - :	Material N	Wt. = Mea	32	tons
4	Building - :	Material N	VMT = Veh	2680	miles
4	Building - :	Material N	PM10 = 1.!	73.4	lbs
4	Parking Lo	Asphalt Dr	A = Area of	35116.2	m2
4	Parking Lo	Asphalt Dr	AR = Applic	1.811	l/m2
4	Parking Lo	Asphalt Dr	VD = Volur	0.35	fraction
4	Parking Lo	Asphalt Dr	EF = Mass	0.7	fraction
4	Parking Lo	Asphalt Dr	D = Densit	1.8	lbs/l
4	Parking Lo	Asphalt Dr	VOC = A x	28045.6	lbs
4	Parking Lo	Asphalt Sto	T = Mass o	4568.4	tons
4	Parking Lo	Asphalt Sto	PM10 = (0	125.3	lbs
4	Parking Lo	Asphalt Sto	CO = (0.4 *	1829.2	lbs
4	Parking Lo	Asphalt Sto	NOx = (0.0	114.2	lbs
4	Parking Lo	Asphalt Sto	SOx = (0.0(	21	lbs
4	Parking Lo	Asphalt Sto	VOC = (0.0	56.6	lbs
4	Parking Lo	Material N	s = Surface	0.043	fraction
4	Parking Lo	Material N	Wt. = Mea	32	tons
4	Parking Lo	Material N	VMT = Veh	11202	miles
4	Parking Lo	Material N	PM10 = 1.!	306.8	lbs
4	Parking Lo	Material N	sL = Road s	0.1	g/m3
4	Parking Lo	Material N	Wt. = Mea	32	tons
4	Parking Lo	Material N	VMT = Veh	9890	miles
4	Parking Lo	Material N	PM10 = 0.(	91.8	lbs
4	Parking Lo	Concrete F	V = Volum	17482.5	yd3
4	Parking Lo	Concrete F	PM10 = 0.(	646.9	lbs
4	Parking Lo	Soil Handli	u = Wind s	5	mph
4	Parking Lo	Soil Handli	m = Moistu	0.25	fraction
4	Parking Lo	Soil Handli	T = Mass o	10395	tons
4	Parking Lo	Soil Handli	PM10 = T >	214	lbs
4	Parking Lo	Unstabilize	A = Area af	8.678	acres
4	Parking Lo	Unstabilize	TPConv = 1	0.5	fraction
4	Parking Lo	Unstabilize	CE = Contr	0.63	fraction
4	Parking Lo	Unstabilize	t = year (e.	0.333	years
4	Parking Lo	Unstabilize	PM10 = 0.:	0	lbs
4	Terminal A	Asphalt Dr	A = Area of	3797.3	m2
4	Terminal A	Asphalt Dr	AR = Applic	1.811	l/m2
4	Terminal A	Asphalt Dr	VD = Volur	0.35	fraction
4	Terminal A	Asphalt Dr	EF = Mass	0.7	fraction
4	Terminal A	Asphalt Dr	D = Densit	1.8	lbs/l
4	Terminal A	Asphalt Dr	VOC = A x	3032.7	lbs
4	Terminal A	Asphalt Sto	T = Mass o	494	tons
4	Terminal A	Asphalt Sto	PM10 = (0	13.5	lbs
4	Terminal A	Asphalt Sto	CO = (0.4 *	197.8	lbs
4	Terminal A	Asphalt Sto	NOx = (0.0	12.4	lbs
4	Terminal A	Asphalt Sto	SOx = (0.0(	2.272	lbs
4	Terminal A	Asphalt Sto	VOC = (0.0	6.126	lbs
4	Terminal A	Material N	s = Surface	0.043	fraction
4	Terminal A	Material N	Wt. = Mea	32	tons
4	Terminal A	Material N	VMT = Veh	2291.1	miles
4	Terminal A	Material N	PM10 = 1.!	62.7	lbs
4	Terminal A	Material N	sL = Road s	0.1	g/m3
4	Terminal A	Material N	Wt. = Mea	32	tons
4	Terminal A	Material N	VMT = Veh	2150	miles
4	Terminal A	Material N	PM10 = 0.(	20	lbs
4	Terminal A	Concrete F	V = Volum	1890.5	yd3
4	Terminal A	Concrete F	PM10 = 0.(	69.9	lbs
4	Terminal A	Unstabilize	A = Area af	0.938	acres
4	Terminal A	Unstabilize	TPConv = 1	0.5	fraction

4	Terminal A	Unstabilize	CE = Contr	0.63	fraction
4	Terminal A	Unstabilize	t = year (e.	0.333	years
4	Terminal A	Unstabilize	PM10 = 0.:	0	lbs
4	Terminal A	Soil Handli	u = Wind s	5	mph
4	Terminal A	Soil Handli	m = Moistu	0.25	fraction
4	Terminal A	Soil Handli	T = Mass o	1124.1	tons
4	Terminal A	Soil Handli	PM10 = T >	23.1	lbs
5	Taxiways	Asphalt Dr	A = Area o	9872.9	m2
5	Taxiways	Asphalt Dr	AR = Applic	1.811	l/m2
5	Taxiways	Asphalt Dr	VD = Volur	0.35	fraction
5	Taxiways	Asphalt Dr	EF = Mass	0.7	fraction
5	Taxiways	Asphalt Dr	D = Densit	1.8	lbs/l
5	Taxiways	Asphalt Dr	VOC = A x	7885	lbs
5	Taxiways	Asphalt Sto	T = Mass o	1284.4	tons
5	Taxiways	Asphalt Sto	PM10 = (0	35.2	lbs
5	Taxiways	Asphalt Sto	CO = (0.4 +	514.3	lbs
5	Taxiways	Asphalt Sto	NOx = (0.0	32.1	lbs
5	Taxiways	Asphalt Sto	SOx = (0.0(	5.908	lbs
5	Taxiways	Asphalt Sto	VOC = (0.0	15.9	lbs
5	Taxiways	Material M	s = Surface	0.043	fraction
5	Taxiways	Material M	Wt. = Mea	32	tons
5	Taxiways	Material M	VMT = Veh	4188.3	miles
5	Taxiways	Material M	PM10 = 1.!	114.7	lbs
5	Taxiways	Material M	sL = Road s	0.1	g/m3
5	Taxiways	Material M	Wt. = Mea	32	tons
5	Taxiways	Material M	VMT = Veh	3780	miles
5	Taxiways	Material M	PM10 = 0.(	35.1	lbs
5	Taxiways	Concrete P	V = Volum	4915.2	yd3
5	Taxiways	Concrete P	PM10 = 0.(	181.9	lbs
5	Taxiways	Unstabilize	A = Area af	2.44	acres
5	Taxiways	Unstabilize	TPConv = T	0.5	fraction
5	Taxiways	Unstabilize	CE = Contr	0.63	fraction
5	Taxiways	Unstabilize	t = year (e.	0.417	years
5	Taxiways	Unstabilize	PM10 = 0.:	0	lbs
5	Taxiways	Soil Handli	u = Wind s	5	mph
5	Taxiways	Soil Handli	m = Moistu	0.25	fraction
5	Taxiways	Soil Handli	T = Mass o	2922.6	tons
5	Taxiways	Soil Handli	PM10 = T >	60.2	lbs

==========

ASSUMPTIONS

Emission factors were developed from the following models:

On-Road Vehicles: MOVES 2010b, revised January 2013

Non-Road Equipment: NONROAD2008a, July 2009

In addition to the overall project size dimensions (e.g., Length and width) provided by the user, an additional 10 ft length and 10 ft width is added to account for disturbance areas.

The number of employees is based on the higher of two methods: (1) number of equipment, and (2) multiply the project cost in million by 11.

The average employee travels 30 miles round-trip from home to construction site each day.

The average on-road material delivery round-trip distance per truck is 40 miles per day.

For calculating fugitive, re-entrained PM emissions from on-road and non-road material delivery and handling equipment, a nominal VMT of 5 miles is used for each vehicle per day.

In deriving emission factors from NONROAD, the horsepower for each equipment represents the most popular in each equipment category.

The total length of each modeled scenario is used to define the number of days associated with vehicle/equipment evaporative emissions.

The choice of location and season are assumed to adequately represent differences in fuel characteristics affecting emissions.

Only two seasons (Summer and Winter) are used to represent all seasons.

14 U.S. Counties are used to represent all other counties in the U.S. (all other counties are mapped to the 14).

The default methods assume that all construction equipment use diesel as well as heavy-duty on-road vehicles, while passenger vehicles (including motorcycles) use gasoline.

Fugitive emissions are only modeled for:

- Asphalt drying
- Asphalt storage and batching
- Concrete mixing/batching
- Soil handling
- Unstabilized land and wind erosion
- Material movement (unpaved roads)
- Material movement (paved roads)

On-Road vehicle speeds are not explicitly modeled. The associated emission factors for each modeled vehicle from MOVES represent averages over the driving cycles, the roadway type, and daily temperature variations.

The default equipment hours-of-use data are developed based on the overall size of the project provided by the user and activity rates based on expert engineering judgment.

Under the Construction Activity Type list (Activity Tab), when a choice between asphalt and concrete materials occurs, asphalt is always selected as default. To choose concrete, de-select the aphalt item and select the corresponding concrete item.

Two trips per day were assumed for each on-road material handling trucks.

Only CO2, CH4, and N2O are used to represent greenhouse gas emissions. Other potential greenhouse gases including air conditioning refrigerants were not included.

The following equipment are always modeled using diesel emission factors since gasoline-based emission factors are not available:

- Asphalt Deliveries/Ten Wheelers
- Bulldozer
- Concrete Ready Mix Trucks
- Concrete Ready Trucks Mix for Cores
- Concrete Truck
- Crack Filler (Trailer Mounted)
- Delivery of Tanks (3)
- Distributing Tanker
- Dozer
- Dump Truck
- Dump Truck (12 cy)
- Excavator
- Excavator for U/G Services/Tanks
- Flat Bed or Dump Trucks
- Flatbed Truck
- Grader
- Grout Wheel Truck
- Hoist Equipment with 40 Ton Rig
- Hydralic Hammer
- Hydroseeder
- Line Painting Truck and Sprayer
- Material Deliveries
- Off-Road Truck
- Pickup Truck
- Scraper
- Seed Truck Spreader
- Small Dozer
- Survey Crew Trucks
- Ten Wheelers
- Ten Wheelers- Material Delivery
- Tool Truck
- Tractor Trailer- Equipment Delivery
- Tractor Trailer- Material Delivery
- Tractor Trailer- Steel Deliveries
- Tractor Trailer- Stone Delivery
- Tractor Trailer- Topsoil & Seed
- Tractor Trailer- Truck Delivery
- Tractor Trailer with Boom Hoist- Curbs Del & Place
- Tractor Trailer with Boom Hoist- Delivery
- Tractor Trailers- Rebar Deliveries
- Tractor Trailers Temp Fac.
- Truck for Topsoil & Seed Del&Spread
- Water Truck
- Excavator with Bucket
- Excavator with Hoe Ram

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APPENDIX J

FEDERAL AVIATION ADMINISTRATION
DOCUMENTATION OF SECTION 106 FINDING OF NO ADVERSE EFFECT
SUBMITTED TO THE COLORADO STATE HISTORIC PRESERVATION OFFICER
PURSUANT TO 36 CFR § 800.5(b) for the
DURANGO-LA PLATA COUNTY AIRPORT TERMINAL PROJECT
LA PLATA COUNTY, COLORADO

1. Description of the Undertaking

The Durango-La Plata County Airport (Airport) is located approximately 14 miles southeast of the Central Business District of Durango in La Plata County, Colorado. The Airport's terminal building, automobile parking area, and terminal apron are unable to accommodate the existing passenger demand due to insufficient size and aging infrastructure. This has resulted in decreased levels of service during peak periods in terms of parking, ticketing, security clearance, departure lounge, and baggage. The level of service for the Airport's overall passenger terminal is estimated to be a "D".

The Airport considered four alternatives in an Environmental Assessment (EA) (Appendix A):

- No Action Alternative
- Alternative 1 – Renovate and Expand Existing Terminal
- Alternative 2 – Construct a New Terminal on the West Side
- Alternative 3 – Construct a New Terminal on the East Side

During the development of the draft EA, the Airport considered Alternative 3 as their proposed action. After the completion of the public comment period on the Draft EA, the Airport decided to select a combination of Alternatives 1 and 2 as their prosed action.

2. Area of Potential Effect

The Area of Potential Effect (APE) is the area within which an undertaking may directly or indirectly affect a historic property or cultural resource. The APE encompasses areas proposed for disturbance and areas with the potential for visual effects (Appendix A).

3. Efforts to Identify Historic Properties

Stratified Environmental and Archaeological Services (Stratified) completed *Cultural Resources Inventory for Phase I of the Durango-La Plata County Airport Master Plan* in December 2014 (previously provided). The Inventory included a file search as well as field work. The field work resulted in the identification and documentation of 14 newly recorded sites (5LP 10796 – 5LP 10809) and 28 isolated finds (5LP 10810 – 5LP 10837). None of the isolated finds were found to be eligible for listing on the National Register of Historic Places (NRHP) given their small size, lack of cultural context, and lack of archaeological depth or further information potential.

The following sites were determined not to be eligible for listing on the NRHP:

- Sites 5LP 10796, 5LP 10797, and 5LP 10801 did not meet any criteria.
- Sites 5LP 10796 and 5LP 10797 lack archaeological integrity and further data potential.
- Site 5LP 10801 is a relatively recent trash dump.
- Site 5LP 10809 extends beyond Airport property. The portion on Airport property was determined to be non-contributing for the portion off Airport property.

Not enough information was known to determine the eligibility of Sites 5LP 10799, 5LP 10800, 5LP 10802, 5LP 10803, 5LP 10805, and 5LP 10807. Sites 5LP 10798, 5LP 10804, 5LP 10806, and 5LP 10808 are recommended as eligible for listing on the NRHP under Criterion D.

Stratified completed the *Evaluative Testing at Six Sites for the Durango-La Plata County Airport Terminal Development Environmental Assessment* in July 2016 (previously provided) to determine the eligibility of the undetermined sites (Sites 5LP 10799, 5LP 10800, 5LP 10802, 5LP 10803, 5LP 10805, and 5LP 10807). Site 5LP 10805 was field recommended as eligible for listing on the NRHP under Criterion D. Sites 5LP 10799, 5LP 10800, 5LP 10802, 5LP 10803, and 5LP 10807 were determined not to be eligible for listing on the NRHP as they lack archaeological integrity or any further, meaningful scientific value.

4. Describe Affected Historic Properties

Site 5LP 10798 is an artifact scatter with features of Early Navajo cultural affiliation (ca AD 1400 to 1780). Three artifact concentration and three features are present on the site. The site represents a seasonal open camp along the northern periphery of the Early Navajo occupation. The site is eligible for listing as Feature 1 contains carbon datable deposits in association with a small but diverse artifact assemblage including diagnostic pottery and a projectile point. The site would likely yield information important to understanding Early Navajo lifeways, among other research domains.

Site 5LP 10804 is an artifact scatter of unknown prehistoric to early historic aboriginal cultural affiliation (ca 9500 BC-AD 1880). Two loci were defined based on artifact distribution, a feature, and ground surface conditions. The site is recommended as eligible due to the gentle depositional landscape position, soil depth, diverse artifact assemblage, thermal feature, and presence of FCR. The site would likely yield information important to understanding aboriginal settlement and abandonment patterns, among other research domains.

Site 5LP 10805 is a possible Ancestral Pueblo artifact scatter dating sometime within late Pueblo II and early Pueblo III period times (ca. AD 1015 to 1155). The site is in relatively good condition with minor disturbances from water erosion, a two-track along the western edge, and a fence line that bisects the eastern side. The site represents a seasonal hunting and gathering open camp. The site is likely to yield additional data important to understanding Ancestral Pueblo lifeways. This site is recommended as eligible as testing confirmed the presence of buried intact cultural deposits.

Site 5LP 10806 is an artifact scatter with features of unknown prehistoric to early historic aboriginal (ca. 9500 BC-AD 1880) and unknown historic (1950s-1960s) cultural affiliation. Aboriginal artifacts are evenly distributed with no recognizable concentrations. The unknown historic component consists of two loci. The site is recommended as eligible for listing for the possibility for intact, subsurface aboriginal cultural deposits given the gentle landscape position, large diverse artifact assemblage, and association with two thermal features. The site would likely yield information important to understanding aboriginal settlement and abandonment patterns, among other research domains. The historic component does not contribute to the qualities of the site that qualify it as a NRHP-eligible cultural property.

Site 5LP 10808 is an artifact scatter with features of unknown prehistoric to early historic aboriginal cultural affiliation (ca. 9500 BC-AD 1880). Artifacts are rather evenly dispersed with no apparent concentrations. The site likely represents a short-term hunting and gathering camp. The site is recommended as eligible given the presence of a carbon datable feature in association with a small but diverse artifact assemblage and buried intact cultural deposits are inferred to be present. The site would likely yield information important to understanding aboriginal settlement and abandonment patterns, among other research domains.

5. Describe the Undertaking's Effects on Historic Properties

All of the eligible for listing on the NRHP sites are located on the eastern and southern side of the Airport. The original proposed action, Alternative 3, had the potential to indirectly impact Sites 5LP 10805 and 5LP 10806. However, the Airport elected to proceed with a combination of Alternatives 1 and 2. Neither of these alternatives will result in any direct or indirect impact to the sites eligible for listing on the NRHP (Sites 5LP 10798, 5LP 10804, 5LP 10805, 5LP 10806, and 5LP 10808).

6. Explain Application of Criteria of Adverse Effect- Include Conditions or Future Actions to Avoid, Minimize or Mitigate Adverse Effects

All of the sites will retain sufficient physical integrity after the proposed project is constructed.

The following table applies the criteria for adverse effect, as stated in 36 CFR § 800.5, to demonstrate that the proposed project will not negatively impact any of the sites:

Examples of Adverse Effect	Yes/No
Physical destruction of or damage to all/part of property	No
Alteration of a property, including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation & handicapped access, that is not consistent with the Secretary's Standards for the Treatment of Historic Properties	No
Removal of the property from its historic location	No
Change of the character of the property's use or physical features within the property's setting that contribute to its historic significance	No
Introduction of visual, atmospheric, or audible elements that diminish the integrity of the property's significant historic features	No
Neglect of a property which causes its deterioration, except where such neglect & deterioration are recognized qualities of a property of religious & cultural significance to an Indian tribe or Native Hawaiian organization	No
Transfer, lease or sale of property out of Federal ownership or control without adequate & legally enforceable restrictions or conditions to ensure long-term preservation of the property's historic significance	No

7. Basis for Finding

The FAA determined that a finding of No Adverse Effect is appropriate for this project. If construction results in the advertent discovery of a significant cultural resource, construction will halt until the SHPO and FAA are notified. The FAA respectfully requests that the SHPO provide written concurrence with this Section 106 finding.

APPENDIX

- Appendix A: Project Figures (proposed project and APE)

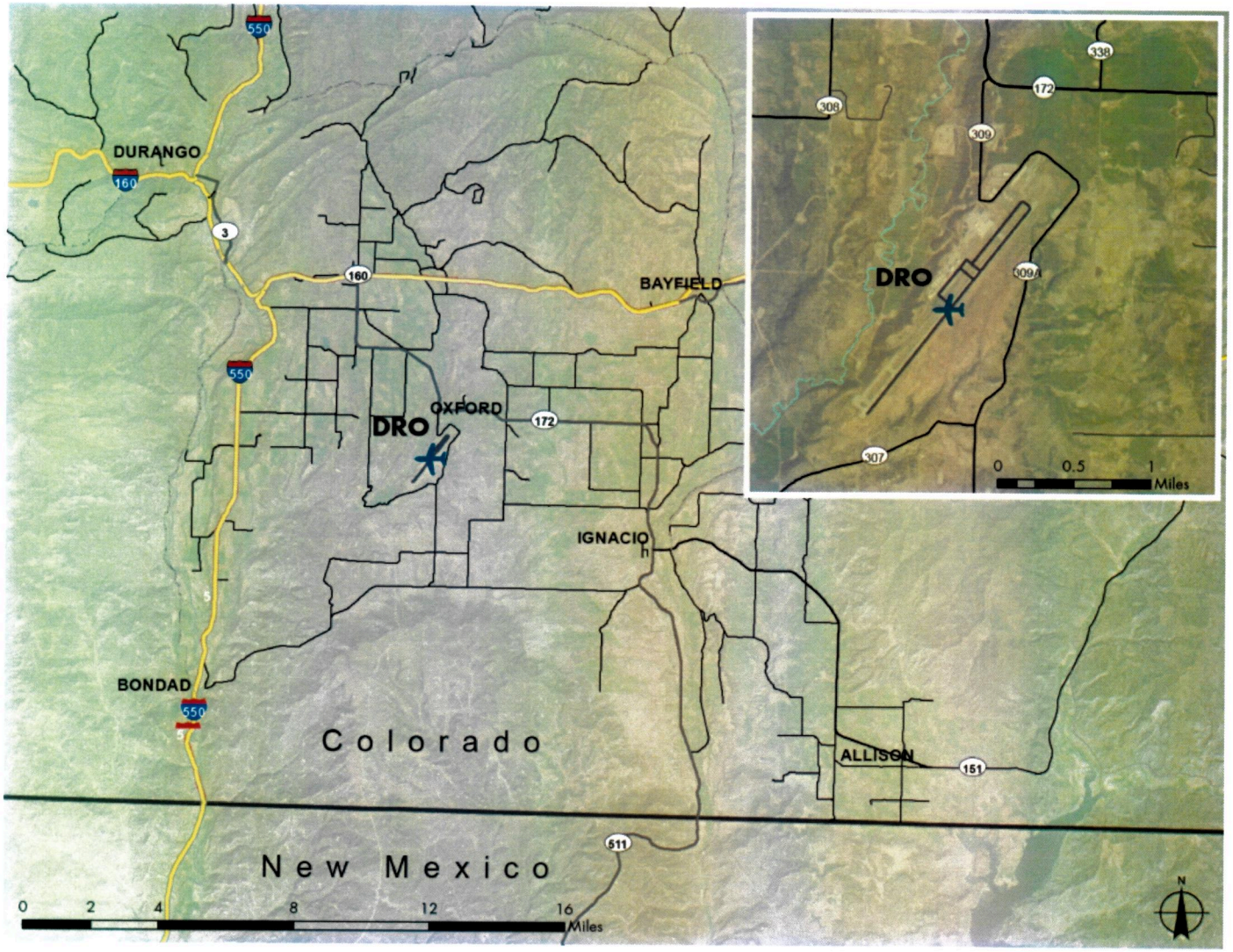
Approved By:

2/26/19

Kandice Krull
Environmental Protection Specialist
Federal Aviation Administration (FAA)
Denver Airports District Office

Date

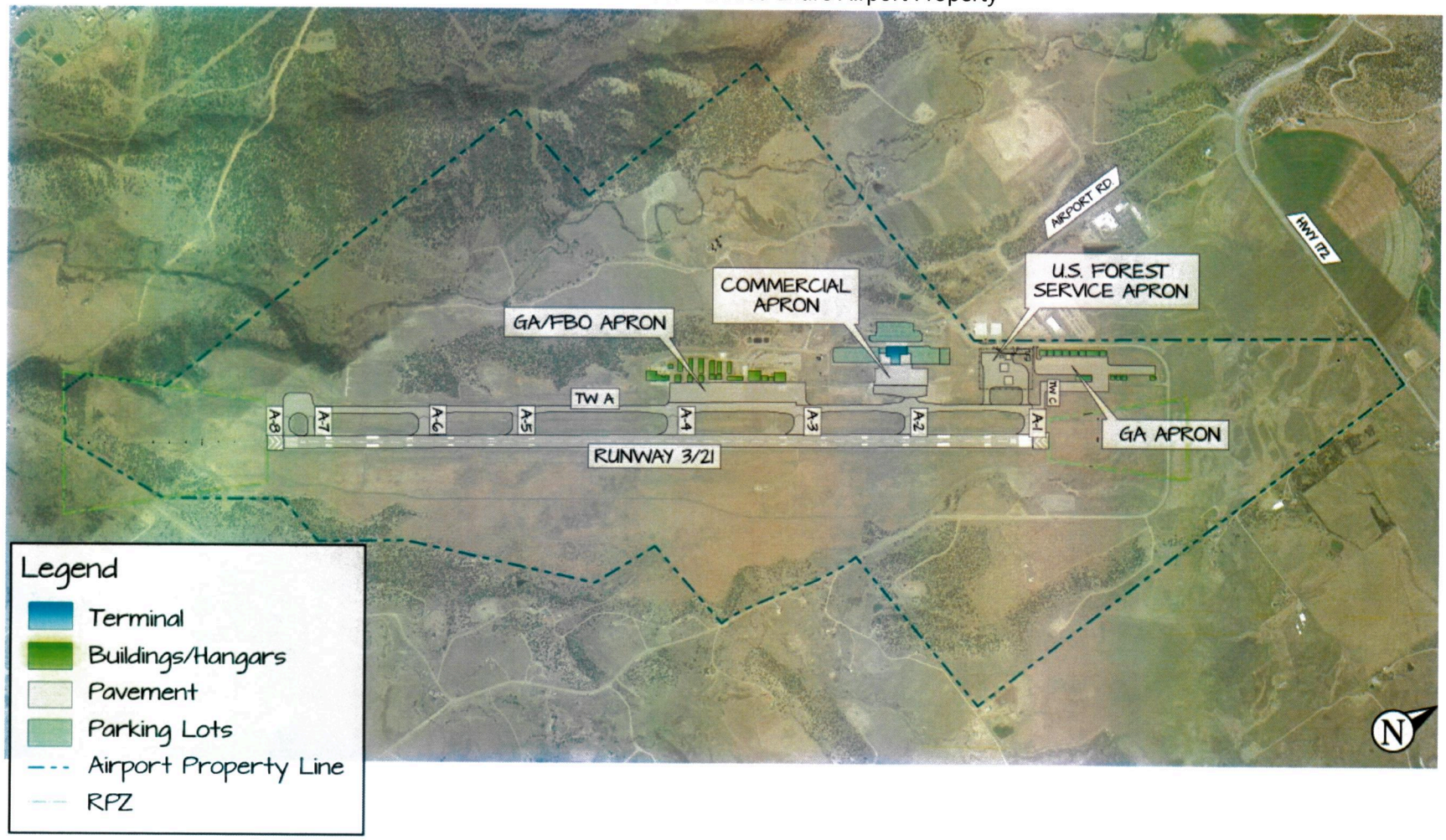
FIGURE 1-1 – LOCATION MAP



Source: Jviation
Note: Not to scale

FIGURE 1-2 – DRO EXISTING LAYOUT

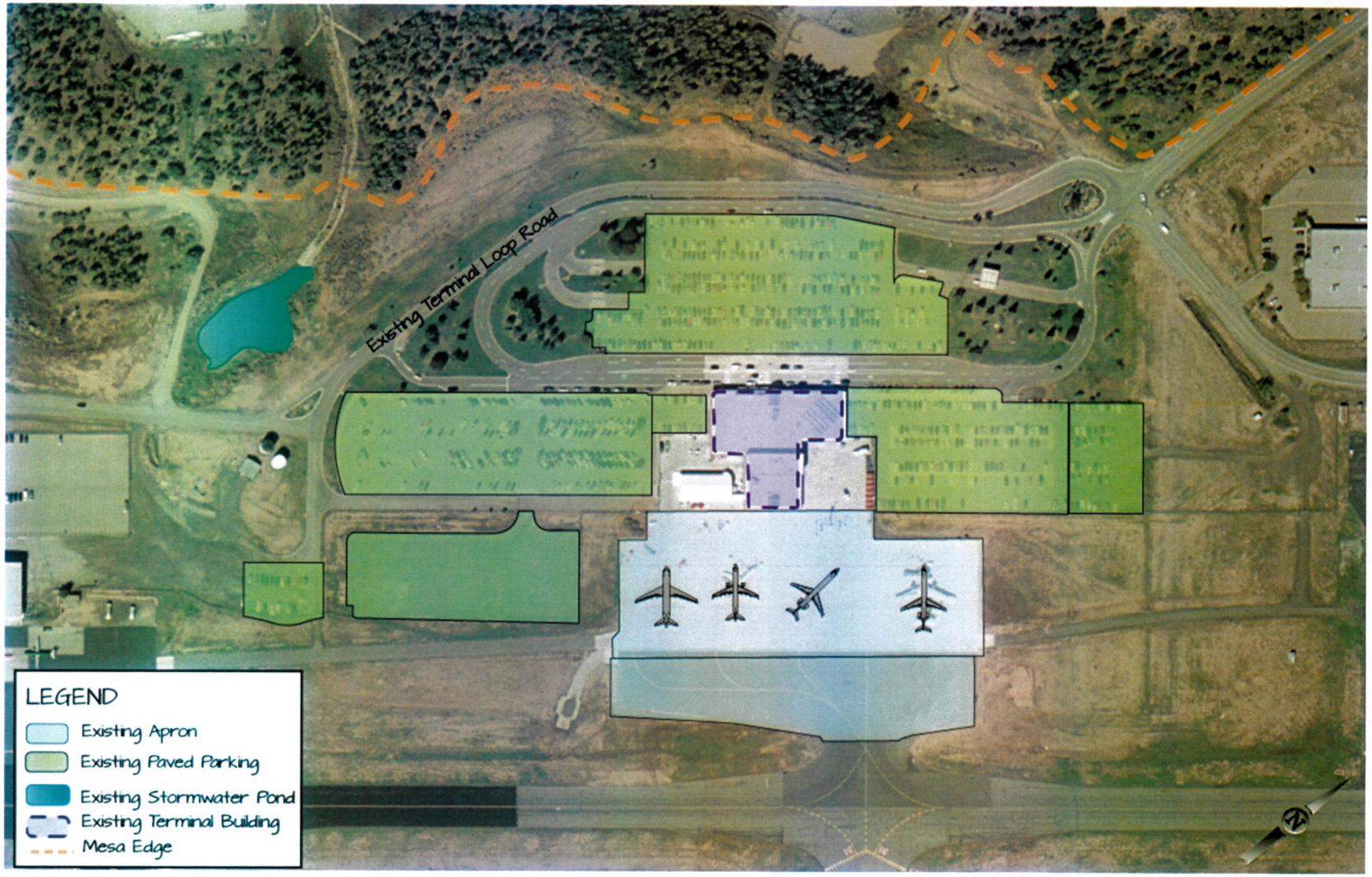
Area of Potential Effect Included Entire Airport Property



Source: Jviation

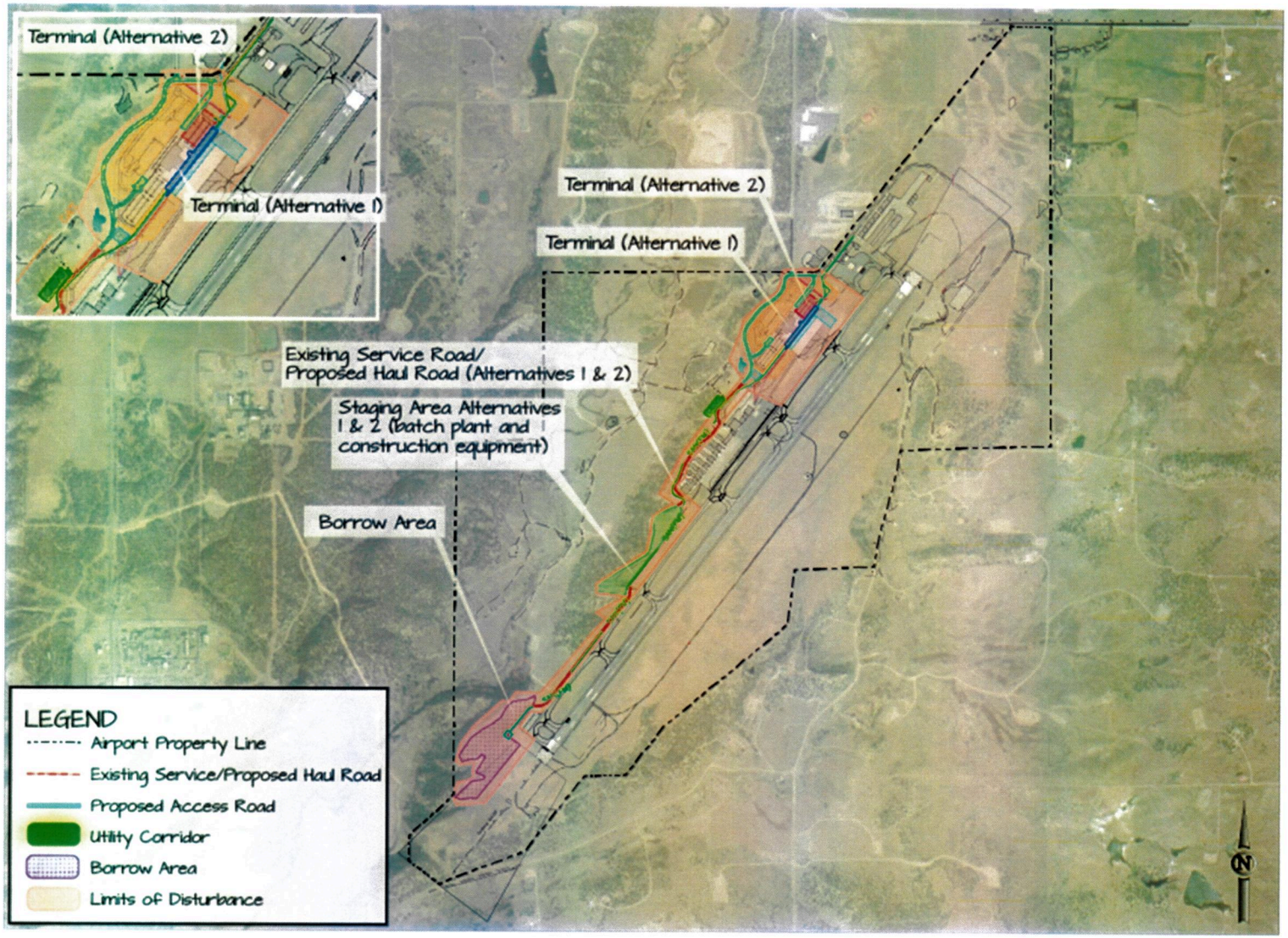
Note: Not to scale

FIGURE 2 – NO ACTION TERMINAL ALTERNATIVE



Source: Jviation, 2016
Note: Not to scale

FIGURE 3-1 – TERMINAL ALTERNATIVES 1 AND 2: LIMITS OF DISTURBANCE

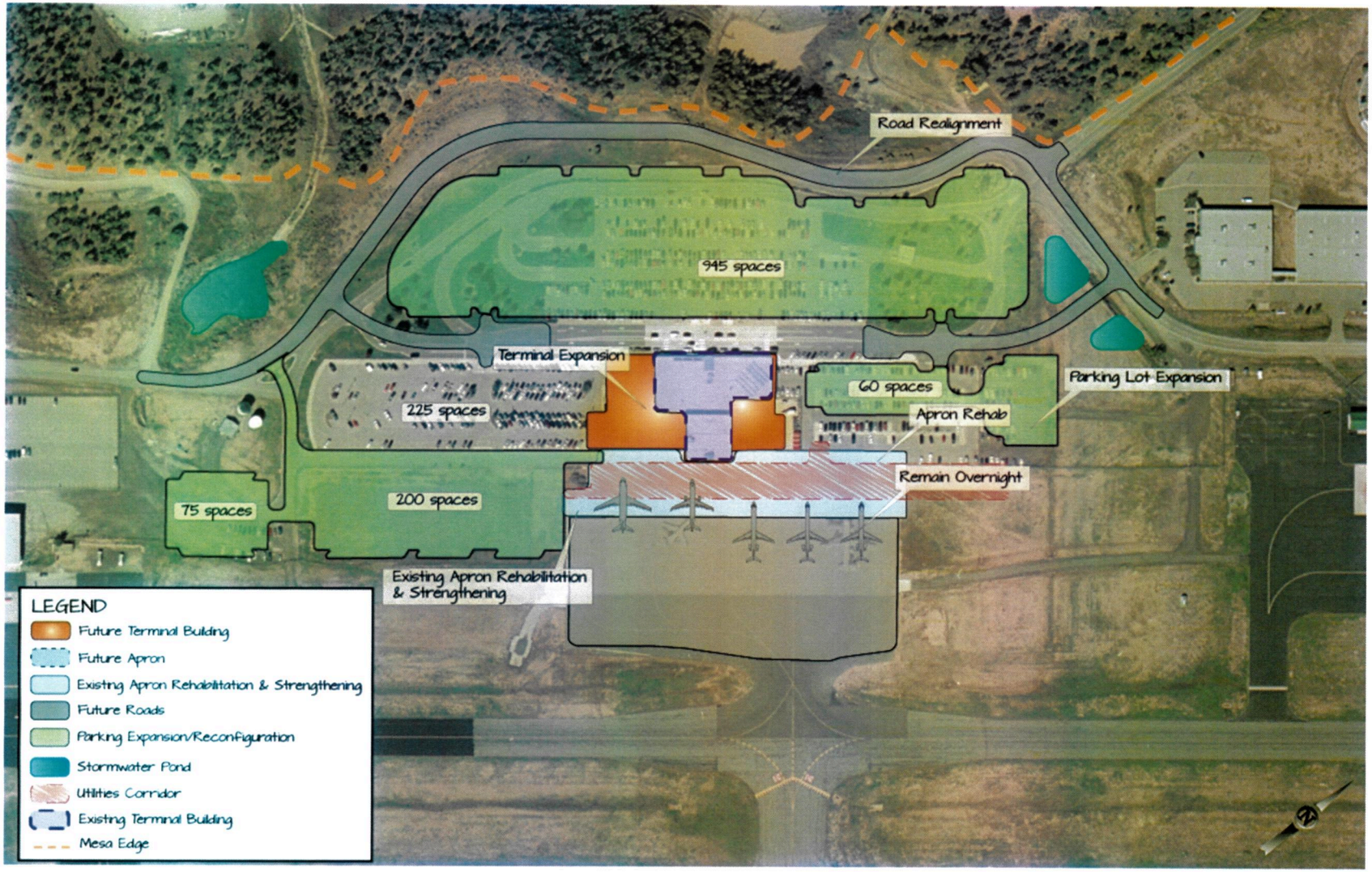


Source: Jviation, 2017

Notes: Apron expansion only applies to Alternative 2

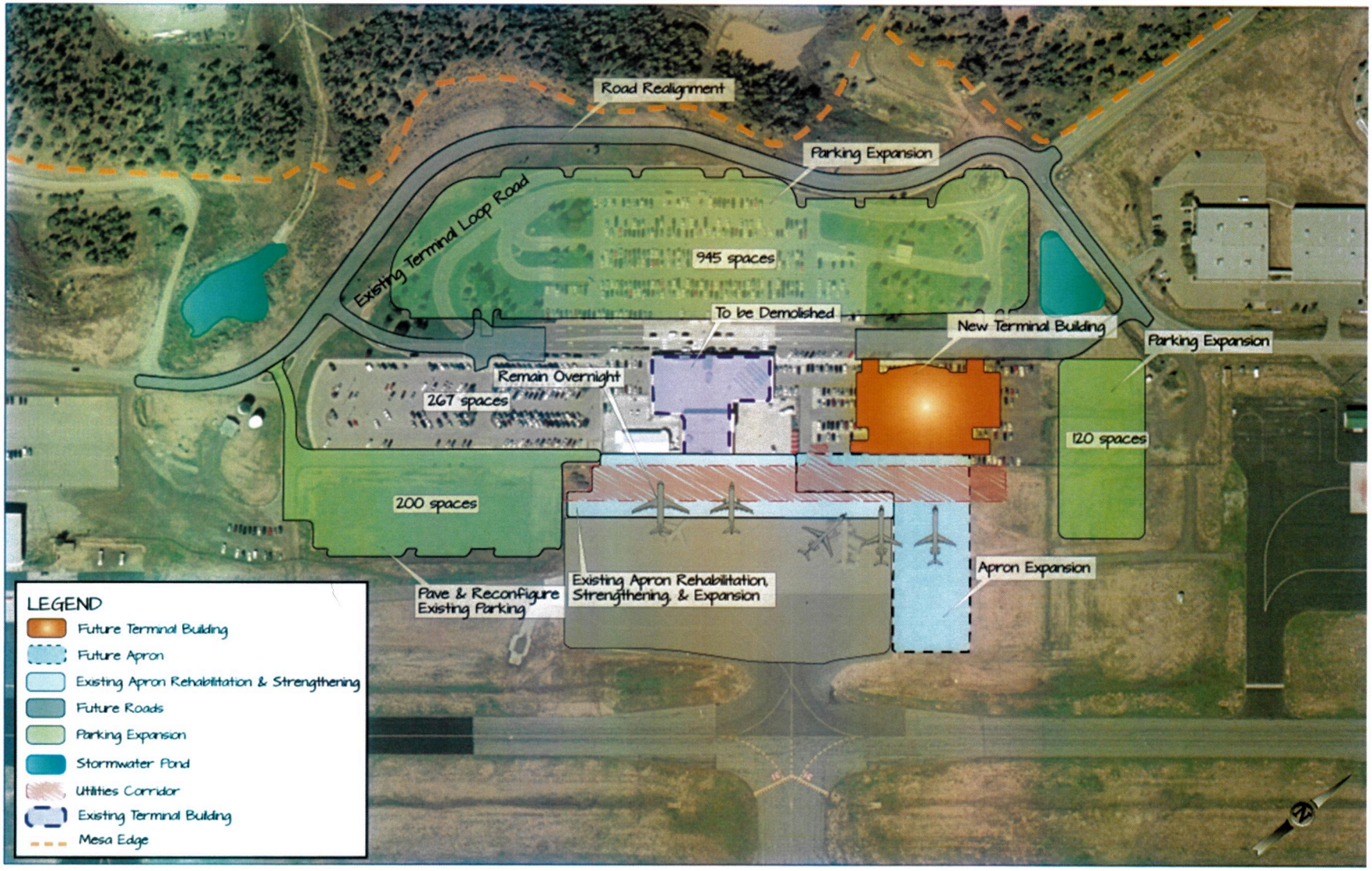
Not to scale

FIGURE 3-2 – TERMINAL ALTERNATIVE 1: RENOVATE AND EXPAND EXISTING TERMINAL



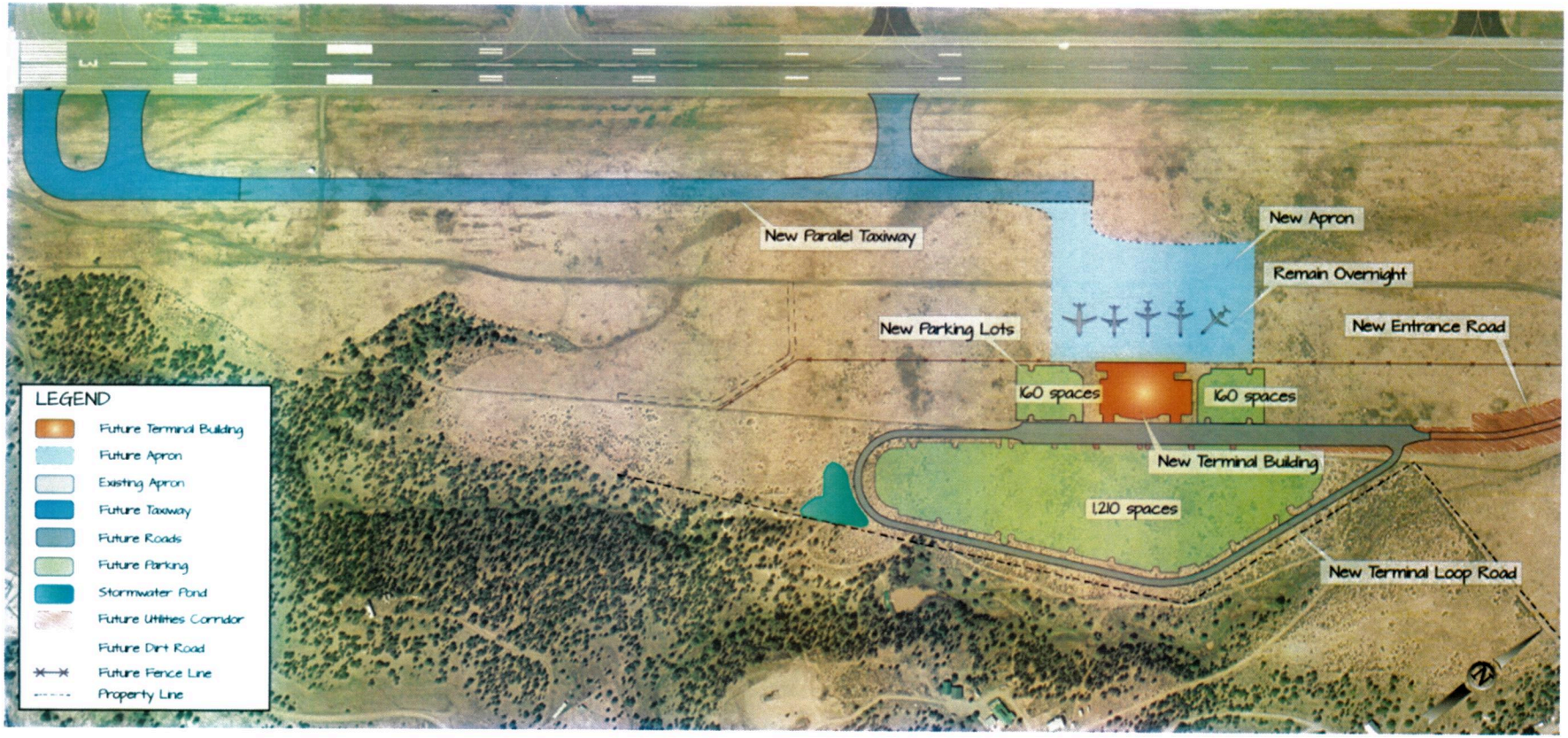
Source: Jviation, 2016
Note: Not to scale

FIGURE 3-3 – TERMINAL ALTERNATIVE 2: CONSTRUCT NEW TERMINAL ON WEST SIDE



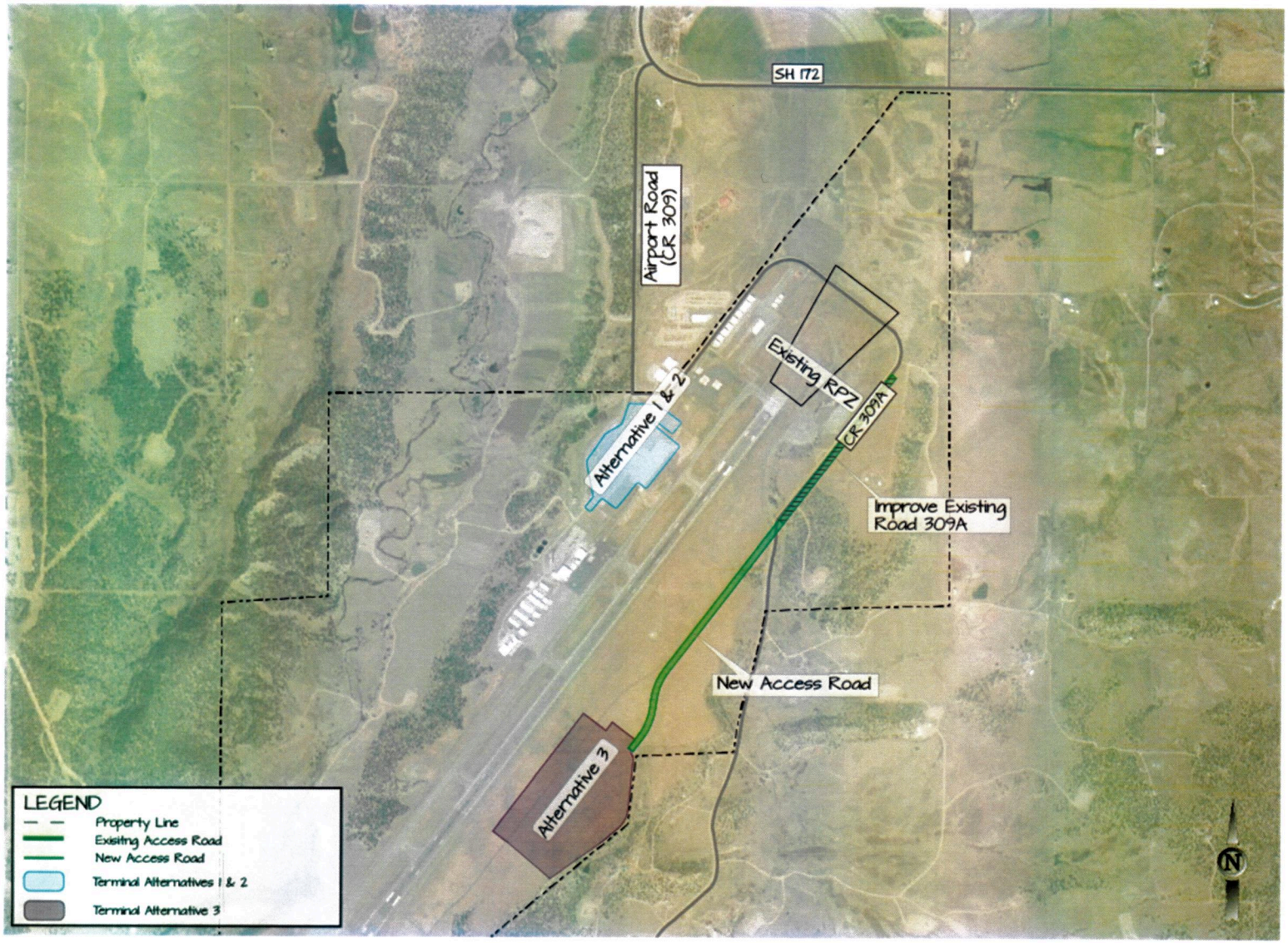
Source: Jviation, 2016
Note: Not to scale

FIGURE 4-1 – TERMINAL ALTERNATIVE 3: CONSTRUCT NEW TERMINAL ON EAST SIDE OF RUNWAY



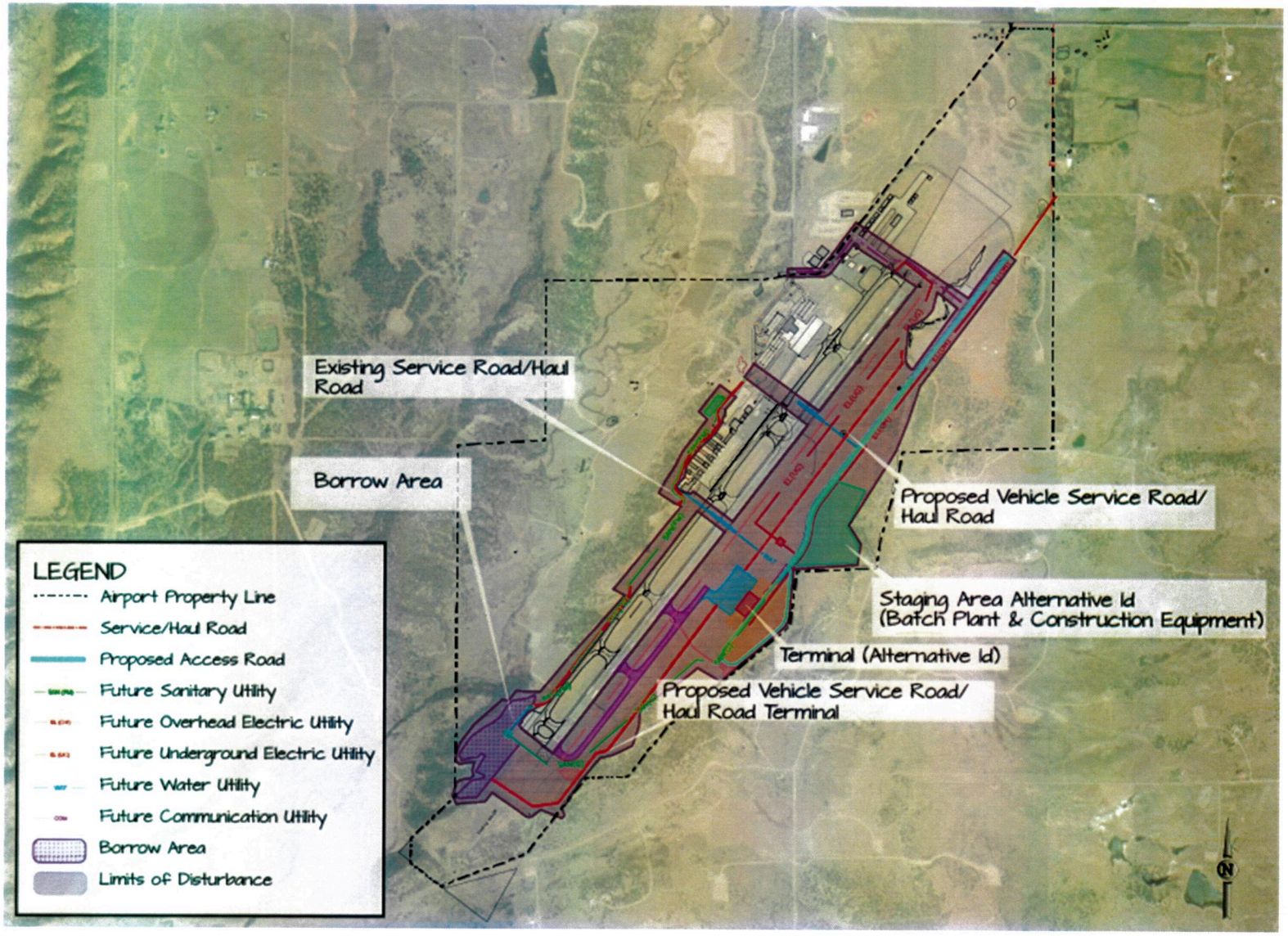
Source: Jviation, 2017
Note: Not to scale

FIGURE 4-2 – TERMINAL ALTERNATIVE 3: AIRPORT ACCESS ROAD

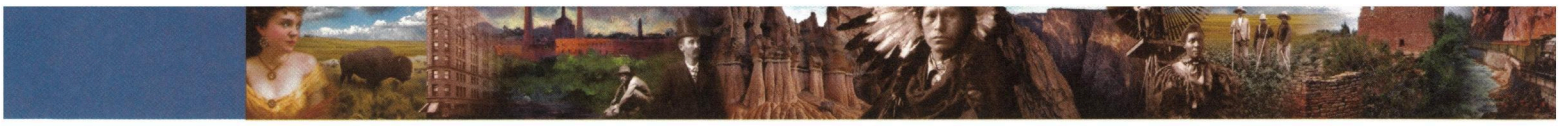


Source: Jviation, 2017
Note: Not to scale

FIGURE 4-3 – TERMINAL ALTERNATIVE 3: LIMITS OF DISTURBANCE



Source: Jviation, 2017
Note: Not to scale



OFFICE *of* ARCHAEOLOGY *and* HISTORIC PRESERVATION

Kandice Krull
Environmental Protection Specialist
Federal Aviation Administration
Northwest Mountain Region
Denver Airports District Office
26805 E 68th Avenue, Suite 224
Denver, Colorado 80249-6361

APR 1 6 2019

Received
APR 19 2019
By:
FAA DEN ADO

Re: Durango-La Plata County Airport Terminal Project (HC #19061)

Dear Ms. Krull:

We received your follow-up correspondence on April 11, 2019 as part of our consultation under Section 106 of the National Historic Preservation Act on the subject undertaking. We also received hard-copy site forms, an additional copy of the survey and testing reports and supporting electronic media from Doug Loebig on April 15, 2019. This information fulfills our documentation needs for this project and we thank you facilitating this request.

As we understand, the purpose of the undertaking is to address aging and inadequate infrastructure by constructing a new terminal building and associated ancillary features. All work is slated to occur north of the existing runway within areas containing previously disturbed soils. We further understand that this project is not anticipated to increase the number or types of flights into the airport but rather is intended to improve the level of passenger service.

Following our review of the documentation provided we concur with your determination that sites 5LP10798, 5LP10804, 5LP10805, 5LP10806 and 5LP10808 are eligible for listing to the National Register of Historic Places (NRHP) under Criterion D. We concur with your determination that site 5LP10809 may be eligible for listing to the NRHP under Criterion D but that additional data is needed to evaluate the portion of the property that extends onto private lands exterior of the airport boundary (and surveyed area); this site should be managed as "need data". We concur that sites 5LP10796, 5LP10797, 5LP10800, 5LP10801, 5LP10802, 5LP10803, and 5LP10807 are not eligible for listing to the NRHP under any criteria. Finally, in addition to site 5LP10809, it appears that site 5LP10799 also extends onto private lands. As site 5LP10799 was only partially evaluated for NRHP significance and integrity, we recommend that it also be considered "need data". In consideration of the location of proposed work and the anticipated effects thereto, we concur with your finding of no adverse effect to historic properties in accordance with 36 CFR 800.5(d)(1).

Should unidentified archaeological resources be discovered in the course of the undertaking, work must be interrupted until the resources have been evaluated in terms of the National Register eligibility criteria (36 CFR 60.4) in consultation with our office pursuant to 36 CFR 800.13. Also, should the consulted-upon scope of the work change please contact our office for continued consultation under Section 106 of the National Historic Preservation Act.

We request being involved in the consultation process with the local government, which as stipulated in 36 CFR 800.3 is required to be notified of the undertaking, and with other consulting parties. Additional information provided by the local government or consulting parties might cause our office to re-evaluate our eligibility and potential effect findings. Please note that our compliance letter does not end the 30-day review period provided to other consulting parties.

Thank you for the opportunity to comment. If we may be of further assistance, please contact Mark Tobias, Intergovernmental Services Manager, at (303) 866-4674, at (303) 866-4674 or mark.tobias@state.co.us.

Sincerely,

Mary Sullivan

for Steve Turner, AIA
State Historic Preservation Officer

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Colorado Ecological Services

IN REPLY REFER TO:
FWS/R6/ES CO

Front Range:
Post Office Box 25486
Mail Stop 65412
Denver, Colorado 80225-0486

Western Slope:
445 W. Gunnison Avenue
Suite 240
Grand Junction, Colorado 81501-5711

TAILS 06E24100-2018-CPA-0005

December, 21, 2018

Kandice Krull
Environmental Protection Specialist
Federal Aviation Administration - Denver Airports District Office

Dear Ms. Krull,

We have reviewed the November 2018 Draft Environmental Assessment for the proposed Durango-La Plata County Airport Terminal Improvement Project. The airport is located 14 miles southeast of Durango, Colorado, and is within the outer boundaries of the Southern Ute Indian Reservation.

Alternatives 1, 2, or a combination of the alternatives appear to have the least impact to the environment and federally listed species. Alternative 3 would move the terminal to the south of the existing terminal and southeast of the runway and would affect undisturbed ground. You stated on the phone on December 20, 2018, that it is likely that a combination of alternatives 1 and 2 will be chosen. These alternatives expand the existing terminal or move it slightly within already disturbed ground.

We appreciate the airports existing pollution control practices and encourage continued and improved measures to manage oil or gas spills or other contaminants to minimize impacts to aquatic and upland resources. We also encourage measures be used to minimize impacts to air quality as much as possible. Furthermore, we appreciate that alternatives 1 and 2 minimize or avoid impacts to wetlands and riparian areas on airport property. This will minimize or avoid effects to the endangered New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) and other species that use these habitats.

If you have questions or comments related to this issue, please contact Terry Ireland at 970-628-7188, or email at: terry_ireland@fws.gov.

Sincerely,

Terry Deland

for Ann Timberman
Assistant Colorado Field Supervisor

U.S. Department
of Transportation
**Federal Aviation
Administration**

Northwest Mountain Region
Denver Airports District Office
26805 East 68th Avenue, Suite 224
Denver, CO 80249-6361

February 28, 2019

Ms. Ann Timberman, Assistant Field Supervisor
US Fish and Wildlife Service
445 West Gunnison Avenue, Suite 240
Grand Junction, CO 81501-5711

Dear Ms. Timberman:

The Federal Aviation Administration (FAA) would like to request informal consultation under the Endangered Species Act for the proposed terminal project (Proposed Project) at theDurango-La Plata County Airport (Airport). The Proposed Project includes the expansion of the terminal building and associated development. Construction is scheduled to begin in next few years.

A Biological Assessment (BA), prepared by the FAA, is enclosed. The BA evaluated the potential project effects on eleven listed species, one proposed for listing species, one candidate species. The FAA made the following effect determinations:

- Canada lynx (*Lynx canadensis*) – **No effect**
- New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) – **May affect, not likely to adversely affect**
- Mexican spotted owl (*Strix occidentalis lucida*) - **No effect**
- Southwestern willow flycatcher (*Empidonax traillii extimus*) - **May affect, not likely to adversely affect**
- Western yellow-billed cuckoo (*Coccyzus americanus*) - **No effect**
- Bonytail chub (*Gila elegans*) – **No effect**
- Colorado pikeminnow (*Ptychocheilus lucius*) – **No effect**
- Humpback chub (*Gila cypha*) – **No effect**
- Razorback sucker (*Xyrauchen texanus*) – **No effect**
- Knowlton's cactus (*Pediocactus knowltonii*) – **No effect**
- Uncompahgre fritillary butterfly (*Boloria acrocnema*) – **No effect**
- North American Wolverine (Gulo gulo luscus) – No Effect
- Schmoll's milkvetch (Astragalus schmolliae) – No effect

The FAA respectfully requests the US Fish and Wildlife Service to provide written concurrence with our effect determinations. If you have any comments, questions, or concerns regarding the analyses and conclusions used to determine the potential effects of the proposed project on ESA resources, or have any questions regarding the project, please do not hesitate to contact me.

Sincerely,

Kandice Krull
Environmental Protection Specialist
Kandice.krull@faa.gov
303-342-1261

Enclosures

Federal Aviation Administration

Memorandum

Date: February 28, 2019

From: Kandice Krull, Environmental Protection Specialist

To: US Fish and Wildlife Service

Subject: Biological Assessment for the Durango-La Plata County Airport Terminal Project

This Biological Assessment (BA) evaluates the potential impacts of the proposed terminal project at the Durango-La Plata County Airport (Airport) on threatened and endangered species protected under the Endangered Species Act of 1973, as amended. Ecosphere completed a Biological Resources Review for the proposed project in October 2014 (previously provided with the Draft EA). Additional site visits were completed in 2016 and 2017 and summarized in the May 2018 Biological Assessment (previously provided with the Draft EA).

1. Description of Listed/Proposed Listed Species within the Action Area

Ecosphere requested an official species list using the USFWS's IPaC system in September 2014 and November 2017. The 2014 list included ten listed species, one species proposed for listing, and one candidate species have the potential to occur within the project area. The 2017 list identified seven listed species and one proposed for listing with the potential to occur in the project area. Species appearing only on one of the two lists requested are noted below.

a. Canada lynx (*Lynx canadensis*) – Threatened (2014 List)
The Canada Lynx is an elusive forest-dwelling cat of northern latitudes. They are found in dense, subalpine forest with willow-lined corridors and avalanche chutes. No suitable forest habitat occurs within or near the project area.

b. New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) - Endangered
The New Mexico meadow jumping mouse (jumping mouse) is dark yellowish brown, dark brown, and grayish-brown on the back, yellowish brown on the sides, and white underneath (Frey 2008, USFWS 2014b). The jumping mouse hibernates 8 or 9 months of the year, and is active only during the summer when it breeds, raises young, and stores sufficient fat reserves to survive the next hibernation period. The preferred habitat is herbaceous emergent wetlands, especially dominated by sedges and broad-leaved forbs. They may also utilize riparian communities containing scrub-shrub wetlands along perennial streams. There is designated critical habitat for this species in La Plata County, however those areas are outside of Airport property.

The jumping mouse occurrence in this portion of La Plata County has been genetically confirmed. Based on these recent surveys, the subspecies has been documented in at least 10 different distinct populations from the Los Piños, Piedra, Florida, Animas, and San Juan River drainages and their tributaries in La Plata County. In 2007, the subspecies was trapped along the Florida River on private property in the study area (Frey 2008; USFWS 2014b). In 2012 and 2013, the subspecies was recorded in Sambrito Creek by Colorado Parks and Wildlife (USFWS 2014b) and during surveys in 2015 (Ecosphere 2016, unpublished data).

In 2016, five individuals were captured and released following USFWS-protocol trapping surveys completed by Ecosphere in the action area. The jumping mouse was detected in habitat along the Florida River west of the airport proper and along an irrigation canal north of the airport proper where a new airport access road was previously proposed.

c. North American Wolverine (*Gulo gulo luscus*) – Proposed Threatened (2017 List)
The wolverine resembles a small bear with a bushy tail. It has a round, broad head; short, rounded ears; and small eyes. The USFWS proposed listing the North American wolverine as threatened in 2013 and 2016 (81 FR 71670). There is no potential for the North American wolverine to be within the project area given no boreal forest or alpine tundra habitats exist in the survey area.

d. Mexican spotted owl (*Strix occidentalis lucida*) - Threatened
The Mexican Spotted Owl has dark eyes, unlike most owls. They are an ashy-chestnut brown color with white and brown spots on their abdomen, back and head. They are found in mature to old growth mixed conifer stands on steep, north-facing slopes with snag and downed wood and canopy closure. Minimum patch size for nesting or roosting is 100 acres. No suitable forest habitat occurs within or near the project area.

e. Southwestern willow flycatcher (*Empidonax traillii extimus*) - Endangered
The Southwestern Willow Flycatcher (flycatcher) is a small bird that winters in Central America and northern South America and breeds in the southwestern United States. Typical breeding habitat consists of dense riparian vegetation along streams and associated wetlands, near or adjacent to surface water that ranges from 0.25 acre to 173 acres in size (Sogge et al. 2010). Current critical habitat for this species is located along the Los Piños River approximately 15 miles northeast of the Airport.

Within the action area, potential habitat occurs for the flycatcher in small patches along the Florida River, along irrigation ditches near CR 309, and by the entrance to the Airport. Habitat is patchy in each of these areas, but meets the USFWS criteria to be considered habitat—the willows are at least 5 feet tall, dense, at least 0.25 acre, and at least 30 feet across in some portions of the habitat patch. Because the patches are small, narrow, and disconnected from other willow habitat, the habitat may be used during migration and less likely for breeding.

In 2012, an individual southwestern willow flycatcher was heard and observed on two occasions (June 19 and 21, 2012) within the airport boundary (near the boneyard) and along the Florida River by an Ecosphere biologist conducting

surveys as part of the Wildlife Hazard Assessment (Ecosphere 2013). Southwestern willow flycatcher generally begin egg laying in mid-May though mid-June (Sogge et al. 2010); therefore, it is unlikely these birds were migrants just passing through the area.

USFWS protocol presence/absence were completed in 2016 and 2017 by permitted biologists from Ecosphere. In 2016, all three habitat patches were surveyed. Two willow flycatchers were detected at the Florida River site during the first survey period (May) approximately 0.5 mile from the airport. Because no other detections occurred at this site during the other protocol surveys, the individual detected on May 30th was considered a migrant. No willow flycatchers were detected at either of the other sites surveys in 2016. In 2017 no willow flycatchers were detected at any of the three sites.

f. Western yellow-billed cuckoo (*Coccyzus americanus*) - Threatened
The Yellow-Billed Cuckoo breeds in river valleys in southern Idaho, southwestern Wyoming, western Colorado, and in Utah (79 FR 59991). It is found in cottonwood forest with dense understory vegetation. No cottonwood gallery forests with adequate understory vegetation occur in the survey area.

g. Bonytail chub (*Gila elegans*) – Endangered (2014 List)
The Bonytail chub was once found in many states (Bonytail Chub, 2014). This fish species experienced the most abrupt decline of any of the long-lived fishes native to the main-stems of the Colorado River system and, because no young individuals have been found in recent years, has been called functionally extinct. If the project were to cause water depletions downstream in the Colorado River, it would affect these species. Species does not have potential to occur in the San Juan River Drainage.

h. Colorado pikeminnow (*Ptychocheilus lucius*) – Endangered
The Colorado pikeminnow is endemic to the Colorado River Basin. Wild, reproducing populations occur in the Green River and Upper Colorado River subbasins of the Upper Colorado River Basin and the San Juan River subbasin (USFWS 2002). May be affected by water depletions from the San Juan River.

i. Humpback chub (*Gila cypha*) – Endangered (2014 List)
The humpback chub is a relatively small fish by most standards – its maximum size is about 20 inches and 2.5 pounds. The pronounced hump behind its head gives this fish a striking, unusual appearance. Populations of humpback chub are found in eight reaches of the Colorado River basin in western Colorado, Utah, and Grand Canyon. The species does not have potential to occur in the San Juan River Drainage.

j. Razorback sucker (*Xyrauchen texanus*) – Endangered
Razorback suckers are long lived fish that inhabits a diversity of areas from mainstream channels to backwaters of medium and large streams or rivers (USFWS 2014). They prefer to live over sand, mud, or gravel bottoms and feed on algae, insect larvae, plankton, and detritus. Found historically throughout the Colorado River Drainage, this fish has become very rare above the Grand Canyon (USFWS 2014). May be affected by water depletions from the San Juan River.

k. Knowlton's cactus (*Pediocactus knowltonii*) – Endangered
Knowlton's cactus is one of the rarest cacti in the United States. Habitat occurs in Piñon-juniper woodland and sagebrush with loamy, gravelly alluvial soils. Although the survey area contains vegetation and cobbles that appear similar, the soil type and geology is different from the known habitat requirements.

l. Schmoll's milkvetch (*Astragalus schmolliae*) – Candidate (2014 List)
Schmoll's milkvetch is among the rarest of Colorado's endemic plant species. It prefers wind-deposited, sandy/gravelly soil on mature piñon-juniper woodland mesa-top and mesa terraces at elevations of 6,790-7,000 feet. Known only from the Mesa Verde area.

m. Uncompahgre fritillary butterfly (*Boloria acrocnema*) – Endangered (2014 List)
Alpine environments above 12,000 feet elevation; host plant is snow willow. Alpine environments do not occur in the survey area.

2. Location

a. Ecoregion Name: Southern Colorado Rocky Mountains and Colorado Plateau
b. County and State: La Plata County, Colorado
c. Latitude and Longitude: Latitude 37°09'01.97"N and Longitude 107°45'10.98"W
d. Distance and direct to nearest town: The Airport is located 14 miles southeast of the City of Durango.

3. Description of Proposed Project

The Airport's terminal building, automobile parking area, and terminal apron are unable to accommodate the existing passenger demand due to insufficient size and aging infrastructure. This has resulted in decreased levels of service during peak periods in terms of parking, ticketing, security clearance, departure lounge, and baggage. The level of service for the Airport's overall passenger terminal is estimated to be a "D".

The Airport considered four alternatives in an Environmental Assessment (EA):

- No Action Alternative
- Alternative 1 – Renovate and Expand Existing Terminal
- Alternative 2 – Construct a New Terminal on the West Side
- Alternative 3 – Construct a New Terminal on the East Side

During the development of the Draft EA, the Airport considered Alternative 3 as their proposed action. After the completion of the public comment period on the Draft EA, the Airport decided to select a combination of Alternatives 1 and 2 as their proposed action.

4. Determination of Effects

The field work and subsequent analysis found that suitable habitat is present for the New Mexico meadow jumping mouse and the southwestern willow flycatcher.

New Mexico Meadow Jumping Mouse

There are no construction activities proposed in jumping mouse occupied habitats. Occupied habitats occur along the Florida River and along the irrigation ditch and association wetlands near Spring Creek. A new airport access road had originally been proposed to cross through the Spring Creek canal and wetland habitats; however, the FAA and the Airport eliminated the new airport access road from the proposed action.

Construction that occurs between May and October near occupied habitat could have potential effects such as short-term avoidance of an area due to noise or human activity. This potential impact however is expected to be minimal as current human activity, traffic, low-flying aircraft, and industrial and agricultural activities in the immediate area have been persistent for years. Expansion of the airport facilities within the current property boundaries are not expected to indirectly affect the jumping meadow mouse due to the distance between proposed facilities expansion areas and occupied habitats. The Florida River habitat is within 1,640 feet of the existing terminal, but well below the mesa top where the proposed facilities expansion would be concentrated. The Spring Creek habitat area is nearly 3,280 feet from the airport property and immediately adjacent to State Highway 172. The proposed action **may affect, is not likely to adversely affect** the New Mexico meadow jumping mouse.

Southwestern Willow Flycatcher

The small sections of suitable flycatcher habitat identified in the action area are not expected to be directly impacted by any facilities expansion activities. There would be no construction activities in any of these small habitat patches. Consequently, no habitat would be lost as a result of developing the proposed action.

Construction activities occurring between May and September could have potential effects to migrating or nesting flycatchers if present. These short-term effects could include avoidance of an area due to noise or human activity, or in the case of nesting flycatchers, nest abandonment. This potential impact is more likely to affect migratory flycatchers, as the small habitat patches are currently only marginally suitable for nesting.

There is the potential that sedimentation or accidental spills or leaks of hazardous materials from the airport property could indirectly affect the quality of potential habitat and the prey base for southwestern willow flycatchers. The Airport will include best management practices during construction to reduce the potential for these spills/leaks. The proposed action **may affect, is not likely to adversely affect** the southwestern willow flycatcher.

a. Listed Listed Species Impacts
   - Canada lynx (*Lynx canadensis*) – **No effect**
   - New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) – **May affect, not likely to adversely affect**
   - Mexican spotted owl (*Strix occidentalis lucida*) - **No effect**
   - Southwestern willow flycatcher (*Empidonax traillii extimus*) - **May affect, not likely to adversely affect**
   - Western yellow-billed cuckoo (*Coccyzus americanus*) - **No effect**
   - Bonytail chub (*Gila elegans*) – **No effect**
   - Colorado pikeminnow (*Ptychocheilus lucius*) – **No effect**
   - Humpback chub (*Gila cypha*) – **No effect**
   - Razorback sucker (*Xyrauchen texanus*) – **No effect**
   - Knowlton's cactus (*Pediocactus knowltonii*) – **No effect**
   - Uncompahgre fritillary butterfly (*Boloria acrocnema*) – **No effect**

b. Critical Habitat
   Project will not impact critical habitat.

c. Proposed/Candidate Species
   - North American Wolverine (*Gulo gulo luscus*) – **No Effect**
   - Schmoll's milkvetch (*Astragalus schmolliae*) – **No effect**

d. Actions to be Implemented to Reduce Potential Adverse Effects
   Construction workers and airport personnel will be given a handout on the New Mexico meadow jumping mouse and the southwestern willow flycatcher. They will be advised to not disturb/harass the bird or areas where either species could be located. Best management practices will be utilized during construction to limit impacts outside of the construction area.

   To comply with the Migratory Bird Treaty Act, a pre-construction nest survey will be conducted by a qualified biologist 7-10 days before the start of construction if construction occurs during breeding season (April 1-August 31). Airport personnel will be notified of the breeding season and advised not to disturb nests during future maintenance activities. If nests are found, the USFWS will be consulted to develop measures to prevent disturbing nests, such as instituting a 100-foot buffer around the nests and/or timing restrictions).

5. Effect Determination and Response Requested

The construction of the terminal will produce some level of physical disturbance effects. Further, future maintenance actions have the potential to result in additional disturbance, though the disturbance isn't expected to be significant and will mainly consist of building/pavement maintenance.

The likelihood of risk to the either the New Mexico meadow jumping mouse or the southwestern willow flycatcher from the proposed project is minor; most of this disturbance will be localized to the immediate area where the work is occurring and is expected to be of limited duration and temporary in nature.

For these reasons, the FAA has determined that the proposed project may affect, but is not likely to adversely affect, both the New Mexico meadow jumping mouse and the Southwestern Willow Flycatcher.

Bonytail Chub. US Fish and Wildlife Service Nevada Fish & Wildlife Office. April 16, 2014. Accessed February 2019.

Ecosphere Environmental Services (Ecosphere). 2013. Durango-La Plata County Airport Wildlife Hazard Assessment Final Report. Prepared for Kip Turner, Director of Aviation, Durango-La Plata County Airport. August 2013. Approved by the Federal Aviation Administration September 3, 2013.

Ecosphere. 2016. New Mexico Meadow Jumping Mouse Surveys on the Southern Ute Indian Reservation. Unpublished data.

Frey, J.K. 2008. Morphology and genetics of the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*). Draft final report submitted to New Mexico Department of Game and Fish, Santa Fe, 12 June 2008. 70 pp. Unpublished document.

Sogge, M.K., D. Ahlers, and S.J. Sferra. 2010. A natural history summary and survey protocol for the southwestern willow flycatcher. U.S. Geological Survey Techniques and Methods, 2A-10. 38p.

USFWS. 2002. The US Fish and Wildlife Service's Colorado Pikeminnow (Ptychocheilus Lucius) Recover Goals: Amendment and Supplement to the Colorado Squawfish Recovery Plan. Denver, Colorado.

USFWS, 2014. The US Fish and Wildlife Service's Razarback Sucker Species Information. Nevada Fish & Wildlife Office.

USFWS. 2014b. Determination of Endangered Status for the New Mexico Meadow Jumping Mouse throughout its Range. Federal Register Vol. 79, No. 111, June 10, 2014.

Federal Register Citations:
58 FR 14248. Final Rule to List the Mexican Spotted Owl as a Threatened Species. November 1991.

68 FR 40076. Endangered and Threatened Wildlife and Plants; Notice of Remanded Determination of Status for the contiguous United States Distinct Population Segment of the Canada Lynx. July 3, 2003.

78 FR 343. Designation of Critical Habitat for Southwestern Willow Flycatcher; Final Rule. January 2013.

79 FR 59991. Endangered and Threatened Wildlife and Plants; Determination of Threatened Status for the Western Distinct Population Segment of the Yellow-billed Cuckoo. October 3, 2014.

81 FR 71670. Endangered and Threatened Wildlife and Plants; Proposed Rule for the North American Wolverine. October 18, 2016.

U.S. Department
of Transportation
**Federal Aviation
Administration**

Northwest Mountain Region
Denver Airports District Office
26805 East 68th Avenue, Suite 224
Denver, CO 80249-6361

February 28, 2019

U.S. FISH AND WILDLIFE SERVICE

☐ NO CONCERNS
☒ CONCUR NOT LIKELY TO ADVERSELY AFFECT
☐ NO COMMENT

3/28/19

WESTERN COLORADO SUPERVISOR (DATE)

Ms. Ann Timberman, Assistant Field Supervisor
US Fish and Wildlife Service
445 West Gunnison Avenue, Suite 240
Grand Junction, CO 81501-5711

Tails# 06E24100- 2019-I-0185

Dear Ms. Timberman:

The Federal Aviation Administration (FAA) would like to request informal consultation under the Endangered Species Act for the proposed terminal project (Proposed Project) at theDurango-La Plata County Airport (Airport). The Proposed Project includes the expansion of the terminal building and associated development. Construction is scheduled to begin in next few years.

A Biological Assessment (BA), prepared by the FAA, is enclosed. The BA evaluated the potential project effects on eleven listed species, one proposed for listing species, one candidate species. The FAA made the following effect determinations:

- Canada lynx (*Lynx canadensis*) – **No effect**
- New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) – **May affect, not likely to adversely affect**
- Mexican spotted owl (*Strix occidentalis lucida*) - **No effect**
- Southwestern willow flycatcher (*Empidonax traillii extimus*) - **May affect, not likely to adversely affect**
- Western yellow-billed cuckoo (*Coccyzus americanus*) - **No effect**
- Bonytail chub (*Gila elegans*) – **No effect**
- Colorado pikeminnow (*Ptychocheilus lucius*) – **No effect**
- Humpback chub (*Gila cypha*) – **No effect**
- Razorback sucker (*Xyrauchen texanus*) – **No effect**
- Knowlton's cactus (*Pediocactus knowltonii*) – **No effect**
- Uncompahgre fritillary butterfly (*Boloria acrocnema*) – **No effect**
- North American Wolverine (Gulo gulo luscus) – No Effect
- Schmoll's milkvetch (Astragalus schmolliae) – No effect

The FAA respectfully requests the US Fish and Wildlife Service to provide written concurrence with our effect determinations. If you have any comments, questions, or concerns regarding the analyses and conclusions used to determine the potential effects of the proposed project on ESA resources, or have any questions regarding the project, please do not hesitate to contact me.

Sincerely,

Kandice Krull
Environmental Protection Specialist
Kandice.krull@faa.gov
303-342-1261

Enclosures

Destination: DRO

Environmental Assessment

Adjacent Landowner
Coordination Kick-Off Meeting
November 4, 2015

JVIATION

Why is an EA necessary and what is the purpose of an EA?

- The National Environmental Policy Act (NEPA) is a procedural law that applies to federal agencies (in this case, the FAA)
- An EA is required to provide informed decision-making by federal agencies through full disclosure and documentation
- It is designed to promote coordination and communication with other parties
- The purpose of the EA is to determine if a project has the potential to significantly affect the environment
- An EA is needed to meet the requirements of NEPA

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Meeting Objectives – we will leave with…

- Awareness of the Master Plan Recommendations (Proposed Action)
- Understanding of the Environmental Assessment (EA) purpose and content
- Familiarity with the EA Process and opportunities for coordination
- Knowledge of the project's next steps

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The EA will…

- Document a purpose and need for the action
- Identify alternatives including the Proposed Action (Master Plan recommendation)
- Analyze the affected environment in its current condition
- Examine the environmental consequences of the Proposed Action along with feasible and prudent alternatives
- Identify mitigation measures

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Identified Landowners

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Master Plan Recommendations

Aviation Activity Forecasts*

Passenger Enplanements Forecast

	2015	2020	2025	2030	2035
Enplanements	205,594	241,427	283,505	332,917	390,941

General Aviation & Military Operations Forecast

	2015	2020	2025	2030	2035
General Aviation Operations	21,475	23,487	25,429	27,528	29,797

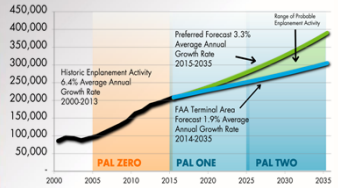
Commercial Operations Forecast

	2015	2020	2025	2030	2035
Commercial Operations	7,965	8,471	9,010	9,583	10,192

Based Aircraft Forecast

	2015	2020	2025	2030	2035
Based Aircraft	72	77	82	87	93

Enplanements: Forecast Range
Annual Enplanements 2015-2035



PAL Zero Identifies a Level of activity that has already been achieved

*2015 enplanements will be less than expected due to Frontier pullout but do not represent a substantial impact to the overall forecast

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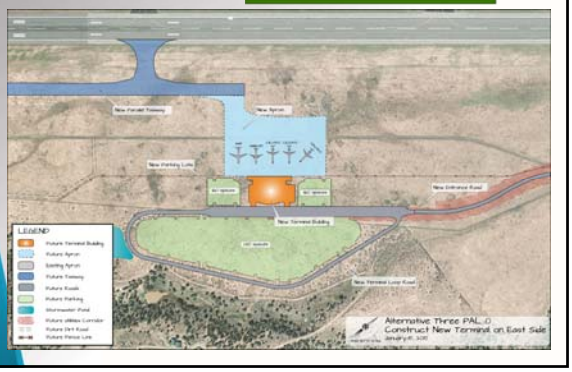
Master Plan Preferred Alternative:

Alternative Three

Construct new terminal complex on east side of airfield



Terminal Facility Requirements

Existing Condition
- **41,500** Square Feet (with tent)
- **263** Peak Hour Enplanements
- **1,100** Parking Stalls
- **4** Aircraft Parking Positions

PAL 0 2015
- **82,100** Square Feet
- **263** Peak Hour Enplanements
- **1,500** Parking Stalls
- **5** Aircraft Parking Positions

PAL 1 2025
- **110,800** Square Feet
- **340** Peak Hour Enplanements
- **1,900** Parking Stalls
- **7** Aircraft Parking Positions

PAL 2 2035
- **137,600** Square Feet
- **425** Peak Hour Enplanements
- **2,400** Parking Stalls
- **9** Aircraft Parking Positions

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Terminal Timeline

Based upon the analysis of needs and the constraints to long-term terminal development in the current terminal location, the best alternative is to relocate terminal facilities to the east side of the airport.

- 2015–2017 Environmental Assessment
- 2018 – 2019 Design
- 2019 – 2021 Construction

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Landside Facility Requirements

Facility	Required to Meet 2035 Need
On-Airport Circulation Roadways	• Enlarge and improve circulation to terminal and parking areas
Terminal Auto Parking	• Add 1,000 surface parking stalls on approx. 13 acres or construct parking garage
Rental Car Parking	• Add 140 spaces during planning period
Employee Parking	• Add 45 spaces during planning period • Pave north lot
Regional Transportation Network	• Improve intersection of County Road 309 and State Highway 172
GA Auto Parking	• No improvements needed

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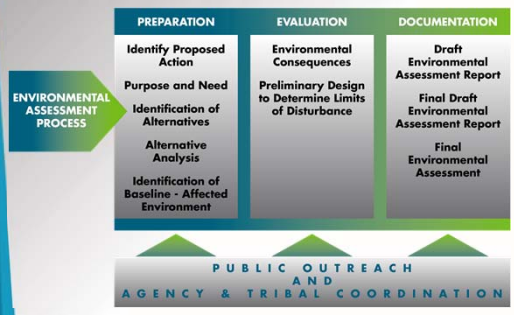
» The Environmental Assessment (EA) Process

EA Process



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The EA will include the following categories per FAA Order 1050.1F…

- Air Quality
- Biological Resources
- Climate
- Department of Transportation, Section 4(f)
- Farmlands
- Hazardous Materials, Solid Waste, Pollution Prevention
- Historic, Architectural, Archaeological & Cultural Resources
- Land Use
- Natural Resources & Energy Supply
- Noise & Compatible Land Use
- Socioeconomics, Environmental Justice, Children's Environmental Health & Safety Risks
- Visual Effects
- Water Resources
- Cumulative Impacts

EA Guidance

- FAA Order 5050.4B, *National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions*
  - Provides clear instructions to fulfill NEPA requirements for airport actions under FAA's authority
- FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*
  - Ensures compliance with –
    - National Environmental Policy Act (NEPA)
    - Council on Environmental Quality (CEQ) regulations
    - Department of Transportation regulations
- FAA 1050.1F Desk Reference
  - Provides explanatory guidance for environmental impact analysis of 15 categories

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Dismissed Categories

The following categories are not found within the study area:

- Coastal Resources
- Floodplains
- Wild and Scenic Rivers

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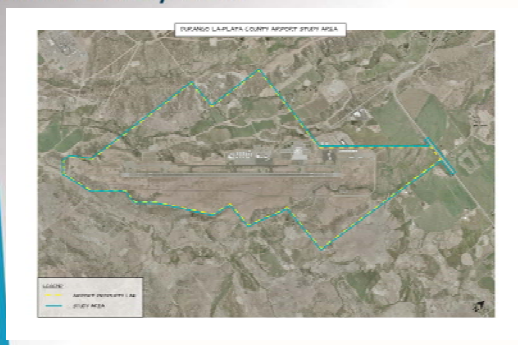
Direct Study Area



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Of specific emphasis at DRO…

- Cultural Resources
- Endangered Species Survey
- Wetlands
- Socioeconomic – Airport Entrance
- Noise Impacts

Southwestern Willow Flycatcher

New Mexico Jumping Mouse

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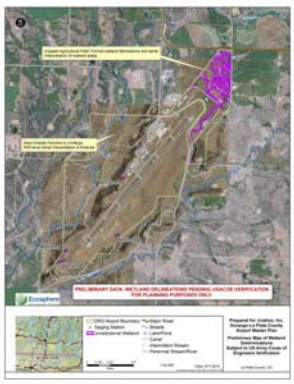
Wetlands



2015 Durango -La Plata County Airport Master Plan, Ecosphere

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» Next Steps

2013 Noise Contours

2015 Durango -La Plata County Airport Master Plan, KB Environmental Sciences

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Coordination is key throughout the process…

- Over the next two years, a series of meetings and coordination will be occur with:
  - Adjacent Landowners
  - City of Durango
  - Colorado Department of Transportation – Access Management, Environmental Program, Aeronautics
  - Colorado Parks & Wildlife
  - Federal Aviation Administration
  - LaPlata County – Administration, Historic Preservation, Planning, Public Works
  - Southern Ute Indian Tribe and other Indian tribes
  - State Historic Preservation Office
  - Town of Ignacio
  - U.S. Army Corps of Engineers
  - U.S. Fish and Wildlife Service
  - U.S. Environmental Protection Agency
  - And others as identified through the process

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Alternative Components –

- New or redeveloped terminal building
- New or expanded terminal parking
- Partial parallel taxiway (east side alternative only)
- Utility improvements
- New or realigned terminal loop road
- Borrow site
- New Airport entrance road from SH 172 – this will be analyzed separately from the terminal development

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Outreach Efforts

- Coordination Meetings
- Community Open Houses
- Airport Tours
- Virtual City Hall
- Social Media
- Airport Advisory Commission
- Joint Study Sessions with Elected Officials
- Public Hearing

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Social Media – Project Information

DESTINATION DRO WEBSITE:
www.flydurango.com
Select *Airport Environmental Assessment* for project related documents

VIRTUAL CITY HALL:
www.durangogov.org/virtualcityhall

TWITTER:
https://twitter.com/DROAirport

FACEBOOK:
www.facebook.com/DROAirport

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Questions, Comments, Concerns???

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Project Schedule

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» Thank You!

Kip Turner, DRO Director of Aviation
kip.turner@durangogov.org
970.382.6051

Colleen Cummins, Project Manager
colleen.cummins@Jviation.com
720.544.6508

Next Steps – November 2015 to January 2016

- Initiation of Purpose & Need Chapter and documentation of Alternatives
- Tribal coordination
- Documentation of baseline data including noise and air analysis
- On-going Agency Coordination

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Environmental Assessment – Adjacent Land Owner Meeting Minutes

Date: November 4, 2015 – 6:30 PM
Location: Durango-La Plata County Airport (DRO) Conference Room
AIP Project: Environmental Assessment
Subject: Coordination Kick-Off Meeting

In Attendance:

Mary Anne Alexander
Byron J. Alexander
Jennfier Brann
Jerrid Brann
Linda Dalton
Kevin Hronich
Billie Huston
Jaren Jacbson
Jolene McCaw
Allen McCaw
Meghan McCaw
Paul McCaw (McCaw Cattle)
Jerry McCaw
Steven Thibodeaux
Craig Williams
Martha Nelson

Airport Staff

Kip Turner
Tony Vicari
Lise MacArthur

Airport Commission

Rich Bechtolt

Consulting Team

Colleen Cummins, Jviation

1. Welcome/Opening Comments

Colleen Cummins opened the meeting by welcoming and thanking everyone for attending. She introduced herself and her affiliation with Jviation – DRO's consultant. Jviation has been working with DRO, the City, and the County on the Master Plan since mid-2013 as well as engineering projects. Colleen asked everyone to introduce themselves.

The purpose of the meeting was to introduce the upcoming terminal project to adjacent land owners as we move through the environmental process. Colleen noted that the Environmental Assessment was recently kicked-off and it is important to discuss the project with land owners, agencies, and other involved parties at start. Meetings were held earlier today with the Southern Ute Indian Tribe and other agency representatives.

Colleen reviewed the meeting objectives:

- Awareness of the Master Plan Recommendations (Proposed Action)

- Understanding of the Environmental Assessment (EA) purpose and content
- Familiarity with the EA process and opportunities for coordination
- Knowledge of the project's next steps

2. Purpose of Environmental Assessment (EA)

Colleen noted that the National Environmental Policy Act (NEPA) is a procedural law that applies to federal agencies (in this case the Federal Aviation Administration (FAA)). The EA is required to meet NEPA guidelines and provide informed decision making by federal agencies. The overall purpose is to determine if the proposed project would significantly impact the environment.

She also explained that the EA would identify a purpose and need based upon the information contained in the current Master Plan and that alternatives reviewed and analyzed in the Master Plan would be carried forward into the EA.

3. Master Plan Recommendations

A brief overview of the Master Plan recommendations was given by Colleen including the approved aviation forecast, facility requirements, and the Master Plan's preferred alternative – construct new terminal on east side of airfield. This would also include other infrastructure such as apron and taxiway development, on-airport circulation, auto parking, rental car parking, and employee parking. She continued by stating based upon the analysis completed as part of the Master Plan and the coordination effort completed that DRO, the Airport Commission, Planning Advisory Commission (PAC), Consultant (Jviation), County, and City decided this was the best alternative to move forward for long-range plans.

However, it was emphasized that going into the environmental process, reasonable alternatives will be evaluated as well – including renovating existing building and constructing a new terminal on the west side. Other options were considered during the Master Plan but deemed not feasible for a number of reasons (see Master Plan page at www.flydurango.com for additional details).

A brief review of the terminal timeline was given detailing the EA (2015 – 2017), design (2018-2019), and construction (2019-2021) durations.

Questions from meeting participants:

a. How was the preferred alternative selected in the Master Plan without going through the environmental process?

   The Master Plan included quite a bit of environmental baseline data – wetland survey, endangered species survey, hazardous materials, cultural resource survey, and noise and air quality analyses. These initial surveys did not indicate that a significant impact would occur with the alternatives considered. The NEPA process reviews the environmental impact at a much deeper level.

b. So three alternatives are being evaluated in the EA?

Yes, the three build alternatives from the Master Plan will be carried forward into the EA, as well as a No Action alternative. The next meeting will include a detailed review of the alternatives.

c. Will CDOT be involved in the EA process?

Yes, both the Aeronautic Division of CDOT and Road Division will be included in the process.

4. Environmental Assessment Process

Colleen explained the EA process from preparation through documentation and that we were currently in the preparation phase – Purpose and Need, Identification of Alternatives, Alternative Analysis, and Affected Environment. Public outreach, agency, and tribal coordination will occur throughout the process and as the process advances it is typical for additional groups to become involved.

Field work associated with the affected environment portion won't begin until April due to weather related issues. Impacts will be reviewed following field work, surveys, and preliminary design.

A figure was shown detailing the direct study area for the EA. This study area includes the entire airport boundary, as well as the portion of State Highway 172 that may be included as part of a new airport entrance. An indirect study area is also included as part of the process which includes adjacent property owners such as those in attendance.

A brief overview of impact categories was reviewed and an explanation given for those that will be briefly discussed and dismissed – coastal resources, floodplains, and wild and scenic rivers – as not present within the study areas. Areas of focus include wetlands, cultural resources, endangered species, noise, and secondary/socioeconomic based upon data gathered during the Master Plan.

Colleen noted that wetland impacts were unavoidable due to the extent of wetlands located north of the runway, in the area where the new entrance road is proposed. Additional wetland survey work is included in this EA as is coordination with the U.S. Army Corps of Engineers.

Cultural resources sites were identified during the Master Plan process. These areas will be further evaluated to determine their eligibility for the National Register of Historic Places (NRHP) and tribal importance. Extensive coordination with tribes is included as part of the EA.

Potential habitat for two endangered species was also identified during the Master Plan. The EA includes additional field surveys to determine if the species are located within the project boundaries.

Questions from meeting participants:

d. Why is the study area including a T-shaped area along Highway 172?

The new entrance would require improvements such as turn lanes along 172.

e. Would impacts to livestock and county roadways be included in the assessment?

Livestock impact is not a specific category within the EA but other impact categories such as Socioeconomic and Secondary review potential impacts to adjacent property owners, businesses, roads, etc. For example, a traffic study is included as part of the process to analyze existing and future demand. The information will be used to analyze potential impacts to surrounding properties and roads.

Please see the supplemental answers document for further discussion.

f. If the terminal would be relocated to the east side would there be visual impacts to properties on that side due to light?

An architectural sub-contractor, RS&H, is on the team to analyze this area.

Please see the supplemental answers document for further information.

g. If 40 acres of pavement are added to airport, how will stormwater runoff be addressed?

Per state/federal regulations, runoff quantities cannot increase. Design of the additional paved areas will include something, i.e. detention area, to prevent an increase in runoff. This will be evaluated during the preliminary design element of the EA.

h. Would the proposed airport entrance road go through the wetland area on the north?

Yes, the new road alignment would impact those wetlands.

i. Will water drainage be changed by a new road? Will water still run east as it always has?

Constructing the new road will require the need to construct proposed drainage features such as culverts to allow the conveyance of drainage underneath the road. Consequently, the water will still drain to the east.

j. During construction of 309A some properties lost their wells that had been servicing their house for 30 plus years and had to drill new wells. Concerned that the new entrance road will impact the recharge area of their wells.

Impacts to water quality and ground water are considered as part of the EA document and any impacts to existing wetlands, streams, etc. would be mitigated. Drainage from existing areas would be reviewed during preliminary design.

k. As part of the Master Plan process, a study reviewed the location of raptor roosting areas and nests and noted that the large trees used for roosting could be removed to prevent roosting in the future. Would like to know U.S. Fish and Wildlife's thoughts.

A copy of the Biological Resource survey will be sent to the USFWS per their request during today's earlier meeting and coordination with the agency will be on-going throughout the EA process and documented in the report.

l. Is our involvement in this process important?

Yes, it certainly is important. The EA process is meant to be an open and transparent process. Input from the public, as well as agencies, is taken into consideration throughout the duration of the process.

m. Is this EA appealable or non-appealable? It has to be determined up front and made clear to the public as it is my understanding per the U.S. Forest Service NEPA process that if you become involved early and sign your name you have a better seat during the appeal or objection period.

Unsure of this process and have not experienced working with the FAA. The U.S. Forest Service may use a different process to meet NEPA regulations. Colleen will coordinate with FAA for clarification.

Please see the supplemental answers document for further discussion.

n. Are decreasing property values considered in the EA? And if not, what process does?

Unfortunately, the NEPA process does not consider impacts to property values as part of the process.

o. Who is funding these studies (Master Plan and Environmental Assessment) and why are we paying for these studies if tax payers haven't voted on the project (i.e. to spend $140 million)?

The FAA, CDOT, and DRO funded the Master Plan and are funding the EA process. The FAA requires a Master Plan to be completed to determine an airport's needs over the next 20 years and the EA is necessary to determine if any significant environmental impacts would occur from specific development items.

Airport funds used to pay for studies and projects come from user fees and not tax payer dollars.

The proposed development is estimated to cost approximately $85 million when built, of which between $35 and $40 million will be requested from the community.

The entire 20-year buildout is estimated at approximately $131 million. However, it is important to keep in mind that future development will only occur when needed which may be more than 20 years.

Please see the supplemental answers document for further discussion.

p. Concern that by the time the terminal is built it will already be five years out of date because project was scaled back to meet current demand.

The Master Plan took a 20-year and beyond view when the preferred alternative was selected. Consequently, the east side was selected as it best meets the long-term development of the airport and community as the airport is a community asset. Therefore, the project was scaled back to make it affordable for today's needs with the intent of expanding in the future without having to ask the community for additional dollars.

q. How are impacts that have already occurred being addressed? Irrigated land has been impacted. Are you going to look back at the airport's impact over the past 20 years?

As part of the process the document will include a section called "Cumulative Impacts". This section reviews projects and their impacts from the prior three years and future five years in conjunction with the projects included in the current EA to ensure a significance threshold is not passed.

r. How will access drives be replaced when they are overrun by the new road off of 172? Will we still have our driveways?

The EA will include preliminary design to look at your access.

s. Won't the increased use of the airport and the larger aircraft lead to more noise?

A noise analysis will be completed as part of the EA process. It will look at existing (2015) operations and future (design plus 5 years) operations (aircraft type and number of operations). As noise, based upon FAA's guidelines, is not currently an issue at the Airport, it is not anticipated to be an issue in the future.

t. We're tired of the military aircraft operations at night. Are the military branches involved in the EA process? Are their future plans for airport use going to be included in this document?

All users of the Airport are welcome to participate in the process; but the military is not specifically contacted for involvement.

Please see the supplemental answers document for further discussion.

u. Was relocating the airport considered? Could we move to Red Mesa?

The FAA has invested a significant amount of funding into the current airport and it would require their approval to move it to a new location. It has been done in the past but very rarely and for extenuating circumstances that could not be overcome in the airport's current location. Relocating Durango's airport is not a feasible alternative as it has a significant amount of

useable infrastructure and room to expand. Constructing a new airport on a greenfield site would not be feasible due to the amount of environmentally impacts and costs.

v. A parking garage was considered on the west side in the Master Plan. How can that be? The prior airport manager told me that from the center of the runway out there are height restrictions. How many miles away is this parking lot going to be?

Yes, there are height restrictions and the further away from the runway the higher a structure can be. It is best to think of it as a football stadium – the runway is the field and the imaginary surfaces controlling height climb out and up as does stadium seating.

Please see the supplemental answers document for further discussion.

w. How much land does the airport own on the west side down toward the south?

Colleen and Kip demonstrated on aerial photo in room.

Please see the supplemental answers document for further discussion.

x. In the EA process, it is quite apparent that constructing a building on the west side of the runway is going to have far less environmental consequences than distributing new ground. How will that be weighed against the Master Plan decision in the EA?

The NEPA process does not solely evaluate the amount of disturbance; rather, it has to do with the amount of impact to the identified categories and whether or not those impacts are considered significant. Significance thresholds by category are identified in the FAA's Order 1050.1F, Environmental Impacts: Policies and Procedures.

Consequently, although there may be more disturbances with one alternative over the others, if a threshold is not surpassed, i.e. impacts can be mitigated, and that alternative best meets the purpose and need then it would be allowed to move forward as the preferred alternative in the EA.

So in relation to DRO, if some of the cultural resources sites on the east side are found to be eligible for the National Register of Historic Places that does not mean the alternative cannot move forward. The objects would be removed from the site and the proper mitigation process followed thus not crossing a significance threshold.

y. But you've already impacted the west side. If you tear the existing building down and build a new one you've already impacted this side of the runway. You've already impacted one of those thresholds right off the bat. Am I looking at that wrong?

The EA looks beyond disturbed versus undisturbed property on the airport – it includes the 'need' and the reason behind why it should move. It goes back to the planning process - the long-term

viability of the airport and the growth of the airport. The reason the east side was selected as the preferred alternative was because when you look 20 years and beyond the west side will not accommodate the projected needs. Eventually a portion of the airport – terminal, general aviation development, U.S. Forest Service - will have to move to the east side.

z. I heard from a county commissioner that they were going to sell portions of airport property and make a golf ball factory, etc.

There are no plans to sell airport property. The FAA needs to approve any sale or release of designated airport property per federal guidelines. Portions of the airport can be leased for non-aeronautical development but it also needs to be FAA approved.

Please see the supplemental answers document for additional information.

aa. Would sewer need to be moved or expanded?

The treatment system would remain on the west side regardless of which alternative is selected. Per the analysis completed as part of the Master Plan, the system would require expansion in future years. However, the initial development would not require an expansion.

bb. Where would the water come from for the new terminal? Dig new wells?

No, DRO has existing water rights that would meet the needs of the new terminal.

5. Next Steps

Colleen reviewed the project schedule, noting the EA is slated for approximately two years. The timeframe is subject to coordination with agencies, review, and agency and public comment. Four public open houses are scheduled with two being held on the same day at different times and locations to give the community a better opportunity to attend. From now until January 2016, portions of the document will be drafted (Introduction, Purpose and Need, and Alternative Analysis); tribal coordination conducted, and some baseline data will be done including existing noise and air quality analyses. The field work (wetland, endangered species, and culture resources) cannot happen until the weather becomes warmer (April/May 2016).

6. Additional Comments from Participants

- I think all the people in this room feel the preferred alternative was a foregone conclusion the minute you put those three options out there. It never seemed like the other two options were given serious consideration. The Master Plan writing is biased and is tries to persuade the public into doing one thing over the other. It seems like the other two were red herrings all along, it was always to build this big master plan on the other side and we feel like we're being steamrolled over and misinformed.

- The prior airport manager ran the airport for 20 years and he wasn't even invited to the Master Plan meetings because they don't like him, the commissioners don't like him or whatever. He had lots of ideas to make the airport serviceable for us, for our community, and those ideas were washed under the rug.
- Airlines come and go, we are such a small market we have no effect on the bottom line for United or Frontier or Southwest. Business men in this area think if we build it we're going to get new service and more flights but we know for a fact that's not going to happen, there's no guarantee.
- At the end of the day, none of us can really control this process. We don't feel that we have any real say. It's happening whether we like it or not.
- The money that's come in every time, - who gets the money? It sure isn't the county, the farm people or the people living here… It's the newcomers that come in take all their profits and run.

Environmental Assessment – Adjacent Land Owner – Supplemental Answers

Date: November 4, 2015 – 6:30 PM
Location: Durango-La Plata County Airport Conference Room
AIP Project: Environmental Assessment
Subject: Coordination Kick-Off Meeting

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e. Would impacts to livestock and county roadways be included in the assessment?

Livestock impacts are not a specific category within the EA. However, impacts to water resources, air quality, noise, etc. are included which all relate to the well-being of people and property (including livestock) within the study area.

Also secondary impacts are considered and evaluated as part of the process. A traffic study is included as part of this analysis to gain an understanding of existing and future demand at these intersections: State Highway (SH) 172 and County Road (CR) 309; CR309 and CR309A; and SH 172 and CR338. The information will be used to analyze potential impacts to surrounding properties and roads.

f. If the terminal would be relocated to the east side would there be visual impacts to properties on that side due to light?

An architectural sub-contractor, RS&H, is on the team to review light emissions and visual resources/visual character.

The light emission analysis includes the following:

- *The degree to which the building would create annoyance or interference with normal activities and flight procedures from light emissions.*
- *The degree to which the building would affect the visual character of the area due to light emissions, including the importance, uniqueness, and aesthetic value of the affected visual resources.*

The visual resources/visual character analysis includes the following:

- *The extent to which the building would have the potential to affect the nature of the visual character of the area, including the importance, uniqueness, and aesthetic value of the affected visual resources.*
- *The extent to which the building would have the potential to contrast with the visual resources and/or visual character in the study area.*

- *The extent to which the building would have the potential to block or obstruct the views of visual resources and whether these resource would still be viewable from other locations.*

m. Is this EA appealable or non-appealable? It has to be determined up front and made clear to the public as it is my understanding per the U.S. Forest Service NEPA process that if you become involved early and sign your name you have a better seat during the appeal or objection period.

Jviation coordinated with the FAA's environmental specialist, Kandice Krull. Kandice clarified that per FAA regulations an EA may be challenged after the finding is issued by the FAA. However, there is no appeal or objection period during the study.

o. Who is funding these studies (Master Plan and Environmental Assessment) and why are we paying for these studies if tax payers haven't voted on the project (i.e. to spend $140 million)?

The FAA, CDOT, and DRO funded the Master Plan and are funding the EA process. The total project cost is approximately $1 million. The Federal Aviation Administration (FAA) issued a grant for approximately $900,000 through the FAA Airport Improvement Program (AIP). The program requires a 10 percent local match. This match is being funded by a Colorado Department of Transportation (CDOT) grant and DRO.

Users of our air transportation system (including people shipping packages, private pilots, airline passengers and corporate aircraft users) pay for the costs of developing the United States' National Airspace System and a portion of public use airports. Similar to the national highway system, much of airports' infrastructure is paid for with user taxes on airline tickets, air freight, and aviation fuels.

Typically, federal funding is provided by the Federal Aviation Administration's (FAA) Airport Improvement Program (AIP) and state funding from the Colorado Department of Transportation (CDOT), Division of Aeronautics. AIP funds are derived from taxes on national and international travel, air cargo taxes, and noncommercial aviation fuel which are deposited in the federal aviation trust fund for the purpose of improving the nation's aviation infrastructure. Ultimately, the airport users fund the local share for improvements through rent, fees, passenger facility charges and purchases at Durango-La Plata County Airport.

t. We're tired of the military aircraft operations at night. Are the military branches involved in the EA process? Are their future plans for airport use going to be included in this document?

All users of the airport are welcome to participate in the process; but the military is not specifically contacted for involvement.

Military operations were included as part of the Master Plan analysis (including noise) but were not taken into consideration for terminal size/planning. Since the EA is evaluating the expansion and possible relocation of the terminal, military operations and future plans are not considered.

It is recommended that neighbors write letters to the military branches to explain their concerns and requests for reduced operations at night. Airport staff cannot restrict military operations as it is a public use airport and the military has the right to utilize the facility as do others.

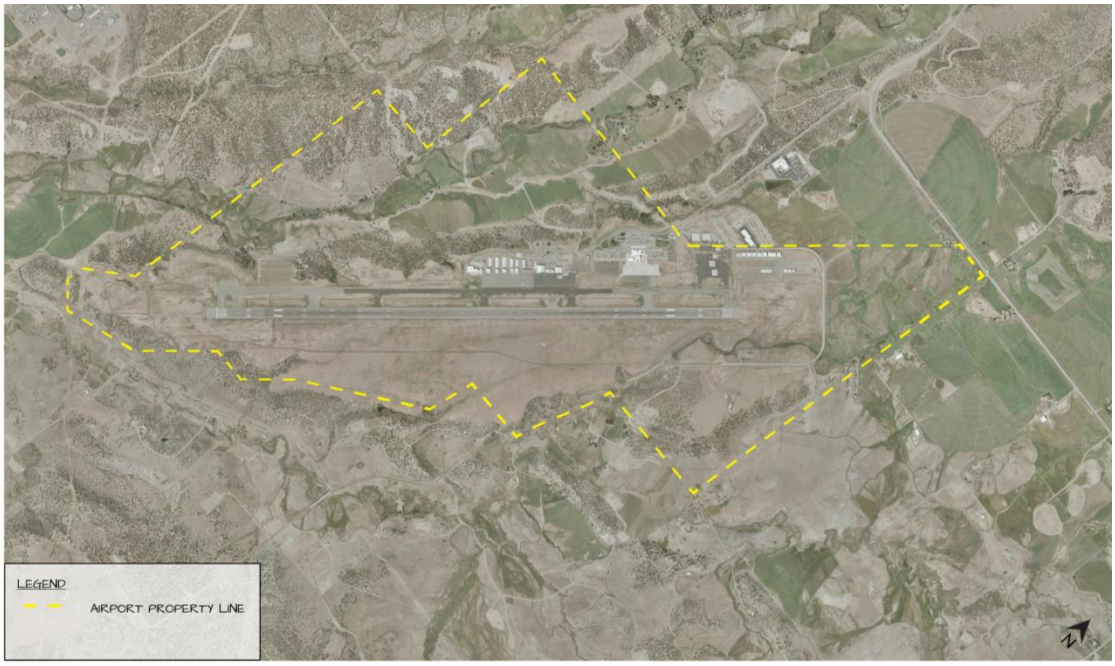
v. A parking garage was considered on the west side in the Master Plan. How can that be? The prior airport manager told me that from the center of the runway out there are height restrictions. How many miles away is this parking lot going to be?

Yes, there are height restrictions and the further away from the runway the higher a structure can be. The Code of Federal Regulations - 14 CFR Part 77, Safe, Efficient Use, and Preservation of the Navigable Airspace, is the guiding document for airports – http://www.ecfr.gov/cgi-bin/text-idx?rgn=div5&node=14:2.0.1.2.9

The parking garage would be three stories, provide parking for 1,000 vehicles, and located within the existing main parking area footprint.

w. How much land does the airport own on the west side down toward the south?

The figure below illustrates DRO's property boundary.



z. I heard from a county commissioner that they were going to sell portions of airport property and make a golf ball factory, etc.

Airport owners or sponsors that have accepted funds from the FAA through airport financial assistance programs are bound by obligations (assurances). These assurances require recipients to maintain and operate their facilities safely and efficiently and in accordance with specified conditions. Use of land, release of land, and acquisition of land are Included as part of these assurances. Consequently, DRO cannot simply sell land for non-aeronautical development at their will.

Additional information may be found here: http://www.faa.gov/airports/aip/grant_assurances/

Destination: DRO

Environmental Assessment

Southern Ute Indian Tribe
Coordination Kick-Off Meeting
November 4, 2015

JVIATION

The EA will…

- Document a purpose and need for the action
- Identify alternatives including the Proposed Action (Master Plan recommendation)
- Analyze the affected environment in its current condition
- Examine the environmental consequences of the Proposed Action along with feasible and prudent alternatives
- Identify mitigation measures

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Meeting Objectives – we will leave with…

- Awareness of the Master Plan Recommendations (Proposed Action)
- Understanding of the Environmental Assessment (EA) purpose and content
- Familiarity with the EA Process and opportunities for coordination
- Knowledge of the project's next steps

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Master Plan Recommendations

Why is an EA necessary and what is the purpose of an EA?

- The National Environmental Policy Act (NEPA) is a procedural law that applies to federal agencies (in this case, the FAA)
- An EA is required to provide informed decision-making by federal agencies through full disclosure and documentation
- It is designed to promote coordination and communication with other parties
- The purpose of the EA is to determine if a project has the potential to significantly affect the environment
- An EA is needed to meet the requirements of NEPA

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Aviation Activity Forecasts*

Passenger Enplanements Forecast

	2015	2020	2025	2030	2035
Enplanements	205,594	241,427	283,505	332,917	390,941

Commercial Operations Forecast

	2015	2020	2025	2030	2035
Commercial Operations	7,965	8,471	9,010	9,583	10,192

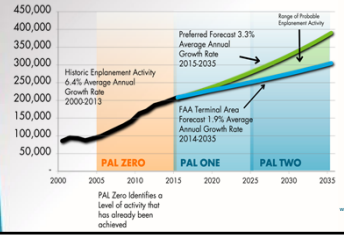
General Aviation & Military Operations Forecast

	2015	2020	2025	2030	2035
General Aviation Operations	21,475	23,487	25,429	27,528	29,797

Based Aircraft Forecast

	2015	2020	2025	2030	2035
Based Aircraft	72	77	82	87	93

Enplanements: Forecast Range
Annual Enplanements 2015-2035



PAL Zero Identifies a level of activity that has already been achieved

*2015 enplanements will be less than expected due to Frontier pullout but do not represent a substantial impact to the overall forecast

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Terminal Facility Requirements

Existing Condition
- **41,500** Square Feet (with tent)
- **263** Peak Hour Enplanements
- **1,100** Parking Stalls
- **4** Aircraft Parking Positions

PAL 0 2015
- **82,100** Square Feet
- **263** Peak Hour Enplanements
- **1,500** Parking Stalls
- **5** Aircraft Parking Positions

PAL 1 2025
- **110,800** Square Feet
- **340** Peak Hour Enplanements
- **1,900** Parking Stalls
- **7** Aircraft Parking Positions

PAL 2 2035
- **137,600** Square Feet
- **425** Peak Hour Enplanements
- **2,400** Parking Stalls
- **9** Aircraft Parking Positions

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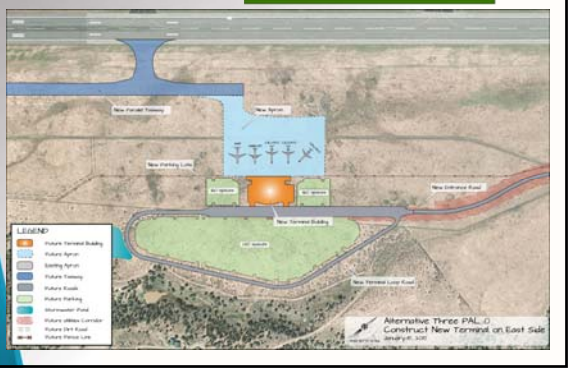
Master Plan Preferred Alternative:

Alternative Three

Construct new terminal complex on east side of airfield



Landside Facility Requirements

Facility	Required to Meet 2035 Need
On-Airport Circulation Roadways	• Enlarge and improve circulation to terminal and parking areas
Terminal Auto Parking	• Add 1,000 surface parking stalls on approx. 13 acres or construct parking garage
Rental Car Parking	• Add 140 spaces during planning period
Employee Parking	• Add 45 spaces during planning period • Pave north lot
Regional Transportation Network	• Improve intersection of County Road 309 and State Highway 172
GA Auto Parking	• No improvements needed

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Terminal Timeline

Based upon the analysis of needs and the constraints to long-term terminal development in the current terminal location, the best alternative is to relocate terminal facilities to the east side of the airport.

- 2015–2017 Environmental Assessment
- 2018 – 2019 Design
- 2019 – 2021 Construction

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Technical Observations on Terminal Needs

Per Industry Standards:

- DRO is projected to add 1.9% to 3.3% additional passengers each year through 2035
- There are no "low cost" approaches that will satisfy the needs for today.
- The terminal building is undersized for the current demand
  - **Plan to accommodate by 2035**: 140,000 SF
- The parking system capacity is at failure today
  - **Plan to accommodate by 2035**: 2,400 spaces
- Additional first aircraft apron is required with all obstruction clearances met
  - **Plan to accommodate**: 7 parking positions plus two overnight

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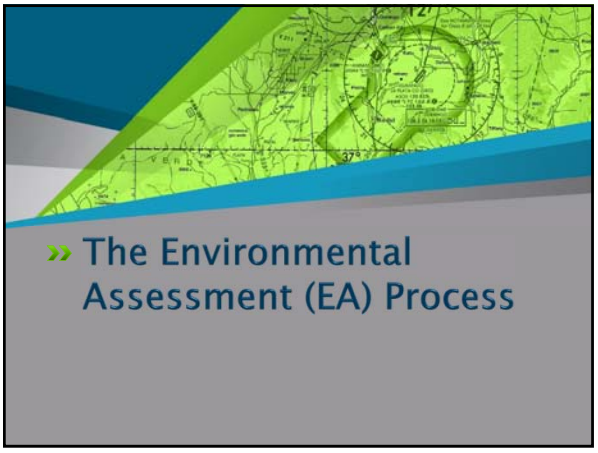
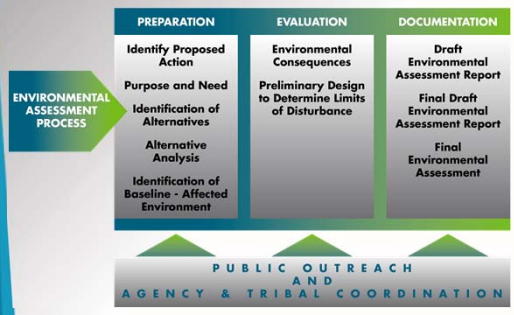


» The Environmental Assessment (EA) Process

EA Process



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The EA will include the following categories per FAA Order 1050.1F…

- Air Quality
- Biological Resources
- Climate
- Department of Transportation, Section 4(f)
- Farmlands
- Hazardous Materials, Solid Waste, Pollution Prevention
- Historic, Architectural, Archaeological & Cultural Resources
- Land Use
- Natural Resources & Energy Supply
- Noise & Compatible Land Use
- Socioeconomics, Environmental Justice, Children's Environmental Health & Safety Risks
- Visual Effects
- Water Resources
- Cumulative Impacts

EA Guidance

- FAA Order 5050.4B, *National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions*
  - Provides clear instructions to fulfill NEPA requirements for airport actions under FAA's authority
- FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*
  - Ensures compliance with –
    - National Environmental Policy Act (NEPA)
    - Council on Environmental Quality (CEQ) regulations
    - Department of Transportation regulations
- FAA 1050.1F Desk Reference
  - Provides explanatory guidance for environmental impact analysis of 15 categories

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Dismissed Categories

The following categories are not found within the study area:

- Coastal Resources
- Floodplains
- Wild and Scenic Rivers

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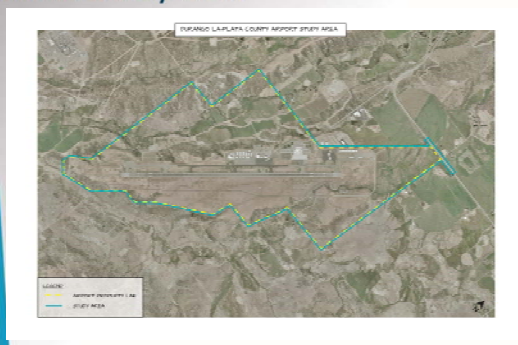
Direct Study Area



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Of specific emphasis at DRO…

- Cultural Resources
- Endangered Species Survey
- Wetlands
- Socioeconomic – Airport Entrance
- Noise Impacts

Southwestern Willow Flycatcher

New Mexico Jumping Mouse

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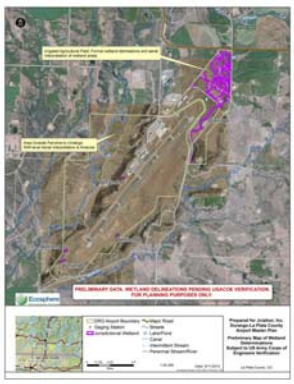
Wetlands



2015 Durango -La Plata County Airport Master Plan, Ecosphere

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» Next Steps

2013 Noise Contours

2015 Durango -La Plata County Airport Master Plan, KB Environmental Sciences

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Coordination is key throughout the process…

- Over the next two years, a series of meetings and coordination will be occur with:
  - Adjacent Landowners
  - City of Durango
  - Colorado Department of Transportation – Access Management, Environmental Program, Aeronautics
  - Colorado Parks & Wildlife
  - Federal Aviation Administration
  - LaPlata County – Administration, Historic Preservation, Planning, Public Works
  - Southern Ute Indian Tribe and other Indian tribes
  - State Historic Preservation Office
  - Town of Ignacio
  - U.S. Army Corps of Engineers
  - U.S. Fish and Wildlife Service
  - U.S. Environmental Protection Agency
  - And others as identified through the process

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Alternative Components –

- New or redeveloped terminal building
- New or expanded terminal parking
- Partial parallel taxiway (east side alternative only)
- Utility improvements
- New or realigned terminal loop road
- Borrow site
- New Airport entrance road from SH 172 – this will be analyzed separately from the terminal development

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Outreach Efforts

- Coordination Meetings
- Community Open Houses
- Airport Tours
- Virtual City Hall
- Social Media
- Airport Advisory Commission
- Joint Study Sessions with Elected Officials
- Public Hearing

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Social Media – Project Information

DESTINATION DRO WEBSITE:
www.flydurango.com
Select *Airport Environmental Assessment* for project related documents

VIRTUAL CITY HALL:
www.durangogov.org/virtualcityhall

TWITTER:
https://twitter.com/DROAirport

FACEBOOK:
www.facebook.com/DROAirport

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Questions, Comments, Concerns???

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Project Schedule

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» Thank You!

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Next Steps – November 2015 to January 2016

- Initiation of Purpose & Need Chapter and documentation of Alternatives
- Tribal coordination
- Documentation of baseline data including noise and air analysis
- On-going Agency Coordination

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PLEASE PROVIDE THE FOLLOWING INFORMATION

DRO EA Southern Ute Indian Tribe Meeting
November 4, 2015

Name	Department	Address	Phone	E-mail
Mark A. Hutson	Environmental Programs - AQP	71 Mike Frost Way, Ignacio, CO 81137	970 563-4705 x2216	mhutson@southernute-nsn.gov
Danny Powers	Environmental Prog. - AQP	/ / /	/ / x2265	dpowers@southernute-nsn.gov
Rich Bechtolt	Airport Commission	3059 Main Durango, CO 81301	970-259-7534	Richard Bechtolt@Bechtolt.com
Jason Mietchen	SUIT - Range/Water	P.O. Box 737 Ignacio	970-563-4780	jmietchen@southernute-nsn.gov
Lena Atencio	SUIT - Natural Res	POB 737 - MB#65 - Ignacio CO 81137	970-563-0125	latencio@southernute-nsn.gov
Germaine Ewing	SUIT - " "Lands	" "	970-563-0126	gewing@ " "
Travis Wheeler	SUIT - " " Water	" "	970 563 - 0100 x3525	twheeler@southernute-nsn.gov
Kandice Krull	FAA			
Colleen Cummins	Aviation	900 S Broadway Denver CO 80209	720. 544. 6568	colleencummins@aviation.com
Kip Turner	Airport			
HILARY FLETCHER	AVIATION			
Tony Vicari	Airport			
Jacob Gedick	SUIT Planning	P.O. Box 737 Ignacio	970-563-4749	~~jgedick@southernute-nsn.gov~~
Edward Box III	SUIT Planning	" "	" "	ebbox@southernute-nsn.gov jgedick@southernute-nsn.gov

Environmental Assessment – Southern Ute Indian Tribe Meeting Minutes

Date: November 4, 2015 – 11:00 AM
Location: Durango-La Plata County Airport (DRO) Conference Room
AIP Project: Environmental Assessment
Subject: Coordination Kick-Off Meeting

In Attendance:

Kandice Krull, Federal Aviation Administration (via phone)
Mark A. Hutson, SUIT - Air Quality Program
Danny Powers, SUIT - Air Quality Program
Jason Mietchen, SUIT – Natural Resources (Range and Water)
Lena Atencio, SUIT – Natural Resources
Germaine Ewing, SUIT – Natural Resources (Lands)
Travis Wheeler, SUIT – Natural Resources (Water)
Jacob Garlick, SUIT - Planning
Edward Box III, SUIT - Planning

Airport Staff

Kip Turner
Tony Vicari
Lise MacArthur

Airport Commission

Rich Bechtolt

Consulting Team

Hilary Fletcher, Jviation
Colleen Cummins, Jviation

1. Welcome/Opening Comments

Hilary Fletcher opened the meeting by welcoming and thanking everyone for attending. She introduced herself and her affiliation with Jviation – the Airport's consultant. Hilary asked everyone to introduce themselves. Jviation has been working with DRO, the City, and County on the Master Plan since mid-2013 as well as engineering projects. Today is the official kick-off of the EA with several meetings planned throughout the day.

The purpose of this meeting is to introduce the Southern Ute Indian Tribe (SUIT) to the proposed action that will be evaluated within the Environmental Assessment (EA) and to learn of any issues/concerns, level of coordination anticipated, and outreach efforts during the process.

Hilary reviewed the meeting objectives:

- Awareness of the Master Plan Recommendations (Proposed Action)
- Understanding of the Environmental Assessment (EA) purpose and content
- Familiarity with the EA process and opportunities for coordination
- Knowledge of the project's next steps

2. Purpose of Environmental Assessment (EA)

Colleen noted that the National Environmental Policy Act (NEPA) is a procedural law that applies to federal agencies (in this case the Federal Aviation Administration (FAA)). The EA is required to meet NEPA guidelines and provide informed decision making by federal agencies. The overall purpose is to determine if the proposed project would significantly impact the environment.

The process also promotes coordination and communication with other parties – federal, state, and local agencies, adjacent property owners, tribal groups, etc. Hilary added that if anyone is missing that should be present, please let Jviation know. It was noted that the chairmen and vice-chairmen had prior commitments and were not able to make the meeting.

She also explained that the EA would identify a purpose and need based upon the information contained in the current Master Plan and that alternatives reviewed and analyzed in the Master Plan would be carried forward into the EA. The Master Plan is currently being finalized.

3. Master Plan Recommendations

A brief overview of the Master Plan recommendations was given by Hilary including the approved aviation forecast, facility requirements, and the Master Plan's preferred alternative – construct new terminal on east side of airfield. This would also include other infrastructure such as apron and taxiway development, on-airport circulation, auto parking, rental car parking, and employee parking. She continued by stating based upon the analysis completed as part of the Master Plan and the coordination effort completed, the Airport, Airport Commission, Planning Advisory Commission (PAC), Consultant (Jviation), County, and City decided this was the best alternative to move forward for long-range plans for the airport. She emphasized the extensive amount of coordination that was completed and that all documentation can be found on the Master Plan's website.

It was stressed that going into the environmental process, reasonable alternatives will be evaluated as well – including renovating existing building and constructing a new terminal on the west side. Other options were considered during the Master Plan but deemed not feasible for a number of reasons (see Master Plan page at www.flydurango.com for additional details).

A brief review of the terminal timeline was given detailing the EA length (2015 – 2017), design (2018-2019), and construction (2019-2021).

Questions from attendees:

- Given that the facility is going to be on the east side, will 309 be moved rather than in front of the BP and the Crossfire offices?

  Hilary responded, yes, there is an alternative to put the main entrance of the airport in a different location. The consulting team is aware from CDOT the challenges of the intersection's current location, in that it's not going to be sufficient. There's going to have to be some improvements to the entryway of the airport and that's probably a relocation of the main entryway.

4. Environmental Assessment Process

Colleen explained the EA process from preparation through documentation and that we were currently in the preparation phase – Purpose and Need, Identification of Alternatives, Alternative Analysis, and Affected Environment. Public outreach, agency, and tribal coordination will occur throughout the process and as the process advances it is typical for additional groups to become involved. The next phase of the EA, evaluation, will occur next year.

Colleen explained the alternative analysis from the Master Plan will be evaluated again in the environmental process and the environmental baseline information from the Master Plan will also be used in the EA. There are 16-18 different environmental categories to be reviewed, most of which were given a preliminary review in the Master Plan. Cultural resources, wetlands, and endangered species habitat were identified, and will be given further review in the EA.

Colleen introduced the study area and what areas and features are included. The difference between direct and indirect study areas was discussed. The indirect area includes potential impacts to residents living off of 309A. Colleen showed a list of impact categories to discuss, noting some will not be evaluated in detail – coastal resources, floodplains, and wild and scenic rivers - as they are not applicable to this project. Impact categories discussed in detail included air quality and water as the SUIT has jurisdiction over them, as well as cultural resources due to the artifacts found during the Master Plan. Coordination with the SUIT will continue throughout the process.

Colleen discussed the specific environmental categories the consulting team has focused on include cultural, threatened and endangered species, noise, socioeconomic impacts, and wetlands. Noise contours will be developed for 2015, the base year, and 2020, the future year. These are based on 24 hour day and night average levels, not a single event. They also take into account aircraft, amount of operations, and flight patterns.

The wetland map completed as part of the Master Plan was reviewed and a brief discussion on endangered species ensued.

Colleen then moved on to alternatives, explaining that the next meeting will have a more detailed discussion. However, the basic alternatives include a new or redeveloped terminal, parking lot expansion, utility improvements, partial parallel taxiway (east side alternative only), new or realigned terminal loop road, and a borrow site (for fill). All these items will be one set of alternatives with a second set for the airport entrance road. A No Action will be included for both the road and the terminal alternatives per NEPA requirements.

Questions from attendees:

- The airport's water source is primarily from the infiltration gallery and some of those water rights are associated with the Tyner ditches. The Tribe has water rights in those ditches as well so we're interested in proposed impacts and increased water usage.

  Colleen replied, as part of the Master Plan, there's a Water and Wastewater Master Plan that was developed which is available online – www.flydurango.com. The amount of water needed for the proposed development will be considered within the EA as well. Coordination with the SUIT on this topic will also be done.

- Clarification on the "No Action" associated with the airport entrance road and terminal was requested.

  Colleen responded that a "No Action" alternative is required for comparison purposes under NEPA. The No Action for the road would leave the road as is and the No Action for the terminal would leave terminal as exists.

- Doesn't CDOT require the airport entrance to be relocated?

  CDOT would prefer the entrance to be relocated for safety reasons and has noted that if a terminal expansion happens the entrance needs to be relocated.

- Are possible improvements to the southern end of 309A to accommodate traffic from Farmington and Aztec being contemplated?

  No, that portion of the road is outside the scope of this project.

- Regarding the borrow site, are there plans for any disturbance of airport property near the river or will it be up near the mesa?

  No, disturbance would be on the mesa, along 309A and State Highway 172 to accommodate the entrance.

5. Next Steps

Hilary discussed that there is extensive coordination involved in the EA and the consulting team is working through it. She reiterated that if anyone is missing to please let them know. It was discussed that the coordination will include a series of meetings, open houses, and tours. Communication will be disseminated via social media, airport commission briefings, information sessions, study sessions, and meetings. A public hearing will also be included at the end of the project.

Hilary noted the EA website would be live shortly – link provided from main airport website to EA. She also noted that the consulting team would be using virtual city hall where the community can pose questions and see feedback. Twitter and Facebook would also be used to announce meetings.

Hilary reviewed the upcoming project schedule to include what meetings/outreach efforts have been scheduled. Colleen added that the open houses would be done in the City of Durango and somewhere in the County (day and evening). They are hopeful the various meeting times and locations will give the public more opportunity to attend.

Hilary discussed that the next steps are working on the purpose and need chapter and beginning the documentation of the alternatives. More details will be given at the next meeting.

Questions from attendees:

- The SUIT has jurisdiction for the air quality process. These EA's take a lot of time and we need to look at staff resources. Would it be possible to send a more detailed schedule so we can ensure our resources are available?

  Yes, we will get you a more detailed schedule and keep you well-informed. A subconsultant, KB Environmental will be conducting the air quality analysis for existing and future conditions. We will be sure to get them your contact information.

- We're responsible for air quality emissions, some of the planning members through the environmental commission should probably be put on your list, the Southern Ute Indian Tribe, the State of Colorado Environmental Commissioners, there are 6 Commissioners – they are actually the jurisdictional body.

  Kandice will confirm if a letter went to Southern Ute Indian Tribe State of Colorado Environmental Commission. Letters went out to 29 different tribes. Southern Ute responded and maybe 4 others have as well to date.

Hilary concluded by giving out contact information for herself, Colleen, and Kip. She noted an email will be send to everyone with links to the website. Colleen added that everyone should be sure they left their email address on the sign in sheet.

A 30 day notice will be given prior to the next meeting. Web conferences are available; however, the next meeting will be on site.

6. Action Items

- Kandice Krull to see if letter was sent to the SUIT State of the Colorado Environmental Commission.
- Colleen Cummins to send e-mail/letter to attendees and invitees with EA website once live.
- Colleen Cummins to send more detailed schedule to SUIT Air Quality Division.
- Colleen Cummins to have KB Environmental Sciences (subconsultant for Air Quality) contact SUIT Air Quality Division.

Destination: DRO

Environmental Assessment

Agency Coordination Kick-Off Meeting
November 4, 2015

JVIATION

The EA will…

- Document a purpose and need for the action
- Identify alternatives including the Proposed Action (Master Plan recommendation)
- Analyze the affected environment in its current condition
- Examine the environmental consequences of the Proposed Action along with feasible and prudent alternatives
- Identify mitigation measures

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Meeting Objectives – we will leave with…

- Awareness of the Master Plan Recommendations (Proposed Action)
- Understanding of the Environmental Assessment (EA) purpose and content
- Familiarity with the EA Process and opportunities for coordination
- Knowledge of the project's next steps
- Agency concerns

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Master Plan Recommendations

Why is an EA necessary and what is the purpose of an EA?

- The National Environmental Policy Act (NEPA) is a procedural law that applies to federal agencies (in this case, the FAA)
- An EA is required to provide informed decision-making by federal agencies through full disclosure and documentation
- It is designed to promote coordination and communication with other parties
- The purpose of the EA is to determine if a project has the potential to significantly affect the environment
- An EA is needed to meet the requirements of NEPA

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Aviation Activity Forecasts*

Passenger Enplanements Forecast

	2015	2020	2025	2030	2035
Enplanements	205,594	241,427	283,505	332,917	390,941

Commercial Operations Forecast

	2015	2020	2025	2030	2035
Commercial Operations	7,965	8,471	9,010	9,583	10,192

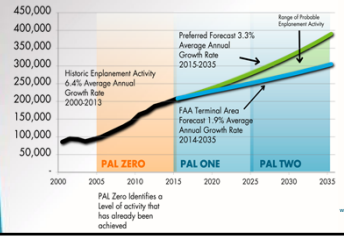
General Aviation & Military Operations Forecast

	2015	2020	2025	2030	2035
General Aviation Operations	21,475	23,487	25,429	27,528	29,797

Based Aircraft Forecast

	2015	2020	2025	2030	2035
Based Aircraft	72	77	82	87	93

Enplanements: Forecast Range
Annual Enplanements 2015-2035



PAL Zero Identifies a level of activity that has already been achieved

*2015 enplanements will be less than expected due to Frontier pullout but do not represent a substantial impact to the overall forecast

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Terminal Facility Requirements

Existing Condition
- **41,500** Square Feet (with tent)
- **263** Peak Hour Enplanements
- **1,100** Parking Stalls
- **4** Aircraft Parking Positions

PAL 0 2015
- **82,100** Square Feet
- **263** Peak Hour Enplanements
- **1,500** Parking Stalls
- **5** Aircraft Parking Positions

PAL 1 2025
- **110,800** Square Feet
- **340** Peak Hour Enplanements
- **1,900** Parking Stalls
- **7** Aircraft Parking Positions

PAL 2 2035
- **137,600** Square Feet
- **425** Peak Hour Enplanements
- **2,400** Parking Stalls
- **9** Aircraft Parking Positions

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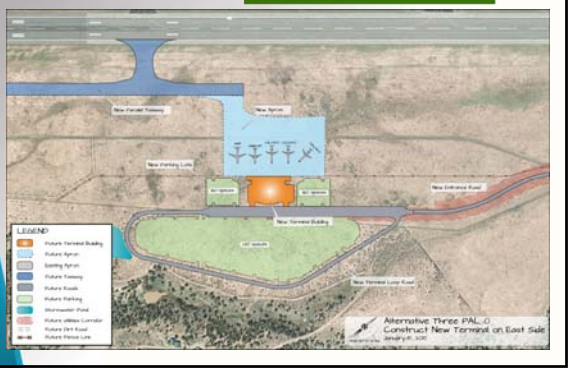
Master Plan Preferred Alternative:

Alternative Three

Construct new terminal complex on east side of airfield



Landside Facility Requirements

Facility	Required to Meet 2035 Need
On-Airport Circulation Roadways	• Enlarge and improve circulation to terminal and parking areas
Terminal Auto Parking	• Add 1,000 surface parking stalls on approx. 13 acres or construct parking garage
Rental Car Parking	• Add 140 spaces during planning period
Employee Parking	• Add 45 spaces during planning period • Pave north lot
Regional Transportation Network	• Improve intersection of County Road 309 and State Highway 172
GA Auto Parking	• No improvements needed

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Terminal Timeline

Based upon the analysis of needs and the constraints to long-term terminal development in the current terminal location, the best alternative is to relocate terminal facilities to the east side of the airport.

- 2015–2017 Environmental Assessment
- 2018–2019 Design
- 2019–2021 Construction

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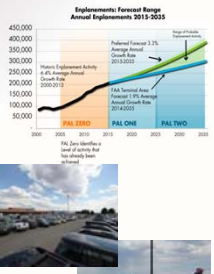
Technical Observations on Terminal Needs

Per Industry Standards:

- DRO is projected to add 1.9% to 3.3% additional passengers each year through 2035
- There are no "low cost" approaches that will satisfy the needs for today.
- The terminal building is undersized for the current demand
  - **Plan to accommodate by 2035**: 140,000 SF
- The parking system capacity is at failure today
  - **Plan to accommodate by 2035**: 2,400 spaces
- Additional first aircraft apron is required with all obstruction clearances met
  - **Plan to accommodate**: 7 parking positions plus two overnight



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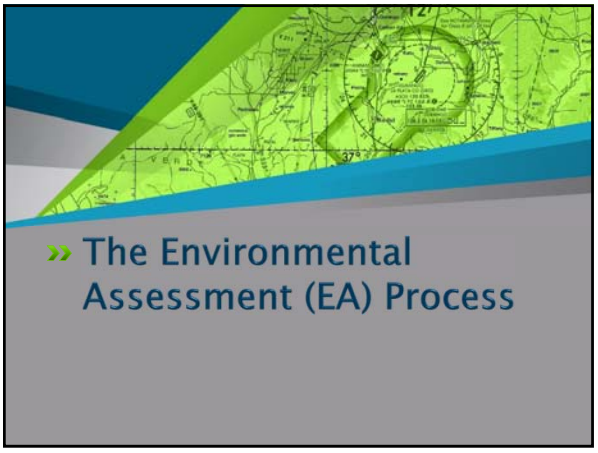
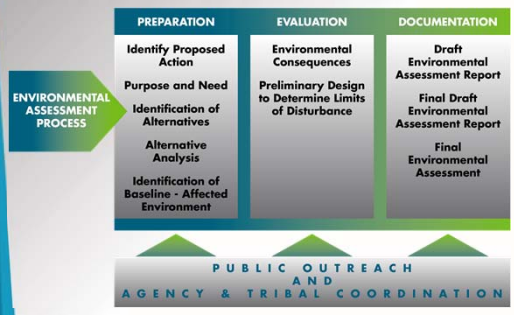


» The Environmental Assessment (EA) Process

EA Process



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The EA will include the following categories per FAA Order 1050.1F…

- Air Quality
- Biological Resources
- Climate
- Department of Transportation, Section 4(f)
- Farmlands
- Hazardous Materials, Solid Waste, Pollution Prevention
- Historic, Architectural, Archaeological & Cultural Resources
- Land Use
- Natural Resources & Energy Supply
- Noise & Compatible Land Use
- Socioeconomics, Environmental Justice, Children's Environmental Health & Safety Risks
- Visual Effects
- Water Resources
- Cumulative Impacts

EA Guidance

- FAA Order 5050.4B, *National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions*
  - Provides clear instructions to fulfill NEPA requirements for airport actions under FAA's authority
- FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*
  - Ensures compliance with –
    - National Environmental Policy Act (NEPA)
    - Council on Environmental Quality (CEQ) regulations
    - Department of Transportation regulations
- FAA 1050.1F Desk Reference
  - Provides explanatory guidance for environmental impact analysis of 15 categories

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Dismissed Categories

The following categories are not found within the study area:

- Coastal Resources
- Floodplains
- Wild and Scenic Rivers

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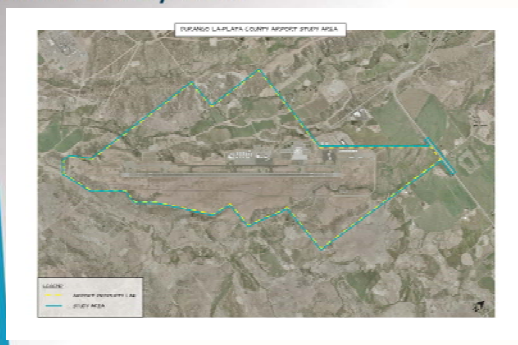
Direct Study Area



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Of specific emphasis at DRO…

- Cultural Resources
- Endangered Species Survey
- Wetlands
- Socioeconomic – Airport Entrance
- Noise Impacts

Southwestern Willow Flycatcher

New Mexico Jumping Mouse

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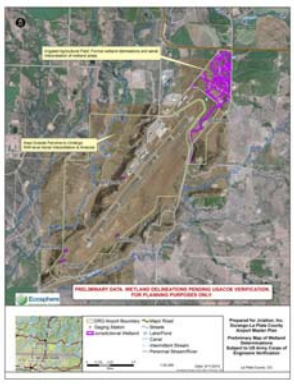
Wetlands



2015 Durango -La Plata County Airport Master Plan, Ecosphere

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» Next Steps

2013 Noise Contours

2015 Durango -La Plata County Airport Master Plan, KB Environmental Sciences

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Coordination is key throughout the process…

- Over the next two years, a series of meetings and coordination will be occur with:
  - Adjacent Landowners
  - City of Durango
  - Colorado Department of Transportation – Access Management, Environmental Program, Aeronautics
  - Colorado Parks & Wildlife
  - Federal Aviation Administration
  - LaPlata County – Administration, Historic Preservation, Planning, Public Works
  - Southern Ute Indian Tribe and other Indian tribes
  - State Historic Preservation Office
  - Town of Ignacio
  - U.S. Army Corps of Engineers
  - U.S. Fish and Wildlife Service
  - U.S. Environmental Protection Agency
  - And others as identified through the process

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Alternative Components –

- New or redeveloped terminal building
- New or expanded terminal parking
- Partial parallel taxiway (east side alternative only)
- Utility improvements
- New or realigned terminal loop road
- Borrow site
- New Airport entrance road from SH 172 – this will be analyzed separately from the terminal development

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Outreach Efforts

- Coordination Meetings
- Community Open Houses
- Airport Tours
- Virtual City Hall
- Social Media
- Airport Advisory Commission
- Joint Study Sessions with Elected Officials
- Public Hearing

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Social Media – Project Information

DESTINATION DRO WEBSITE:
www.flydurango.com
Select *Airport Environmental Assessment* for project related documents

VIRTUAL CITY HALL:
www.durangogov.org/virtualcityhall

TWITTER:
https://twitter.com/DROAirport

FACEBOOK:
www.facebook.com/DROAirport

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Questions, Comments, Concerns???

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Project Schedule

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» Thank You!

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Colleen Cummins, Project Manager
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720.544.6508

Next Steps – November 2015 to January 2016

- Initiation of Purpose & Need Chapter and documentation of Alternatives
- Tribal coordination
- Documentation of baseline data including noise and air analysis
- On-going Agency Coordination

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PLEASE INITIAL NEXT TO YOUR NAME

DRO EA Agency Coordination Meeting
November 4, 2015

Initials	Last Name	First Name	Agency/Organization	Title	Email	Phone	Address	City	State	Zip
✓	Anderson	Carol	Environmental Protection Agency (EPA)		anderson.carol@epa.gov	303.312.6058	1595 Wynkoop St	Denver	CO	80202-1129
✓	Bechtolt	Richard	Airport Commission		richardbechtolt@bechtolt.com			Durango	CO	81301
	Cady	Tony	Colorado Department of Transportation (CDOT)	Manager	tony.cady@state.co.us	970.385.1430	3803 N Main Avenue Ste 100	Durango	CO	81301
	Chase	Joann K.	Environmental Protection Agency (EPA)	Director	Chase.joann@Epa.gov	202-564-0878	USEPA Headquarters William Jefferson Clinton Building	Washington, DC		20460
✓	Davis	Jim	La Plata County Public Works	Director	Jim.Davis@co.laplata.co.us	970.382.6363	1060 Main Avenue, Ste 104	Durango	CO	81301
	DeBerry	Drue	U.S. Fish & Wildlife Service (USFWS)		drue_deberry@fws.gov	303.236.4264	134 Union Blvd	Lakewood	CO	80228
	Garcia	Bert	Environmental Protection Agency (EPA)	Program Director	Garcia.bert@Epa.gov	303-312-6670	1595 Wynkoop St	Denver	CO	80202-1129
	Garcia	Mark	Town of Ignacio	Interim Town Manager	mgarcia@townofignacio.com	970.563-9494	540 Goddard Ave	Ignacio	CO	81137
	Genualdi	Robert	State of Colorado Department of Natural Resources		Robert.Genualdi@state.co.us		160 Rockpoint Drive Ste E	Durango	CO	81301
	Greenhut	Tom	Airport Commission		tgreen@bresnan.net			Durango	CO	81301
✓	Hellige	Kara	U.S. Army Corps / Durango Regulatory Office	Sr. Project Manager	kara.a.hellige@usace.army.mil	970.259.1604	1970 East 3rd Ave	Durango	CO	81301
✓	Hewitson	Ingrid	Colorado Dept of Public Health and Environment		Ingrid.Hewitson@state.co.us	303.692.6331	4300 Cherry Creek Dr S	Denver	CO	80246
	Humphrey	Thomas	Colorado Department of Transportation (CDOT)		thomas.humphrey@state.co.us	970.385.3637	3803 N Main Avenue Ste 100	Durango	CO	81301
	Ireland	Terry	U.S. Fish & Wildlife Service (USFWS)		Terry_Ireland@fws.gov	970.628.7188	445 W Gunnison Ave Ste 240	Grand Junction	CO	81501-5711
	Kerby	Joe	La Plata County	Manager	Joe.kerby@co.laplata.co.us	970-382-6210	1101 E 2nd Avenue	Durango	CO	81301
✓	Krull	Kandice	Federal Aviation Administration	Environmental Protection Specialist	kandice.krull@faa.gov	303.342.1261	26805 E 68th Avenue, Ste 224	Denver	CO	80249-6361
	LeBlanc	Ron	City of Durango	Manager	ron.leblanc@durangogov.org	970-375-5005	949 E 2nd Avenue	Durango	CO	81301
	McGrath	Shaun	Environmental Protection Agency (EPA)	Administrator	r8eisc@epa.gov	303-312-6312	1595 Wynkoop St	Denver	CO	80202-1129
✓	Murrary	Daniel	La Plata County Historic Preservation	Planner II	daniel.murray@co.laplata.co.us	970.382.6268	1060 Main Avenue, Ste 104	Durango	CO	81301
	Nichols	Edward	State Historic Preservation Office (SHPO)	State Historic Preservation Officer	Ed.Nichols@state.co.us	303-866-3355	1200 Broadway	Denver	CO	80203
	Palomares	Art	Environmental Protection Agency (EPA)		Palomeres.art@Epa.gov	303-312-6053	1595 Wynkoop St	Denver	CO	80202-1129
	Peduto	Damian	La Plata County	Community Development Director	Damian.Peduto@co.laplata.co.us	970.382.6263	1060 E. 2nd Avenue	Durango	CO	81301
	Pfaltzgraff	Patrick	State of Colorado Department of Public Health & Environment	Division Director	patrick.pfaltzgradd@state.co.us	303-692-3100	4300 Cherry Creek Dr S	Denver	CO	80246
	Reynolds	Cynthia	Environmental Protection Agency (EPA)		Reynolds.cynthia@Epa.gov	303-312-6206	1595 Wynkoop St	Denver	CO	80202-1129

PLEASE INITIAL NEXT TO YOUR NAME

DRO EA Agency Coordination Meeting
November 4, 2015

Initials	Last Name	First Name	Agency/Organization	Title	Email	Phone	Address	City	State	Zip
	Ryan	Kevin	State of Colorado Department of Natural Resources	State Engineer	Kevin.Ryan@state.co.us	303-866-3581	4300 Cherry Creek Dr S	Denver	CO	80203
✓	Storie	Scott	Colorado Department of Transportation (CDOT)	Aviation Planner	scott.storie@state.co.us	303.512.5251	5126 Front Range Airport	Watkins	CO	80137
	Strobel	Philip	Environmental Protection Agency (EPA)		Strobel.philip@Epa.gov	303-312-6704	1595 Wynkoop St	Denver	CO	80202-1129
	Thorpe	Matt	State of Colorado Department of Natural Resources	Area Wildlife Manager	Matt.Thorpe@state.co.us	970.247.0855	151 E 16th Street	Durango	CO	81301
✓	Turner	Kip	Durango-La Plata County Airport	Director of Aviation	kip.turner@durangogov.org	970-382-6068	1000 Airport Rd Box 1	Durango	CO	81303
	Wolfe	Dick	State of Colorado Department of Natural Resources	State Engineer	Dick.wolfe@state.co.us	303-866-3581	4300 Cherry Creek Dr S	Denver	CO	80203
✓	Lee	Paul	CDPHE - Air Division	Transportation Planner	Paul.Lee@state.co.us	303.692.3127	4300 Cherry Creek Dr. S	Denver	CO	80246
✓	Bechtolt	Rich	Airport Commission		RichardBechtolt@Bechtolt.com	970-259-7534	APCD-SS-B1 3059 main	Durango	CO	81301
✓	Glenne	Gina	U.S. FWS	Western CO Eco. Services Office	Gina_Glenne@fws.gov	970.628.7183		Grand Junction	CO	81501
✓	Fowler	Sarah	EPA - Clean Water							

Environmental Assessment – Agency Meeting Minutes

Date: November 4, 2015 – 2:30 PM
Location: Durango-La Plata County Airport (DRO) Conference Room
AIP Project: Environmental Assessment
Subject: Agency Scoping/Coordination Meeting

In Attendance via Phone/Webinar:

Carol Anderson, Environmental Protection Agency – NEPA Compliance and Review Program
Jim Davis, La Plata County Public Works
Kara Hellige, U.S. Army Corps of Engineers
Ingrid Hewitson, Colorado Dept. of Public Health and Environment
Kandice Krull, Federal Aviation Administration
Daniel Murray, La Plata County Historic Preservation
Scott Storie, CO Dept. of Transportation – Aeronautics
Paul Lee, Colorado Dept. of Public Health and Environment – Air Division
Gina Glenne, U.S. Fish and Wildlife Service
Sarah Fowler, Environmental Protection Agency – Clean Water

Airport Staff

Kip Turner
Tony Vicari

Airport Commission

Rich Bechtolt

Consulting Team

Colleen Cummins, Jviation

1. Welcome/Opening Comments

Colleen Cummins opened the meeting by welcoming and thanking everyone for attending. She introduced herself and her affiliation with Jviation – the Airport's consultant. Jviation has been working with DRO, the City, and County on the Master Plan since mid-2013 as well as engineering projects.

Colleen asked everyone to introduce themselves.

The purpose of this meeting is to introduce agencies to the proposed action that will be evaluated within the Environmental Assessment (EA) and to learn of any issues/concerns, level of coordination anticipated, and outreach efforts during the process.

Colleen reviewed the meeting objectives:

- Awareness of the Master Plan Recommendations (Proposed Action)
- Understanding of the Environmental Assessment (EA) purpose and content
- Familiarity with the EA process and opportunities for coordination
- Knowledge of the project's next steps
- Agency concerns

2. Purpose of Environmental Assessment (EA)

Colleen noted that the National Environmental Policy Act (NEPA) is a procedural law that applies to federal agencies (in this case the Federal Aviation Administration (FAA)). The EA is required to meet NEPA guidelines and provide informed decision making by federal agencies. The overall purpose is to determine if the proposed project would significantly impact the environment.

The process also promotes coordination and communication with other parties – federal, state, and local agencies, adjacent property owners, tribal groups, etc.

She also explained that the EA would identify a purpose and need based upon the information contained in the current Master Plan and that alternatives reviewed and analyzed in the Master Plan would be carried forward into the EA. The Master Plan is currently being finalized.

3. Master Plan Recommendations

A brief overview of the Master Plan recommendations was given by Colleen including the approved aviation forecast, facility requirements, and the Master Plan's preferred alternative – construct new terminal on east side of airfield. This would also include other infrastructure such as apron and taxiway development, on-airport circulation, auto parking, rental car parking, and employee parking. She continued by stating based upon the analysis completed as part of the Master Plan and the coordination effort completed, the Airport, Airport Commission, Planning Advisory Commission (PAC), Consultant (Jviation), County, and City decided this was the best alternative to move forward for long-range plans for the airport.

However, it was emphasized that going into the environmental process, reasonable alternatives will be evaluated as well – including renovating existing building and constructing a new terminal on the west side. Other options were considered during the Master Plan but deemed not feasible for a number of reasons (see Master Plan page at www.flydurango.com for additional details).

A brief review of the terminal timeline was given detailing the EA length (2015 – 2017), design (2018-2019), and construction (2019-2021).

Questions from attendees:

- Is the FAA providing money for development or do they simply issue a permit?

  The FAA will issue an approval and contribute funding for the project. Funds for the project will also come from state funding programs – CDOT, Aeronautics – as well as local dollars. The project also will require an approval process – Airport Layout Plan.

4. Environmental Assessment Process

Colleen explained the EA process from preparation through documentation and that we were currently in the preparation phase – Purpose and Need, Identification of Alternatives, Alternative Analysis, and Affected Environment. Public outreach, agency, and tribal coordination will occur throughout the process and as the process advances it is typical for additional groups to become involved. As noted previously, the purpose and need and alternatives will be pulled from the Master Plan as well as some of the affected environment baseline information. Field work associated with the affected environment portion won't begin until April due to weather related issues. Impacts will be reviewed following field work, surveys, and preliminary design.

The guidance followed for the EA is contained within three FAA documents:

- FAA Order 5050.4B, National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions
- FAA Order 1050.1F, Environmental Impacts: Policies and Procedures
- FAA 1050.1F Desk Reference

A figure was shown detailing the direct study area for the EA. This study area includes the entire airport boundary as well as the portion of State Highway 172 that may be included as part of a new airport entrance. An indirect study area is also included as part of the process which includes adjacent property owners such as those here tonight.

A brief overview of impact categories was reviewed and an explanation given for those that will be briefly discussed and dismissed – coastal resources, floodplains, and wild and scenic rivers – as not present within the study areas. Areas of focus include wetlands, cultural resources, endangered species, noise, and secondary/socioeconomic based upon data gathered during the Master Plan.

Kara (Army Corps of Engineers) noted that although they didn't verify all the wetlands during the Master Plan process, they did concur that approximately 57 acres existed. Ecosphere identified the wetlands in the north with remote sensing and aerial review but did flag all to delineate as it is a very difficult site. A letter was sent from the Corps preliminarily agreeing that wetlands existed and that they appear to be Waters of the U.S. The Corps suggested that further field work be conducted once the planning has been refined.

Colleen added that since the Master Plan is in its final stages and we now have a better understanding of where the proposed road and other development would occur. Consequently, Ecosphere will conduct additional survey work within a refined area to better define the wetland areas.

A brief overview of the noise contours completed as part of the Master Plan was given and an explanation that an additional noise analysis is included in this EA.

Next, Colleen reviewed the alternative components that will be included as follows:

- New or redeveloped terminal building
- New or expanded terminal parking
- Partial parallel taxiway (east side alternative only)
- Utility Improvements
- New or realigned terminal loop road
- Borrow site
- New airport entrance road from State Highway 172 – will be analyzed separately from the terminal development

Questions from attendees:

- Is there only one runway and taxiway?

  Yes, DRO only has one runway and one parallel taxiway. Should the east side alternative be selected a partial parallel would be constructed on the east side. The need for a second runway or an extension to the existing was not identified within the planning period of the Master Plan.

- Was the Pediocacuts knowltonii (cactus) considered during the biological survey done as part of the Master Plan?

  Our subconsultant, Ecosphere, searched for listed species known to occur in the area but not positive this was looked for specifically.

  Ecosphere's report was reviewed following the meeting and the cactus was included as part of their review and they determined that there was no potential for them to exist within airport boundaries.

- What was the extent of wetlands identified during survey done with Master Plan?

  Ecosphere's field survey included all property within the existing airport boundary. As shown on the figure, several small wetlands were identified south of the runway and on the east and west sides. The majority of wetlands are located north of the runway. Coordination was done with the Army Corps during the Master Plan. Additional field surveys and coordination with the Army Corps will be done as part of this process.

- Interested in seeing the full build out of the east side alternative, i.e. is expansion possible without impacting additional wetlands?

  The full build out of the alternative is available on the Master Plan website (www.flydurango.com). The relocated entrance road is the project component that would impact wetlands in this initial phase and there are no plans to expand the road to meet the 20-year planning period. However, a portion of the stream may be impacted when the partial parallel is extended to the north end of the runway.

  It is important to note that the future expansion will be driven by the airport's growth and not by a year. The terminal size, parking, apron, etc. area all triggered by enplanement numbers as identified in the Master Plan. Thus, if the numbers are not reached in the 20-year planning period, an expansion would not occur.

- What is the reason for wanting to relocate the airport entrance? CDOT requirements?

  Discussions with CDOT occurred during the Master Plan process which revealed the desire to relocate the existing airport entrance further to the east to alleviate safety concerns. It was decided that regardless of terminal expansion outcome (east or west side) that the entrance should be relocated.

- Will a scoping letter be sent out?

  Yes, a letter will go out to agencies but it should be known that the FAA has approved the scope of work. Thus, the letter's intent will be to generate input on the process and how involved agencies would like to be.

- What does a Master Plan for a regional airport such as DRO look like? Is it done internally or is the FAA involved?

  The FAA is involved in the process and provides funding to complete as does CDOT and the Airport Sponsor. FAA reviews the entire document and plan set and provides feedback but only approves the forecast and Airport Layout Plan.

- Will land acquisition be a part of the EA?

  No, no land is needed for the proposed projects.

- Will the preliminary design include the new entrance road?

  Yes, it will.

- Will the alternatives include different locations for the entrance road?

  Based upon the analysis done in the Master Plan, the EA will consist of a No Action and a build alternative for the new entrance road.

- As wetlands exist in the area the new road would transect the Corps suggests keeping the impacts within the realms of a nationwide permit.

  Unfortunately, we anticipate a few acres of impact which would require an individual permit.

- If over a half acre of impact, the Corps will require additional alternatives in the analysis.

  Understood, we will work closely with the Corps to ensure we include the appropriate level of analysis.

5. Next Steps

Colleen reviewed the project schedule, noting the EA is slated for approximately two years. The timeframe is subject to coordination with agencies, review, and agency and public comment. She noted coordination is critical throughout the process and reviewed a list of groups that will be included.

Outreach efforts include airport tours, social media, community open houses, Airport Advisory Commission meetings, and Joint Study Sessions (City and County).

Four community open houses are scheduled during the process, with two being held on the same day at different times and locations to give the community a better opportunity to attend.

From now until January 2016, portions of the document will be drafted (Introduction, Purpose and Need, and Alternative Analysis); tribal coordination conducted, and some baseline data will be done including existing noise and air quality analyses. The field work (wetland, endangered species, and culture resources) cannot happen until the weather becomes warmer (April/May 2016).

Colleen thanked everyone for attending and directed everyone to keep their eyes open for the EA website (e-mail to be sent).

6. Action Items

- Colleen to send e-mail out to all participants and invitees once EA website is live and note location of this presentation.

- Colleen to distribute letter to agencies. The letter will include detailed information about alternatives and environmental baseline information collected during the Master Plan as well as what is scoped as part of the this EA.

Destination: DRO

Environmental Assessment

Airport Advisory Commission
November 19, 2015

JVIATION

The EA will…

- Document a purpose and need for the action
- Identify alternatives including the Proposed Action (Master Plan recommendation)
- Analyze the affected environment in its current condition
- Examine the environmental consequences of the Proposed Action along with feasible and prudent alternatives
- Identify mitigation measures

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Meeting Objectives – we will leave with…

- Understanding of the Environmental Assessment (EA) purpose and content
- Familiarity with the EA Process and opportunities for coordination
- Knowledge of the project's next steps

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Master Plan Recommendations

Why is an EA necessary and what is the purpose of an EA?

- The National Environmental Policy Act (NEPA) is a procedural law that applies to federal agencies (in this case, the FAA)
- An EA is required to provide informed decision-making by federal agencies through full disclosure and documentation
- It is designed to promote coordination and communication with other parties
- The purpose of the EA is to determine if a project has the potential to significantly affect the environment
- An EA is needed to meet the requirements of NEPA

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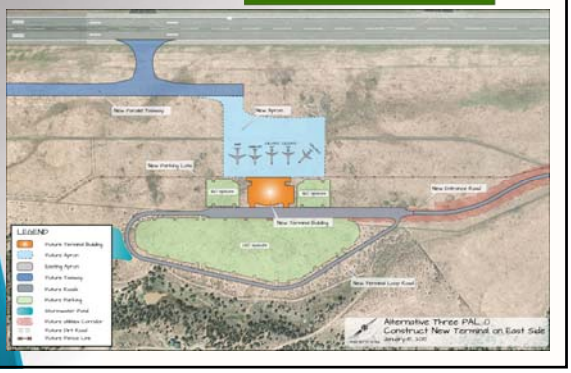
Master Plan Preferred Alternative:

Alternative Three

Construct new terminal complex on east side of airfield



Terminal Timeline

Based upon the analysis of needs and the constraints to long-term terminal development in the current terminal location, the best alternative is to relocate terminal facilities to the east side of the airport.

- 2015–2017 Environmental Assessment
- 2018 – 2019 Design
- 2019 – 2021 Construction

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EA Guidance

- FAA Order 5050.4B, *National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions*
  - Provides clear instructions to fulfill NEPA requirements for airport actions under FAA's authority
- FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*
  - Ensures compliance with –
    - National Environmental Policy Act (NEPA)
    - Council on Environmental Quality (CEQ) regulations
    - Department of Transportation regulations
- FAA 1050.1F Desk Reference
  - Provides explanatory guidance for environmental impact analysis of 15 categories

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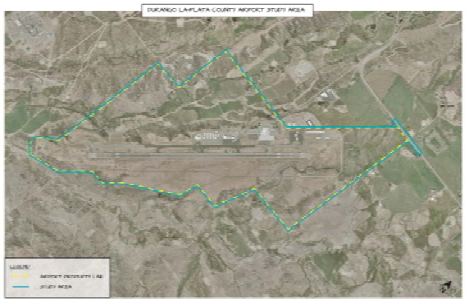
» The Environmental Assessment (EA) Process

Direct Study Area



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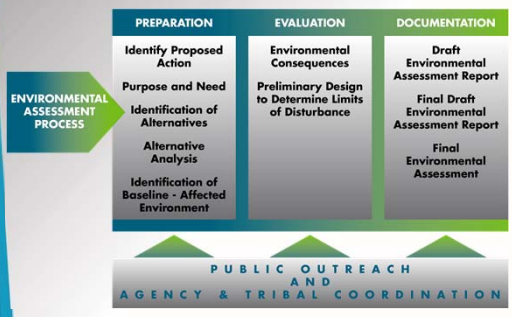
EA Process



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The EA will include the following categories per FAA Order 1050.1F…

- Air Quality
- Biological Resources
- Climate
- Department of Transportation, Section 4(f)
- Farmlands
- Hazardous Materials, Solid Waste, Pollution Prevention
- Historic, Architectural, Archaeological & Cultural Resources
- Land Use
- Natural Resources & Energy Supply
- Noise & Compatible Land Use
- Socioeconomics, Environmental Justice, Children's Environmental Health & Safety Risks
- Visual Effects
- Water Resources
- Cumulative Impacts

Dismissed Categories

The following categories are not found within the study area:

- Coastal Resources
- Floodplains
- Wild and Scenic Rivers

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2013 Noise Contours

2015 Durango -La Plata County Airport Master Plan, KB Environmental Sciences

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Of specific emphasis at DRO…

- Cultural Resources
- Endangered Species Survey
- Wetlands
- Socioeconomic – Airport Entrance
- Noise Impacts

Southwestern Willow Flycatcher

New Mexico Jumping Mouse

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Alternative Components –

- New or redeveloped terminal building
- New or expanded terminal parking
- Partial parallel taxiway (east side alternative only)
- Utility improvements
- New or realigned terminal loop road
- Borrow site
- New Airport entrance road from SH 172 – this will be analyzed separately from the terminal development

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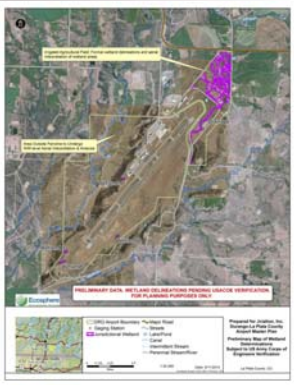
Wetlands



2015 Durango -La Plata County Airport Master Plan, Ecosphere

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November 4th Coordination Meetings Summary

- Southern Ute Indian Tribe
  - 9 attendees
  - Continued coordination necessary throughout process
  - Submit detailed schedule to ensure staff available when needed for reviews/meetings (air quality, water quality, cultural resources)
- Agency
  - 13 attendees
  - One-time only meeting with broad group
  - Letter to agencies requesting additional input concerns will be distributed
  - On-going coordination throughout process as necessary

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November 4th Coordination Meetings Summary (continued)

- Adjacent Land Owners
  - 16 attendees
  - First of four scheduled meetings
  - Overall concern about cost of terminal project
  - Other questions focused on the following:
    - New entrance road
    - Water/well impacts
    - Property values
  - Postcards to be sent out with website link and contact information

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Outreach Efforts

- Coordination Meetings
- Community Open Houses
- Airport Tours
- Virtual City Hall
- Social Media
- Airport Advisory Commission
- Joint Study Sessions with Elected Officials
- Public Hearing

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» Next Steps

Social Media – Project Information

DESTINATION DRO WEBSITE:
www.flydurango.com
Select *Airport Environmental Assessment* for project related documents

VIRTUAL CITY HALL:
www.durangogov.org/virtualcityhall

TWITTER:
https://twitter.com/DROAirport

FACEBOOK:
www.facebook.com/DROAirport

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Coordination is key throughout the process…

- Over the next two years, a series of meetings and coordination will be occur with:
  - Adjacent Landowners
  - City of Durango
  - Colorado Department of Transportation – Access Management, Environmental Program, Aeronautics
  - Colorado Parks & Wildlife
  - Federal Aviation Administration
  - LaPlata County – Administration, Historic Preservation, Planning, Public Works
  - Southern Ute Indian Tribe and other Indian tribes
  - State Historic Preservation Office
  - Town of Ignacio
  - U.S. Army Corps of Engineers
  - U.S. Fish and Wildlife Service
  - U.S. Environmental Protection Agency
  - And others as identified through the process

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Project Schedule

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Next Steps – November 2015 to January 2016

- Initiation of Purpose & Need Chapter and documentation of Alternatives
- Tribal coordination
- Documentation of baseline data including noise and air analysis
- On-going Agency Coordination

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Questions, Comments, Concerns???

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» Thank You!

Kip Turner, DRO Director of Aviation
kip.turner@durangogov.org
970.382.6051

Colleen Cummins, Project Manager
colleen.cummins@Jviation.com
720.544.6508

December 21, 2015

XX
XX
XX
XX
XX
XX

RE: Durango-La Plata Airport Environmental Assessment - Agency Coordination

XX

Jviation, Inc. is assisting the Durango-La Plata Airport (DRO) in completing an Environmental Assessment (EA) for the renovation or relocation of the passenger terminal building and relocation of airport access road per requirements set forth in Federal Aviation Administration (FAA) Order 1050.1F, *Environmental Impacts: Policies and Procedures*, and FAA Order 5050.4B, *National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions*.

The renovation or relocation of the terminal building and relocation of the airport access road is recommended as part of DRO's Master Plan, which is currently being completed. The Master Plan determined that the existing terminal building does not accommodate current or future passenger demands. It was recommended that the existing terminal building be renovated or a new terminal building be constructed adjacent to the existing terminal or on the east side of DRO's property. The EA will evaluate three alternatives for potential impacts to the environment, as identified within the Master Plan, as well as relocation of the existing entrance road; alternative exhibits are shown in **Attachment A**.

An agency coordination meeting was held on November 4, 2015 at DRO as part of the project kick-off. The meeting reviewed the EA purpose, Master Plan recommendations, EA process, and next steps. A copy of the presentation and meeting minutes may be found on the EA website at www.flydurango.com under the Environmental Assessment/Meetings tab.

The purpose of this letter is to seek input from federal, state, and local agencies concerning potential adverse environmental effects associated with the proposed action. Should your agency have any information, comments, or concerns relating to potential adverse environmental effects reviewed in **Attachment B**, please provide this information by January 21, 2016. C*oncurrence with the proposed* a*ction is assumed if no comments are received.*

A project schedule (**Attachment C**) and list of agencies coordinated with (**Attachment D**) are also included in this package, for reference purposes.

We greatly appreciate your time and assistance in this process.

JVIATION

Sincerely,

Colleen Cummins, AICP
Senior Aviation Planner

Copy: Kip Turner – DRO, Airport Director

Attachments:
A – Alternatives
B – Environmental Resource Categories
C – Project Schedule
D – Distribution List

Main 303.524.3030
Fax 303.524.3031

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ENGINEERING & PLANNING

JVIATION.COM

ATTACHMENT A: EA ALTERNATIVES

Terminal Building Alternatives

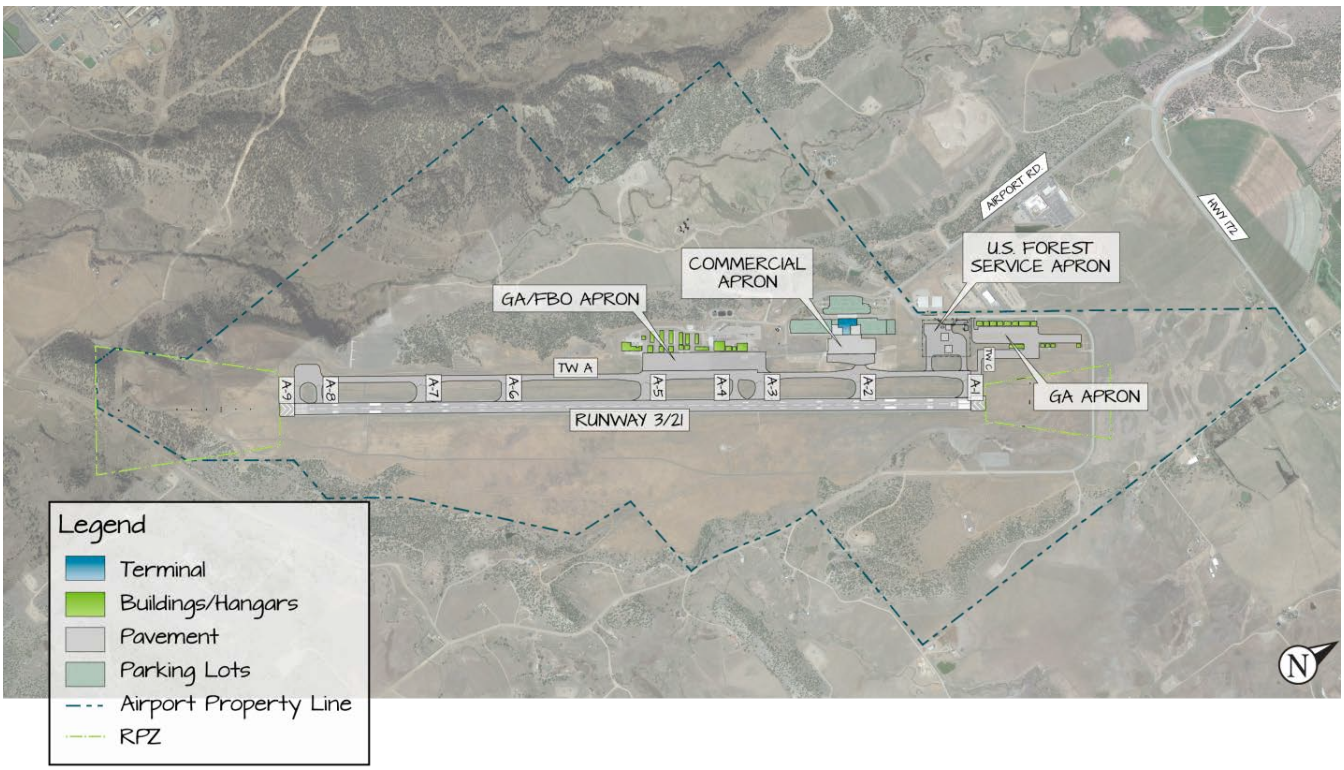
The following elements are shared by Terminal Building Alternatives 1b, 1c, and 1d:

- new or expanded terminal parking;
- new or expanded terminal apron;
- utility improvements;
- new or realigned terminal loop road; and
- borrow site.

Alternative 1a: No Action Alternative

Alternative 1a, the No Action Alternative for the terminal building, would not result in any improvements or changes to the existing terminal building, terminal parking, terminal apron, airfield system, utilities, airport access road, or other airport facilities. **Figure 1** shows the existing layout.

FIGURE 1 – EXISTING AIRPORT LAYOUT



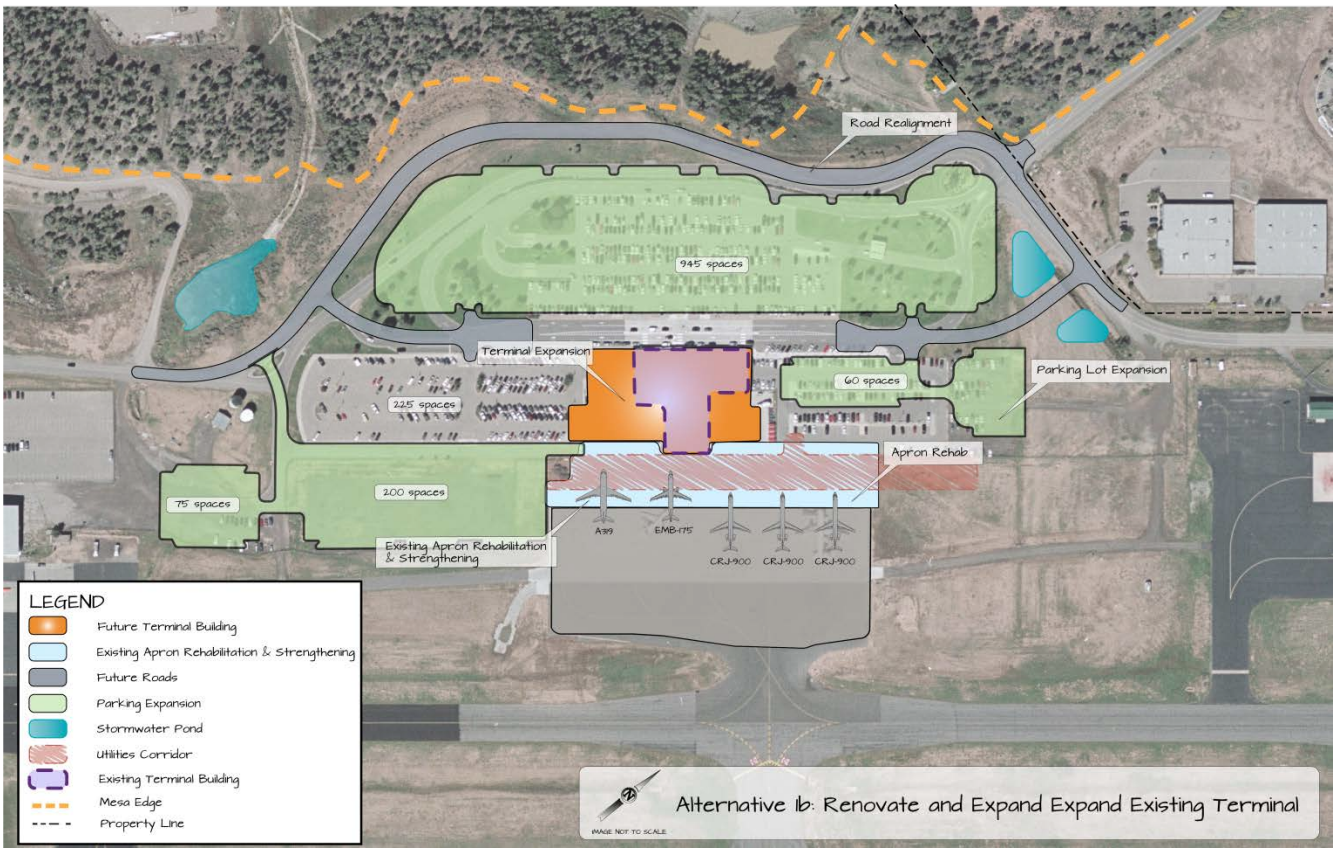
Note: Not to scale
Source: Jviation, 2015

Alternative 1b: Renovate and Expand Existing Terminal

Alternative 1b proposes renovation and expansion of the existing terminal building. This alternative seeks to use the existing airfield and landside infrastructure to its greatest extent (see **Figure 2** for Alternative 1b). Project components include:

- enlargement of existing terminal building – 80,000 sq. ft. of new building;
- reconfiguration of existing building;
- new boarding lounges with boarding bridges;
- reconstruction of aircraft parking apron to accommodate five aircraft parking positions and increased pavement strength (where needed); and
- construction of new auto parking and realignment of the airport loop road.

FIGURE 2 - ALTERNATIVE 1B: RENOVATE AND EXPAND EXISTING TERMINAL



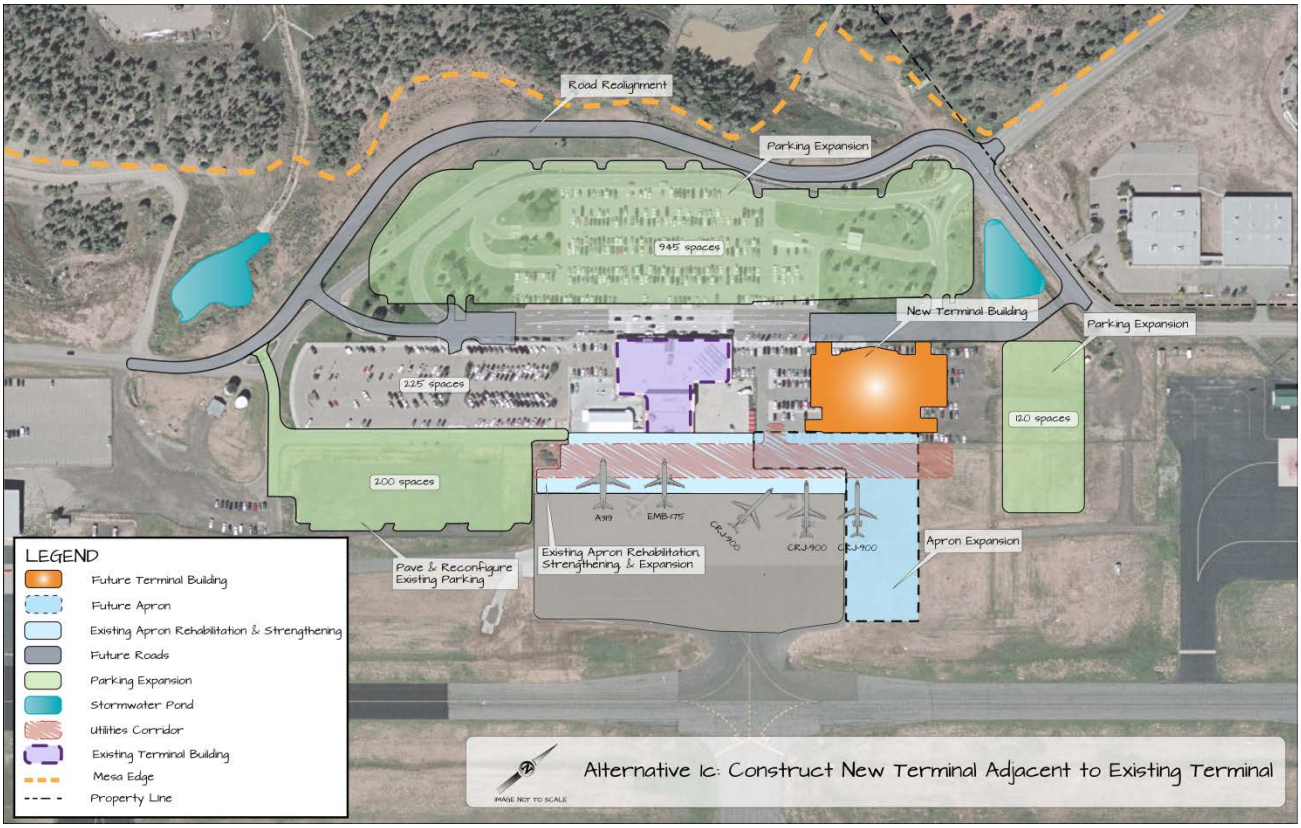
Note: Not to scale
Source: Jviation, 2015

Alternative 1c: Construct New Terminal Adjacent to Existing Terminal

Alternative 1c proposes to construct a new terminal building next to the existing terminal building and seeks to use the existing airfield and landside infrastructure to its greatest extent with the addition of a new building (see **Figure 3**). Project components include:

- construction of new high-performance terminal building;
- demolition of existing terminal building;
- construction of new aircraft parking apron to accommodate five aircraft parking positions and increased pavement strength (where needed);
- construction of new auto parking and realignment of airport loop road; and
- reconstruction of utility mains and services.

FIGURE 3 - ALTERNATIVE 1C: CONSTRUCT NEW TERMINAL ADJACENT TO EXISTING TERMINAL



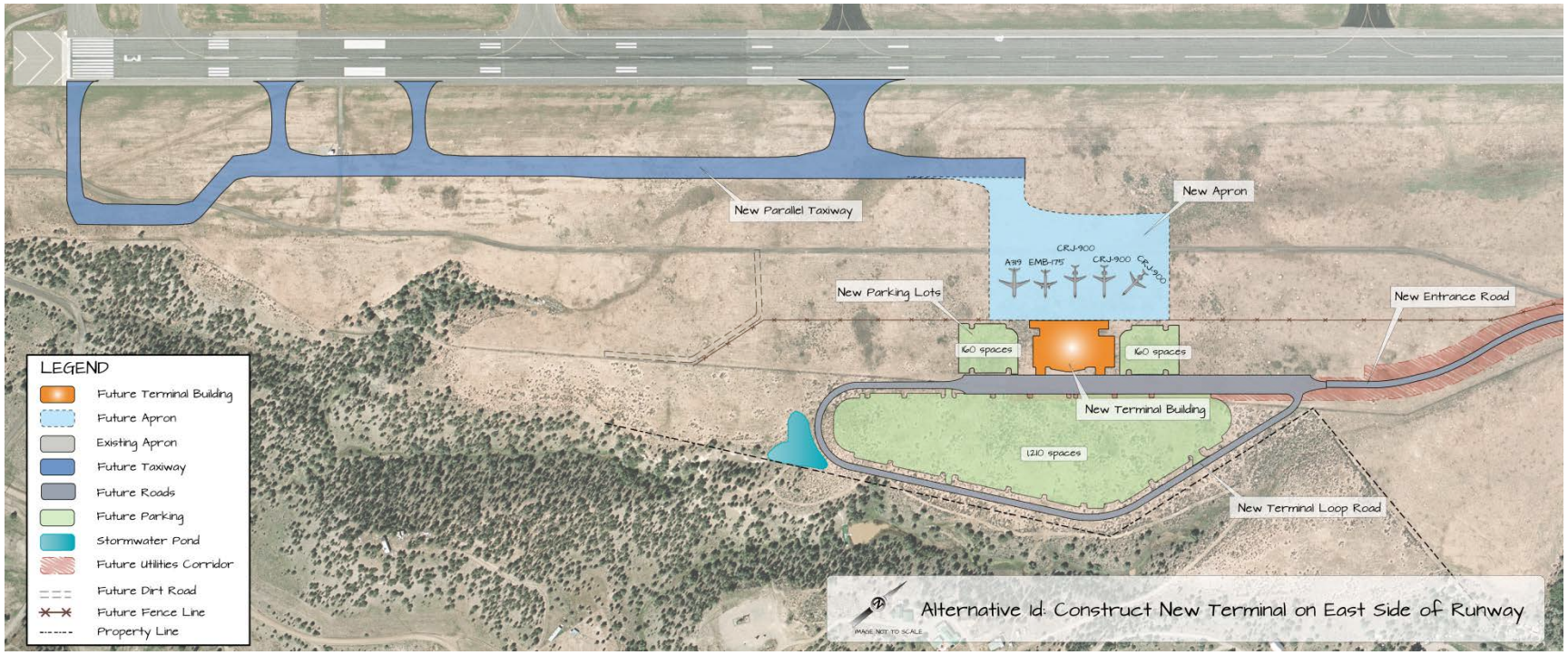
Note: Not to scale
Source: Jviation, 2015

Alternative 1d: Construct New Terminal on East Side of Runway (Preferred Action)

Alternative 1d involves construction of all-new terminal facilities on undeveloped land (see **Figure 4**). This alternative employs available land on the eastern side of the airfield for development. Construction of a new terminal, aircraft parking apron, partial parallel taxiway, auto parking, and access roadways from County Road 309A (CR 309A) to State Highway 172 (SH 172) will be required. The former terminal location will be made available for lease or redevelopment. Project components include:

- construction of new terminal building;
- construction of new aircraft parking apron to accommodate five aircraft parking positions;
- construction of new partial parallel taxiway and connector taxiways;
- construction of new auto parking;
- construction of new airport access road;
- construction of new utility infrastructure (water, sanitary sewer, storm sewer, natural gas, electric, communications, and irrigation); and
- construction of new electrical vault.

FIGURE 4 - ALTERNATIVE 1D: CONSTRUCT NEW TERMINAL ON EAST SIDE OF RUNWAY



Note: Not to scale

Source: Jviation, 2015

Access Road Alternatives

The intersection of SH 172 and CR 309 provides access to DRO and is identified as a safety problem by La Plata County and the Colorado Department of Transportation (CDOT). The intersection was analyzed as part of a traffic study completed for the 2015 Master Plan. Additionally, a portion of existing CR 309A is located within Runway 21's runway protection zone (RPZ) which is considered an incompatible land use per FAA guidance.

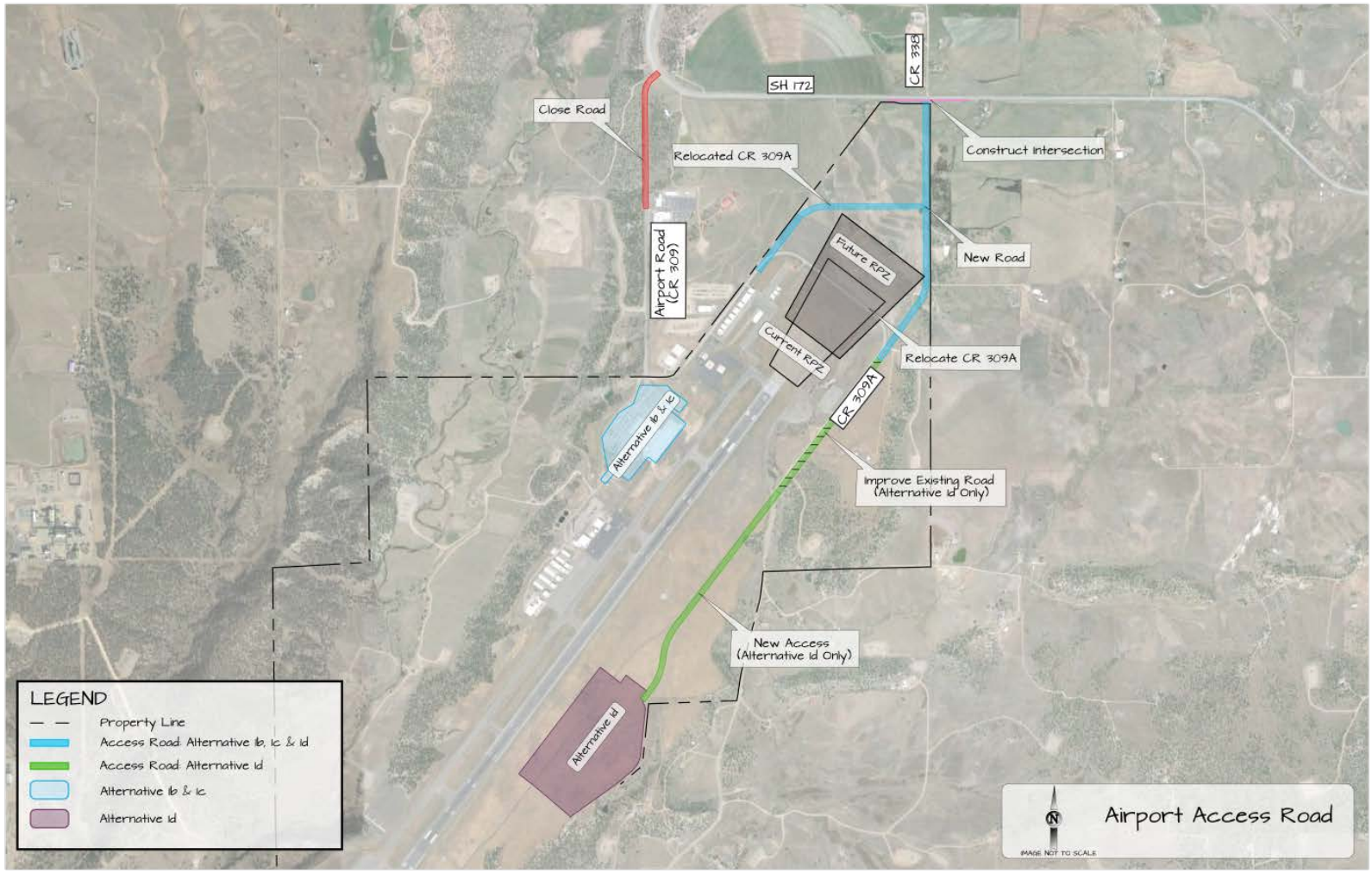
Alternative 2a: No Action Alternative

Alternative 2a, the No Action Alternative for the airport access road does not result in any improvements or changes to the existing airport access roads. The No Action Alternative does not resolve the safety issues identified at the intersection of SH 172 and CR 309 nor does it relocate existing CR 309A outside of Runway 21's RPZ.

Alternative 2b: Construct New Airport Access Road

Alternative 2b shows the construction of a new airport access road (see **Figure 5**). Access needs to be relocated with the existing intersection closed or limited to address safety concerns expressed by CDOT. The preferred location for the new access road is east of the existing entrance in alignment with existing CR 338. Roadway improvements required beyond the new access road and relocated CR 309A are dependent on the terminal site alternative that is selected.

FIGURE 5 – ALTERNATIVE 2B: CONSTRUCT NEW AIRPORT ACCESS ROAD



Note: Not to scale
Source: Jviation, 2015

ATTACHMENT B: ENVIRONMENTAL RESOURCE CATEGORIES

The EA will evaluate the environmental resources as described in FAA Order 1050.1F. Each category is described below relative to DRO and information known to date.

Air Quality

DRO is located in La Plata County, which is designated by the EPA as being in attainment status for all parts of the county in all criteria. The Airport is also located within the exterior boundaries of the Southern Ute Indian Reservation (Reservation). The Southern Ute Indian Tribe (Tribe) has an Air Quality Program dedicated to monitoring and ensuring that tribal air remains clear and safe. The Tribe maintains air quality monitoring stations as a part of a monitoring program that is responsive to Reservation needs, while simultaneously adhering to U.S. Environmental Protection Agency (EPA) guidelines.

An air quality analysis will be completed using the Aviation Environmental Design Tool (AEDT), version 2.0b. The operational emissions inventory will be performed for the 2025 no action and build alternatives. Motor vehicle emissions will be computed using the EPA MOVES model.

Biological Resources (fish, wildlife, and plants)

A Biological Resource Review was completed by Ecosphere as part of the 2015 Master Plan for airport property and included both a desktop and field review. The review found 12 federal- and 31 state-listed plant, animal, and insect species are known to occur in La Plata County; however, only three (the Southwestern willow flycatcher, New Mexico meadow jumping mouse, and the Burrowing Owl) have the potential to occur within the survey boundary (airport property). The remaining listed species were eliminated from further review due to lack of habitat in the survey area or because their known range was outside the survey area.

The following recommendations are given as a result of the Biological Resource Review:

Southwestern Willow Flycatcher

Potential breeding habitat for southwestern willow flycatcher is found to occur along CR 309A. Ecosphere recommends that a USFWS protocol survey be completed by a permitted biologist to determine the presence or absence of any southwestern willow flycatcher. This survey will be completed as part of the EA.

New Mexico Meadow Jumping Mouse

Potential habitat for New Mexico meadow jumping mouse is found at three locations within the survey area and was documented on the Florida River in 2007 (Frey 2008). Ecosphere recommends that a USFWS protocol survey be completed by a permitted biologist to determine the presence or absence of any New Mexico meadow jumping mouse. This survey will be completed as part of the EA. It is also recommended that that USFWS be contacted for "Interim Survey Guidelines for the New Mexico Meadow Jumping Mouse," which are currently in preparation.

Burrowing Owls (and raptors and other breeding birds)

Ecosphere recommends that ground disturbance and vegetation clearing be avoided during the breeding bird season, approximately May 1 through August 1. If ground disturbance/vegetation clearing cannot be avoided in the May 1 to August 1 timeframe, then it was recommended that a qualified biologist conduct a nest clearance survey of the project area no more than five days prior to construction. If active nests are found, options are available to avoid impacts to migratory birds while allowing activities to continue; however, agency coordination may be required. Ecosphere also recommends that a nesting raptor survey be completed during the year of construction to determine active nests (including burrowing owls). These surveys will not be completed as part of the EA, but will be completed prior to construction, as needed.

Additionally, Ecosphere recommends that inactive bald eagle nests located on airport property be monitored during breeding season (January/February). They also recommend pedestrian surveys be completed to locate alternate golden eagle nests within the territory; and the removal of two cottonwood trees that are potential bald eagle winter roosts. These surveys will not be completed as part of the EA, but will be completed prior to construction, as needed.

Climate

The EA will discuss whether a reduction of emissions is possible as well as how the alternatives may be affected by future climate conditions (climate adaptation)

Coastal Resources

DRO is located in Colorado, a state that does not contain any coastal resources. As such, this environmental resource category will not be evaluated further in the EA.

Department of Transportation Act, Section 4(f)

Existing information does not reveal any recorded Section 4(f) lands in, or adjacent to, DRO. However, the Cultural Resource Survey completed as part of the 2015 MP identified four National Register of Historic Places (NRHP) eligible sites and several potentially eligible sites. All identified sites are archaeological sites. In order to be considered a 4(f) resource, coordination and consultation will need to require these sites to be preserved in place. The sites are eligible for information to be gained and are not required to be preserved in place. Additional survey work and coordination will be completed as part of the EA to determine eligibility.

Farmlands

The Natural Resources Conservation Service (NRCS) Web Soil Survey was used to review soils on and around DRO. Only three of eight soil types found on DRO are classified as prime farmland. However, the Farmland Protection Policy Act (FPPA) excludes land dedicated to urban use (including aviation) prior to 1982; therefore, those soils found on DRO are exempt.

However, since a small portion of property off-airport may be disturbed for the construction of the new access road, the Natural Resource Conservation Service (NRCS) Form AD-1006, "Farmland Conversion Impact Rating" (Form AD-1006) will be completed and coordinated with NRCS as part of the EA, if deemed necessary.

Hazardous Materials, Solid Waste, and Pollution Prevention

A Phase I Environmental Site Assessment (ESA) was completed in October 2014 as part of the 2015 Master Plan. The ESA concludes that the Airport has a low environmental risk from potential contamination associated with hazardous substances or petroleum hydrocarbons. In addition, a second ESA will be conducted within the new entrance road right-of-way (ROW) to support CDOT permitting. Waste disposal facilities and capacities for types of waste currently generated, and waste that may be generated by the project, will be identified.

Historical, Architectural, Archeological, and Cultural Resources

A Cultural Resource Survey was completed as part of the 2015 Master Plan. The survey documents 14 newly recorded archaeological sites and 28 isolated finds. Historic building documentation was not a part of the study as DRO was constructed in 1973 and no other standing historic structures are within the survey area (airport property). The survey concluded that none of the isolated finds are eligible for inclusion on the NRHP due to their small size, lack of cultural context, and lack of archaeological depth, or further information potential. The study found seven potentially eligible sites. Additional survey work is recommended and will be completed as part of the EA.

Land Use

Impacts to existing land uses and zoning conditions, as well as how existing land uses may affect the alternatives will be evaluated in the EA.

Natural Resources and Energy Supply

The EA will include a general assessment of the impact alternatives may have on natural resources and energy supply. The basic infrastructure providing these resources will also be reviewed.

Noise and Compatible Land Use

The extent of noise as a result of aircraft operations at DRO was determined in the Master Plan using the FAA-approved computer simulation model Integrated Noise Model (INM-Version 7.0d). The INM produces Day-Night Average Sound Level (DNL) contours (i.e., lines of equal noise exposure). As shown in **Figure 1**, the 2013 65 DNL contour remains primarily within the DRO property boundary. It is also shown that no residences or other noise sensitive land uses are within the 65 DNL. As of May 29, 2015, the FAA is requiring the latest noise model, Aviation Environmental Design Tool (AEDT) version 2.0b be used to generate all noise contours for NEPA projects. As such the EA will include the preparation of new 65, 70, and 75 DNL contours for each terminal alternative.

Socioeconomic, Environmental Justice, and Children's Environmental Health and Safety Risks

The EA will discuss existing traffic patterns and capacity, demographics (income, employment, population, housing, public services and social conditions), and children's health and safety risk in the study area. Existing traffic volume data, to document traffic volume levels in the area, will also be collected. The EA will evaluate potential effects the proposed development actions may

have on the social and community aspects of the area. Road closures, realignments/relocations, and surface transportation disruptions will be identified and described where appropriate.

Visual Effects (including light emissions)

The EA will evaluate the potential for the alternatives to cause lighting or visual impacts on areas of unique natural beauty and historic or architectural significance. It will also be determined if lighting impacts other light sensitive land uses, such as residences.

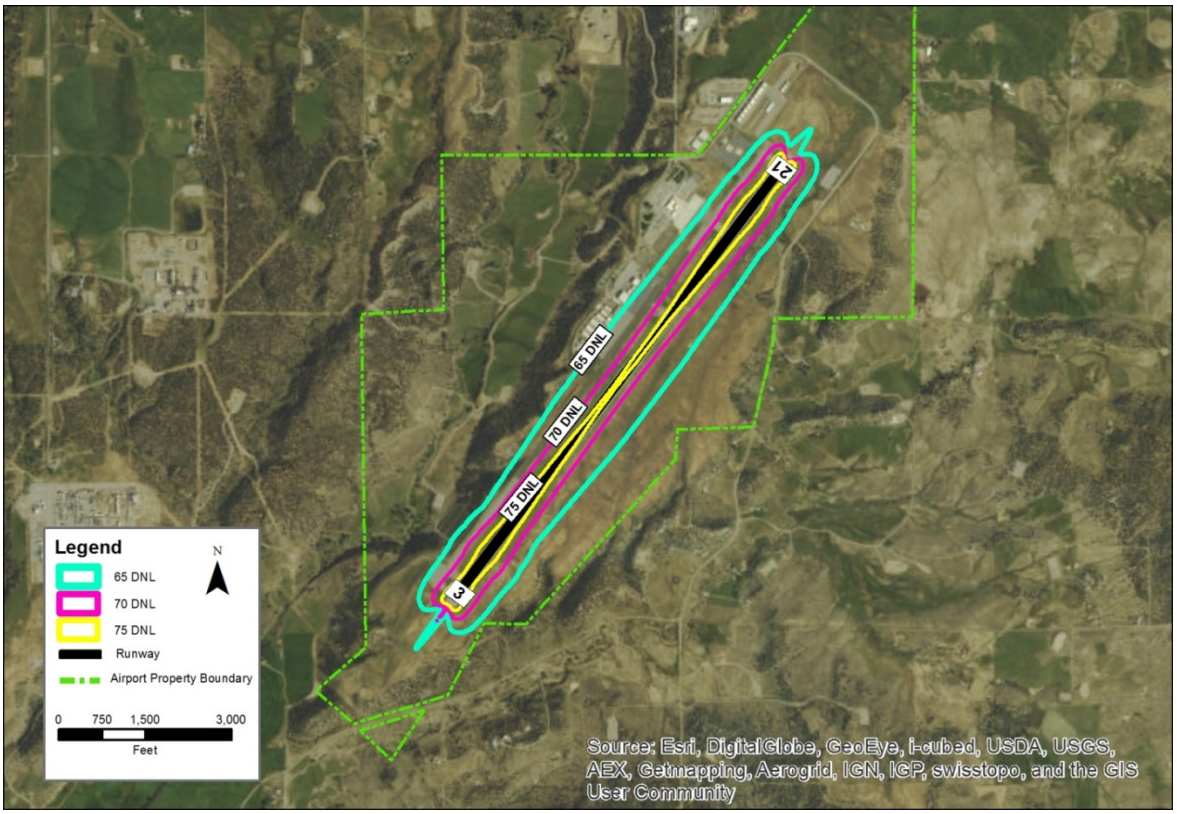
Water Resources (including wetlands, floodplains, surface waters, groundwater, and Wild and Scenic Rivers)

A wetland delineation, of Airport property, was conducted for the 2015 Master Plan. The Wetland and Waters of the U.S. Preliminary Jurisdictional Delineation Report found a total of six wetland verification areas. Other wetlands within the study area, totaling approximately 37 acres, were identified using the NWI classification method. In total, approximately 57 acres of potentially jurisdictional wetlands were delineated and mapped in the study area. See **Figure 2** for location of identified wetlands. Additional wetland delineation and reporting is necessary along the new entrance road corridor and will be completed as part of the EA.

The EA will also identify and evaluate potential impacts to other water resources such as floodplains, surface waters, groundwater, and wild and scenic rivers

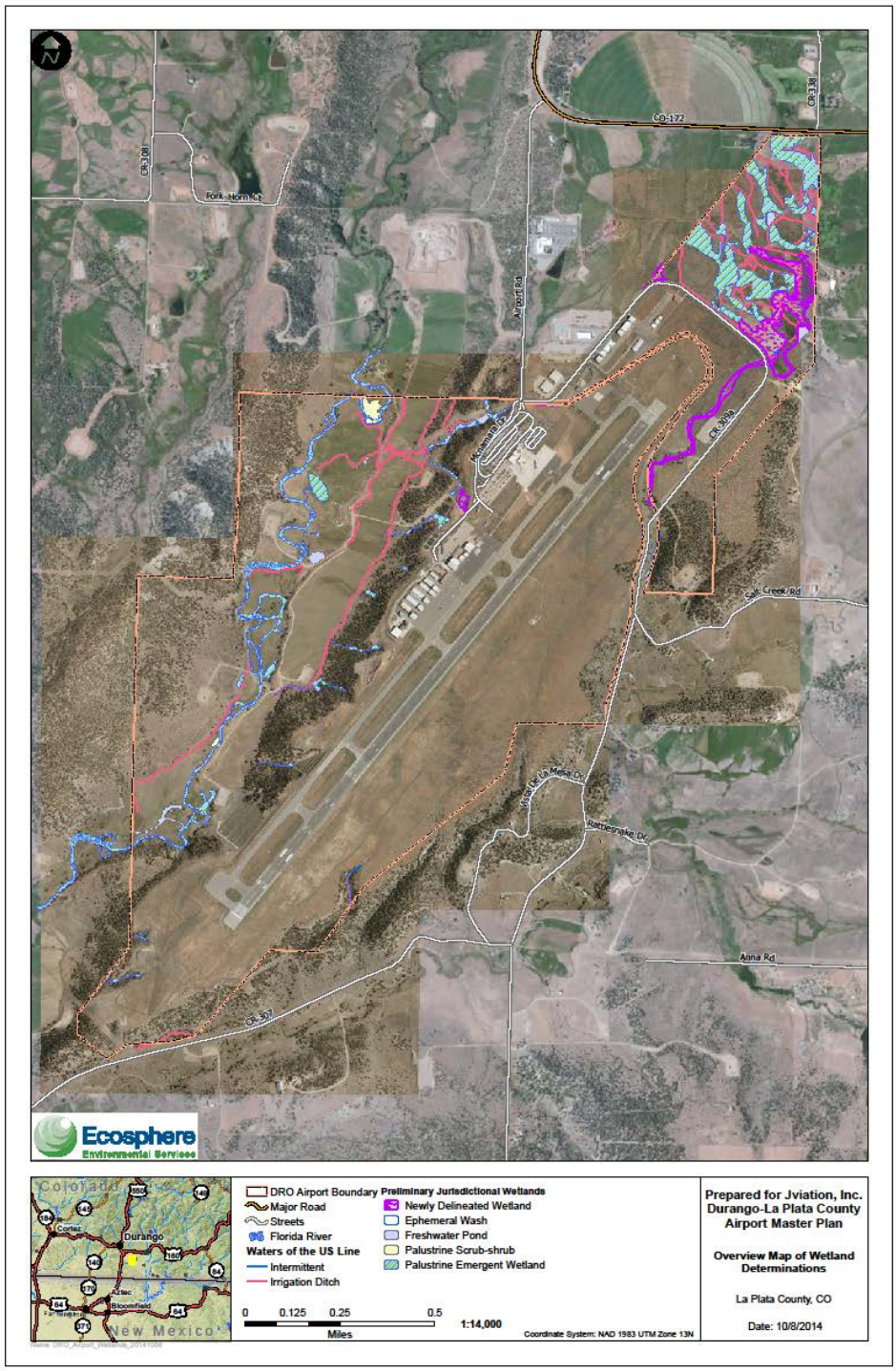
FIGURES

FIGURE 1 – 2013 65-75 DNL CONTOURS



Note: Not to scale
Source: KB Environmental Sciences, Inc.

FIGURE 2 – WETLANDS



Note: Not to scale
Source: Ecosphere Environmental Sciences, 2014

ATTACHMENT C: EA SCHEDULE

The following is a general schedule of the EA and how agencies can stay involved.

EA PROJECT SCHEDULE

Task	Date
Technical Analysis	October 2015 - April 2017
Draft EA	May 2017
Final Draft EA	July 2017
30-Day Public Review Period	July/August 2017
FAA Decision	October 2017
Final EA	November 2017

How Agencies Can Stay Involved

Agencies have been contacted as part of the initial coordination process. They are also receiving this coordination package that includes disclosure of alternatives considered in the EA, discussion of environmental resources to be assessed, and a list of all agencies on the Agency Coordination List (see **Attachment D**). The Draft EA will be placed on the project website and notification sent to interested agencies. Interested agencies will also be notified of the final draft EA release for review and comment.

ATTACHMENT D: AGENCY COORDINATION LIST

Carol Anderson
Environmental Protection Agency (EPA)
1595 Wynkoop St
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Colorado Department of Transportation (CDOT)
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Durango, CO 81301

Joann K. Chase, Director
Environmental Protection Agency (EPA)
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Washington, DC 20460

Jim Davis, Director
La Plata County Public Works
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Durango, CO 81301

Drue DeBerry
U.S. Fish & Wildlife Service (USFWS)
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Lakewood, CO 80228

Durango-La Plata County Airport Commission
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Durango, CO 81301

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Denver, CO 80202

Bert Garcia, Program Director
Environmental Protection Agency (EPA)
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Denver, CO 80202

Mark Garcia, Interim Town Manager
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Ignacio, CO 81137

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Gina Glenne
U.S. Fish & Wildlife Service (USFWS)
Western Colorado Ecological Service Office
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Grand Junction, CO 81501

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U.S. Army Corps / Durango Regulatory Office
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Denver, CO 80246

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Kandice Krull, Environmental Protection Specialist
Federal Aviation Administration
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City of Durango
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Durango, CO 81301

Paul Lee, Transportation Planner

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Denver, CO 80246

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Administrator Environmental Protection Agency (EPA)
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State Historic Preservation Office (SHPO)
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Art Palomares
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Kevin Ryan, State Engineer
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Stephanie Schuler, District Wildlife Manager

State of Colorado Department of Natural Resources
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Durango, CO 81301

Scott Storie, Aviation Planner
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Philip Strobel
Environmental Protection Agency (EPA)
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Denver, CO 80202

Dick Wolfe, State Engineer
State of Colorado Department of Natural Resources
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Denver, CO 80203

Meeting Agenda

New Airport Access/Intersection Discussion

Date: 2-18-16

Location: La Plata County Public Works - 1060 Main Avenue Ste 104

ATTENDEES:

Kip Turner - DRO	Thomas Humphrey - CDOT	Ben Gonzales - Jviation
Jim Davis – La Plata County Public Works	Colleen Cummings - Jviation	Shea Suski – FHU (phone)
Michael D McVaugh - CDOT	Travis Vallin – Jviation	Lyle DeVries – FHU (phone)

DETERMING THE AREA IMPACTED BY THE NEW AIPORT ACCESS/INTERSECTION

- Jviation process for determining alignment
  - RPZ
  - Airport Boundary
  - Intersection layout
- Other information that should be considered to determine impact area
  - CO 172 ROW width

NEXT STEPS

- Traffic Counts
- Cultural Resources Survey
- Wetland Survey
- Phase I Environmental Site Assessment
- Adjacent Land Owner Meeting – April 19, 2016
- Public Open Houses – April 20, 2016

FOLLOW UP MEETING(S)

- Follow-up meeting with CDOT/County – Late July 2016
- Public outreach meetings (Fall 2016)
- Adjacent land owner meeting (Fall 2016)

Destination: DRO

ENVIRONMENTAL ASSESSMENT

JOINT STUDY SESSION
APRIL 19, 2016

JVIATION

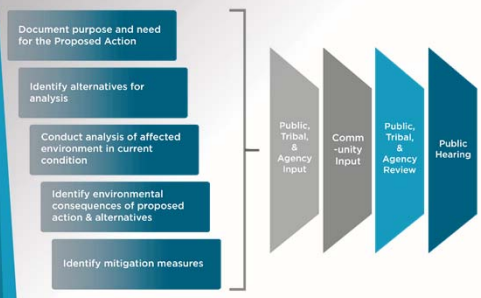
Why is an Environmental Assessment (EA) necessary and what is its purpose?

- The National Environmental Policy Act (NEPA) is a ***procedural law*** that applies to federal agencies including the FAA
- The objective of NEPA is informed decision making through full disclosure and documentation
- It is designed to promote coordination and communication with agencies and the public
- The ***purpose of the EA*** is to determine if a project has the potential to significantly affect the environment

AGENDA

1. Environmental Assessment (EA) Process
2. Master Plan Recommendations
3. Proposed Actions
4. EA Study Categories
5. Public Outreach & Next Steps

The EA will be a coordinated effort with public input gathered throughout the entire process……



THE ENVIRONMENTAL ASSESSMENT PROCESS

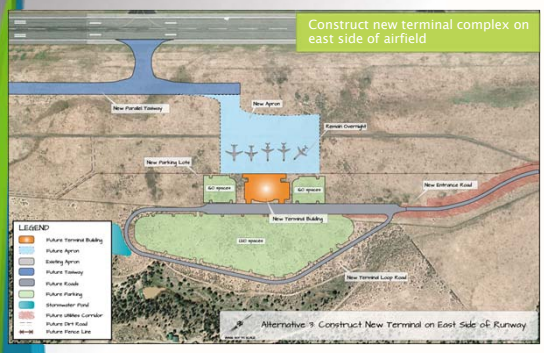
1

MASTER PLAN RECOMMENDATIONS

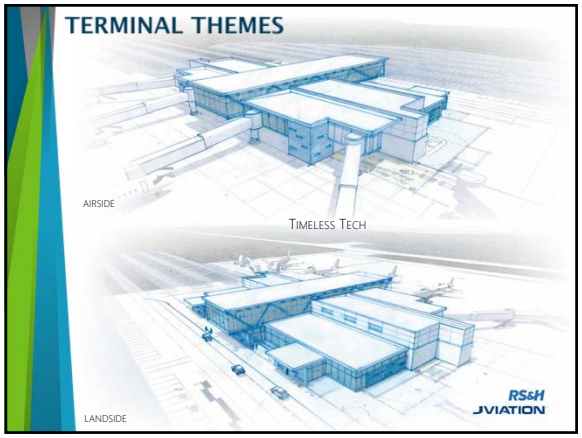
2

MASTER PLAN PREFERRED ALTERNATIVE:

Construct new terminal complex on east side of airfield

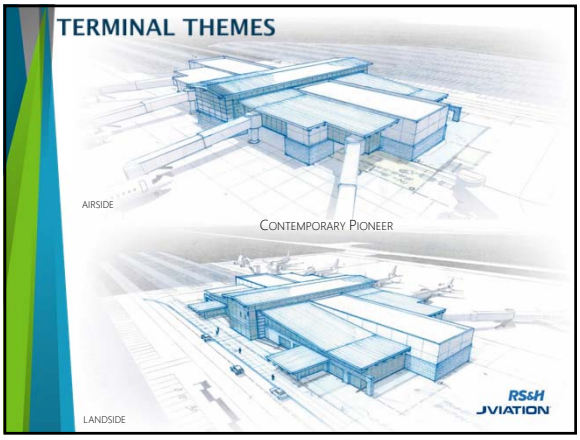


TERMINAL THEMES



TIMELESS TECH

TERMINAL THEMES



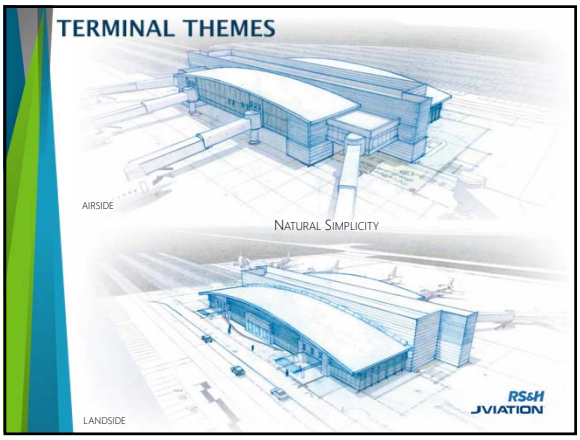
CONTEMPORARY PIONEER

TERMINAL TIMELINE

Based upon the analysis of needs and constraints of future long-range terminal development on the west side, the best alternative is to relocate terminal facilities to the east side of the airport.

- 2015–2017 Environmental Assessment
- 2018 – 2019 Design
- 2019 – 2021 Construction

TERMINAL THEMES



NATURAL SIMPLICITY

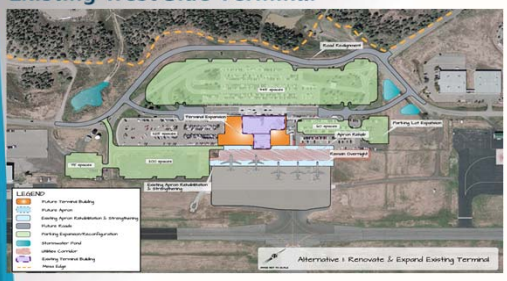
PROPOSED ACTIONS

3

PURPOSE & NEED

- ***Purpose*** –To increase the terminal facilities' level of service to the public and enhance the safety of the airport access road intersection.
- ***Need*** – To better meet the existing service and facility needs of DRO in a manner that allows for future growth and development.

ALTERNATIVE 1 – Renovate & Expand Existing West Side Terminal

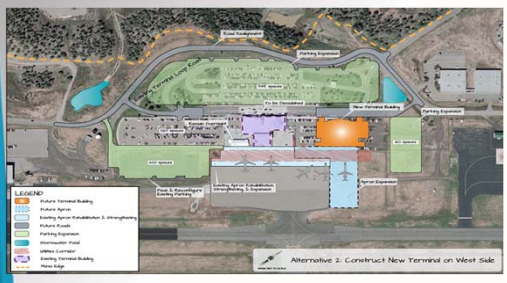


- Expand Terminal building to approx. 80,000 square feet
- Ongoing operational impact during construction
- Accommodate 5 aircraft parking positions – 4 gate and 1 overnight-only positions
- Expanded surface parking to accommodate a total of 1,500 spaces
- Realigned roadway system is required
- No future growth potential beyond 20-year Master Plan
- 20-year Master Plan full buildout cost is $141.5M

PROPOSED ACTIONS

- New or redeveloped terminal building
- New or expanded terminal parking
- Partial parallel taxiway (east side alternative only)
- Utility improvements
- New or realigned terminal loop road
- New Airport entrance road from SH172
- All identified alternatives will be carried through the entire EA evaluation

ALTERNATIVE 2 – New West Side Terminal

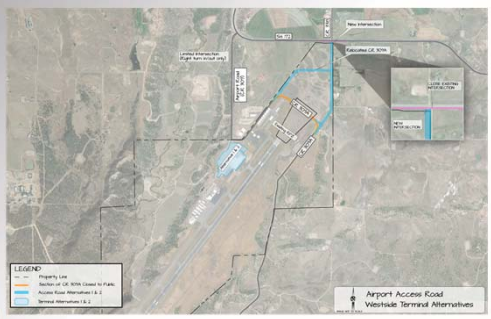


- Old terminal building would be demolished after construction of new terminal building
- Construction phasing done to minimize impacts to airport operations
- Accommodate 5 aircraft parking positions – 4 gate and 1 overnight-only positions
- Expand surface lot parking to accommodate a total of 1,500 spaces
- Realigned roadway system is required
- No future growth potential beyond 20-year Master Plan
- 20-year Master Plan full buildout cost is $133.6M

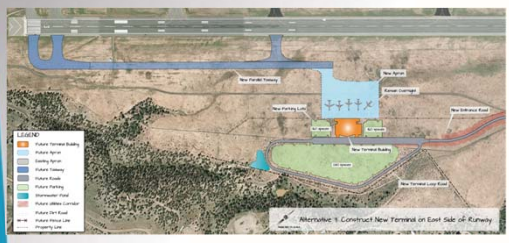
NO ACTION ALTERNATIVE

- High building maintenance costs
- Inadequate surface parking
- Inadequate aircraft parking positions
- Inadequate air carrier, security, and baggage makeup space
- Poor customer experience
- Existing conditions remain - no capital improvements will be completed
- Safety issues at Intersection SH172 & CR309 will not be addressed
- Intersection sight distance limitations will remain
- Intersection continues to be designated as top priority for safety improvements

ALTERNATIVES 1 & 2 - Airport Access Road

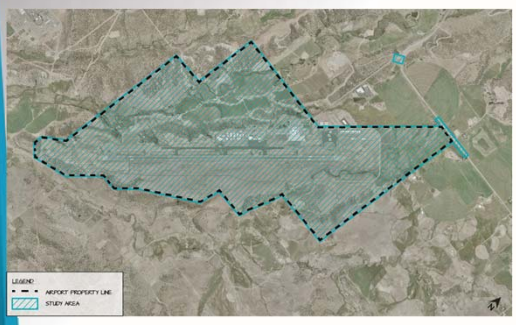


ALTERNATIVE 3 – New East Side Terminal

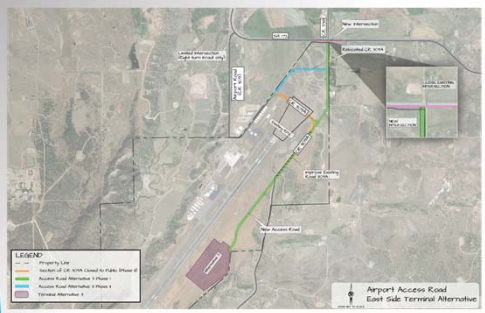


- No phasing required and minimal airport operational impact
- Sustainable design principles with high performance systems to reduce building's operational costs
- Accommodate 5 aircraft parking positions – 4 gate and 1 overnight-only positions
- Expanded surface parking to accommodate a total of 1,500 spaces
- New terminal roadway system and utility infrastructure
- Least expensive option at full build-out
- Future expansion options preserved beyond Master Plan's 20-year program
- 20-year Master Plan full buildout cost is $131.5M

Direct Study Area (field inventory & future limits of disturbance)

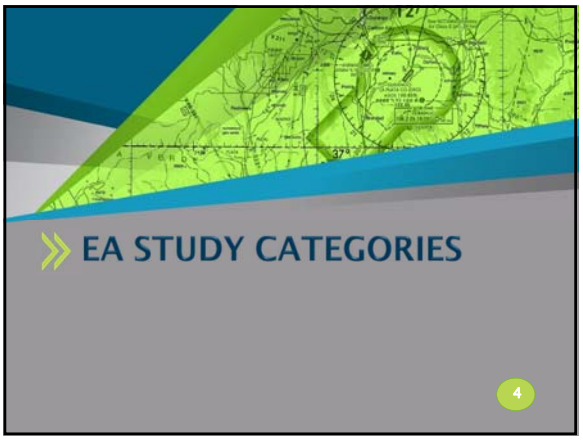


ALTERNATIVE 3 - Airport Access Road



The EA will include the following categories per FAA Order 1050.1F & 5050.4B…

Air Quality	Historical, Architectural, Archeological & Cultural Resources
Biological Resources	Natural Resources & Energy Supply
Climate	Noise & Compatible Land Use
Dept. of Transportation, Section 4(f)	Socioeconomic Impacts, Environmental Justice, Children's Health & Safety Risks
Farmlands	Visual Effects
Hazardous Materials, Solid Waste & Pollution Prevention	Water Resources – wetlands and water quality



EA STUDY CATEGORIES

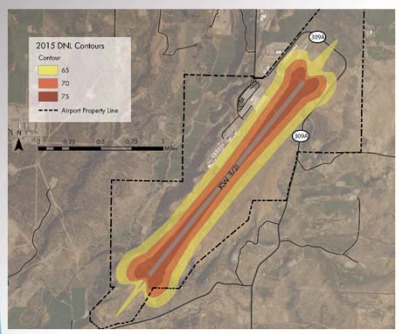
4

WETLANDS

- Wetland delineation completed as part of Master Plan
- Additional survey to be done as part of the EA (delineation map to be updated)

2015 Durango -La Plata County Airport Master Plan, Ecosphere

2015 NOISE CONTOURS



2015 Durango -La Plata County Airport Master Plan, KB Environmental Sciences

TRAFFIC STUDY

- Will identify future traffic impacts
- Peak hour intersection traffic counts will be taken at:
  - SH172/CR309
  - CR309/CR309A
  - SH172/CR338
- Intersection evaluation will be done for CR309/CR309A
- 24 hour traffic counts will be done at key roadway segments
- Study period is May-June 2016

Master Plan Survey identified habitat areas for the following:

Southwestern Willow Flycatcher – Endangered Species

New Mexico Jumping Mouse – Endangered Species

Bald Eagle

The Airport is within a bird conservation region

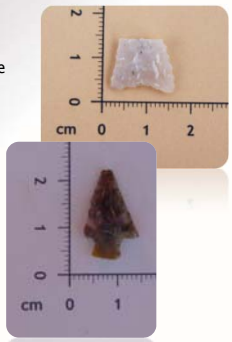
Field surveys will be underway throughout the summer

OUTREACH & NEXT STEPS

5

CULTURAL RESOURCES

- Preliminary field assessment is complete & 7 potential sites have been identified
- Field surveys will be underway throughout the spring
- Work is being coordinated with the Tribes



Coordination is key throughout the process…

Over the 18 month EA project, a series of meetings and coordination will occur with:

- Adjacent Landowners
- City of Durango
- Colorado Department of Transportation – Access Management, Environmental Program, Aeronautics
- Colorado Parks & Wildlife
- Federal Aviation Administration
- La Plata County – Administration, Historic Preservation, Planning, Public Works
- Southern Ute Indian Tribe and other Indian tribes
- State Historic Preservation Office
- Town of Ignacio
- U.S. Army Corps of Engineers
- U.S. Environmental Protection Agency
- And others as identified through the process

OUTREACH EFFORTS

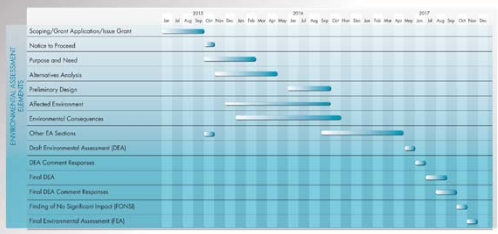
- Coordination Meetings
- Community Open Houses
- Civic and Community
- Social Media
- Presentations
- Airport Advisory Commission
- Joint Study Sessions with Elected Officials
- Public Hearing

FACEBOOK:
www.facebook.com/DROAirport

TWITTER:
https://twitter.com/DROAirport

DESTINATION DRO WEBSITE:
www.flydurango.com
Select *Airport Environmental Assessment* for project related documents

PROJECT SCHEDULE



NEXT STEPS

- Completion of Purpose & Need Chapter and documentation of Alternatives
- Initiate Preliminary Engineering Design
- Field Surveys and Documentation
- Ongoing Agency & Tribal Coordination
- ***Fall 2016 Community Meeting***

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970.382.6051

Colleen Cummins, Project Manager
colleen.cummins@jviation.com
720.544.6508

PLEASE SIGN NEXT TO YOUR NAME

DRO EA Land Owner Meeting
April 19, 2016

Signature	Last Name	First Name	Business	Mailing Address	Phone Number	E-mail
	Alexander	Mary Anne		2126 CR 309A, Ignacio, CO 81137		
	Alexander	Byron		2126 CR 309A, Ignacio, CO 81137		
SZ Barly	Barkley	Steven Lee		7300 CR 307, Ignacio, CO 81137		
	Hawk	Andy	BP America Production Co.	380 Airport Road, Durango, CO 81303		
	Brann	Jennifer		1627 CR 309A, Ignacio, CO 81137		
	Brann	Jerrid		1627 CR 309A, Ignacio, CO 81137		
	Dalton	Linda		70 CR 338, Ignacio, CO 81137		
	Dalton	John		70 CR 338, Ignacio, CO 81137		
	Hronich	Megan		764 Vista de la Mesa Dr, Ignacio, CO 81137		
MH	Hronich	Kevin		764 Vista de la Mesa Dr, Ignacio, CO 81137		
	Huston	Billie		6561 St Hwy 172, Ignacio, CO 81137		
	Jacobson	Jaren		1658 CR 309A, Ignacio, CO 81137		
			Koinonia Properties LLC	820 Airport Rd, Durango, CO 81303		
Allen McCaw	McCaw	Allen		6581 St Hwy 172, Ignacio, CO 81137		
	McCaw	David		35 CR 338, Ignacio, CO 81137		
Allen McCaw	McCaw	Jerry		7063 St Hwy 172, Ignacio, CO 81137		
	McCaw	Jolene		35 CR 338, Ignacio, CO 81137		
Allen McCaw	McCaw	Meghan		6581 St Hwy 172, Ignacio, CO 81137		
Paul	McCaw	Paul	McCaw Cattle, LLC	5881 St Hwy 172, Ignacio, CO 81137		Send copy of boards via mail
	McCoy	Shelly R.		1923 CR 309A, Ignacio, CO 81137		
	McCoy	Wm Todd		1923 CR 309A, Ignacio, CO 81137		
	Miller	Dawn R.		PO Box 1021, Ignacio, CO 81137		
	Mohar	John		1662 CR 309A, Ignacio, CO 81137		
	Mohar	Veatrice		1662 CR 309A, Ignacio, CO 81137		
	Poer	Margaret		2510 W 3rd Ave, Durango, CO 81301		
	Rea	Earl Lowell Jr,		329 Salt Creek Rd, Ignacio, CO 81137		
	Rea	Arlene		1911 CR 309A, Ignacio, CO 81137		
	Reed	Joan		172 Salt Creek Rd, Ignacio, CO 81137		
	Reed	Terry		172 Salt Creek Rd, Ignacio, CO 81137		

PLEASE SIGN NEXT TO YOUR NAME

DRO EA Land Owner Meeting
April 19, 2016

Signature	Last Name	First Name	Business	Mailing Address	Phone Number	E-mail
	Salvo	Marisa		560 Vista de la Mesa Dr, Ignacio, CO 81137		
	Salvo	Robert		560 Vista de la Mesa Dr, Ignacio, CO 81137		
	Small	Allen		2510 W 3rd Ave, Durango, CO 81301		
	Thibodeaux	Steven		1658 CR 309A, Ignacio, CO 81137		
Carolyn L Watson	Watson	Carolyn		778 Salt Creek Rd, Ignacio, CO 81137		
	Williams	Craig		80 Salt Creek Rd, Ignacio, CO 81137		
	STOCKTON	KEVIN	RS+H			
	Feldburg Holt & Ulvang	Lyle	FHU			
Robert	Seibert	Robert + Pat				
Lisa Turner	Turner	Lisa				
	FASSBENDER	KEITH.		1189 AIRPORT RD DURANGO	81303	

Destination: DRO

ENVIRONMENTAL ASSESSMENT

COMMUNITY MEETING
APRIL 2016

JVIATION

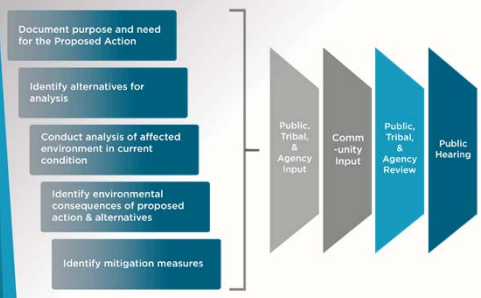
Why is an Environmental Assessment (EA) necessary and what is its purpose?

- The National Environmental Policy Act (NEPA) is a ***procedural law*** that applies to federal agencies including the FAA
- The objective of NEPA is informed decision making through full disclosure and documentation
- It is designed to promote coordination and communication with agencies and the public
- The ***purpose of the EA*** is to determine if a project has the potential to significantly affect the environment

AGENDA

1. Environmental Assessment (EA) Process
2. Master Plan Recommendations
3. Proposed Actions
4. EA Study Categories
5. Public Outreach & Next Steps

The EA will be a coordinated effort with public input gathered throughout the entire process……



THE ENVIRONMENTAL ASSESSMENT PROCESS

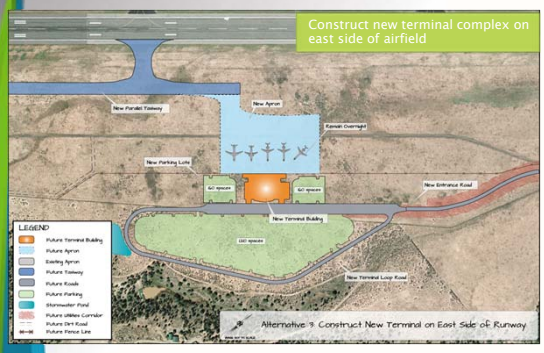
1

MASTER PLAN RECOMMENDATIONS

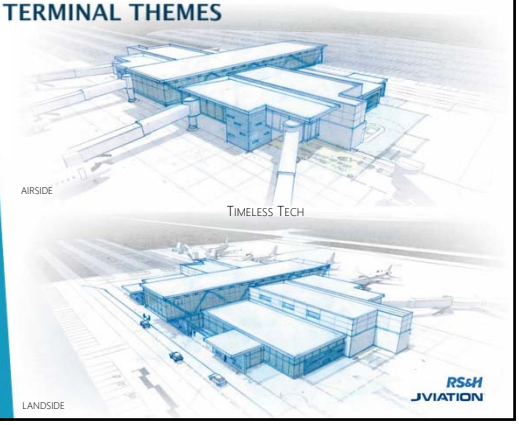
2

MASTER PLAN PREFERRED ALTERNATIVE:

Construct new terminal complex on east side of airfield

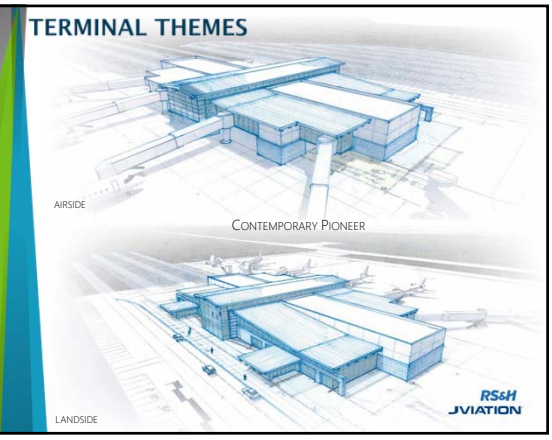


TERMINAL THEMES



TIMELESS TECH

TERMINAL THEMES



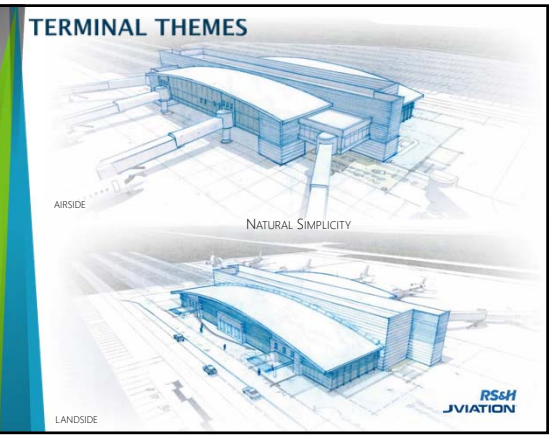
CONTEMPORARY PIONEER

TERMINAL TIMELINE

Based upon the analysis of needs and constraints of future long-range terminal development on the west side, the best alternative is to relocate terminal facilities to the east side of the airport.

- 2015–2017 Environmental Assessment
- 2018 – 2019 Design
- 2019 – 2021 Construction

TERMINAL THEMES



NATURAL SIMPLICITY

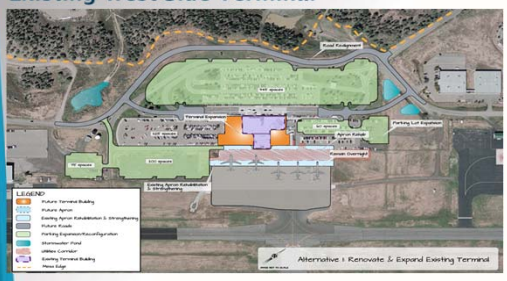
PROPOSED ACTIONS

3

PURPOSE & NEED

- ***Purpose*** –To increase the terminal facilities' level of service to the public and enhance the safety of the airport access road intersection.
- ***Need*** – To better meet the existing service and facility needs of DRO in a manner that allows for future growth and development.

ALTERNATIVE 1 – Renovate & Expand Existing West Side Terminal

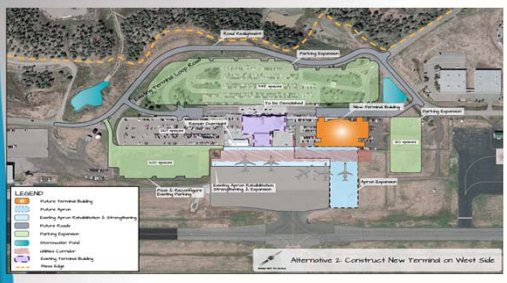


- Expand Terminal building to approx. 80,000 square feet
- Ongoing operational impact during construction
- Accommodate 5 aircraft parking positions – 4 gate and 1 overnight-only positions
- Expanded surface parking to accommodate a total of 1,500 spaces
- Realigned roadway system is required
- No future growth potential beyond 20-year Master Plan
- 20-year Master Plan full buildout cost is $141.5M

PROPOSED ACTIONS

- New or redeveloped terminal building
- New or expanded terminal parking
- Partial parallel taxiway (east side alternative only)
- Utility improvements
- New or realigned terminal loop road
- New Airport entrance road from SH172
- All identified alternatives will be carried through the entire EA evaluation

ALTERNATIVE 2 – New West Side Terminal

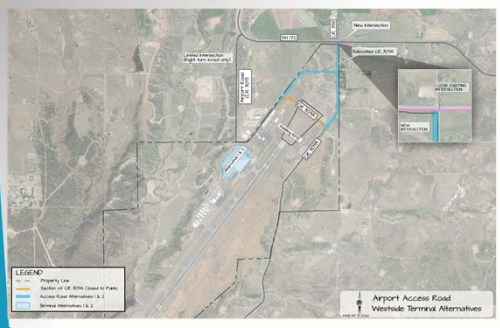


- Old terminal building would be demolished after construction of new terminal building
- Construction phasing done to minimize impacts to airport operations
- Accommodate 5 aircraft parking positions – 4 gate and 1 overnight-only positions
- Expand surface lot parking to accommodate a total of 1,500 spaces
- Realigned roadway system is required
- No future growth potential beyond 20-year Master Plan
- 20-year Master Plan full buildout cost is $133.6M

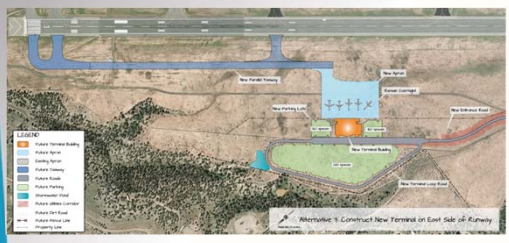
NO ACTION ALTERNATIVE

- High building maintenance costs
- Inadequate surface parking
- Inadequate aircraft parking positions
- Inadequate air carrier, security, and baggage makeup space
- Poor customer experience
- Existing conditions remain - no capital improvements will be completed
- Safety issues at Intersection SH172 & CR309 will not be addressed
- Intersection sight distance limitations will remain
- Intersection continues to be designated as top priority for safety improvements

ALTERNATIVES 1 & 2 - Airport Access Road

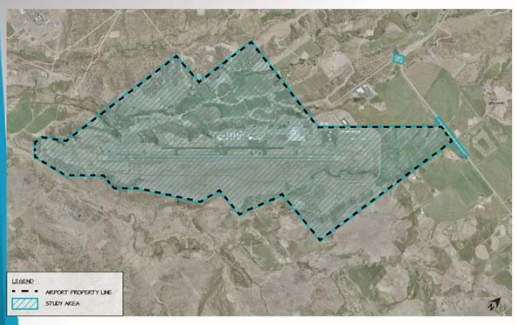


ALTERNATIVE 3 – New East Side Terminal

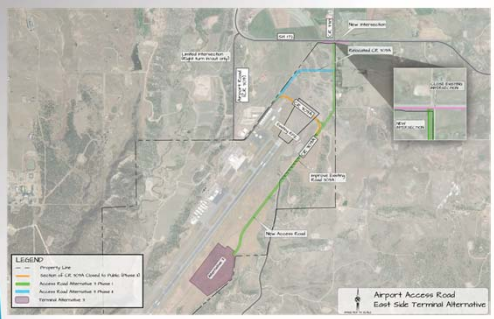


- No phasing required and minimal airport operational impact
- Sustainable design principles with high performance systems to reduce building's operational costs
- Accommodate 5 aircraft parking positions – 4 gate and 1 overnight-only positions
- Expanded surface parking to accommodate a total of 1,500 spaces
- New terminal roadway system and utility infrastructure
- Least expensive option at full build-out
- Future expansion options preserved beyond Master Plan's 20-year program
- 20-year Master Plan full buildout cost is $131.5M

Direct Study Area (field inventory & future limits of disturbance)



ALTERNATIVE 3 - Airport Access Road



The EA will include the following categories per FAA Order 1050.1F & 5050.4B…

Air Quality	Historical, Architectural, Archeological & Cultural Resources
Biological Resources	Natural Resources & Energy Supply
Climate	Noise & Compatible Land Use
Dept. of Transportation, Section 4(f)	Socioeconomic Impacts, Environmental Justice, Children's Health & Safety Risks
Farmlands	Visual Effects
Hazardous Materials, Solid Waste & Pollution Prevention	Water Resources – wetlands and water quality

EA STUDY CATEGORIES

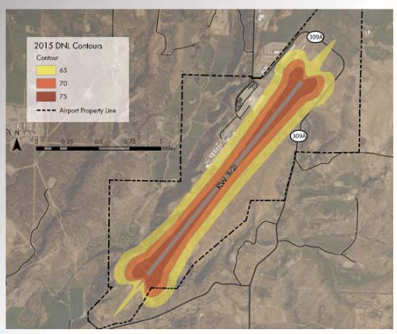
4

WETLANDS

- Wetland delineation completed as part of Master Plan
- Additional survey to be done as part of the EA (delineation map to be updated)

2015 Durango -La Plata County Airport Master Plan, Ecosphere

2015 NOISE CONTOURS



2015 Durango -La Plata County Airport Master Plan, KB Environmental Sciences

TRAFFIC STUDY

- Will identify future traffic impacts
- Peak hour intersection traffic counts will be taken at:
  - SH172/CR309
  - CR309/CR309A
  - SH172/CR338
- Intersection evaluation will be done for CR309/CR309A
- 24 hour traffic counts will be done at key roadway segments
- Study period is May-June 2016

Master Plan Survey identified habitat areas for the following:

Southwestern Willow Flycatcher – Endangered Species

New Mexico Jumping Mouse – Endangered Species

Bald Eagle

The Airport is within a bird conservation region

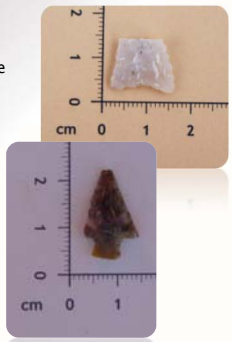
Field surveys will be underway throughout the summer

OUTREACH & NEXT STEPS

5

CULTURAL RESOURCES

- Preliminary field assessment is complete & 7 potential sites have been identified
- Field surveys will be underway throughout the spring
- Work is being coordinated with the Tribes



Coordination is key throughout the process…

Over the 18 month EA project, a series of meetings and coordination will occur with:

- Adjacent Landowners
- City of Durango
- Colorado Department of Transportation – Access Management, Environmental Program, Aeronautics
- Colorado Parks & Wildlife
- Federal Aviation Administration
- La Plata County – Administration, Historic Preservation, Planning, Public Works
- Southern Ute Indian Tribe and other Indian tribes
- State Historic Preservation Office
- Town of Ignacio
- U.S. Army Corps of Engineers
- U.S. Environmental Protection Agency
- And others as identified through the process

OUTREACH EFFORTS

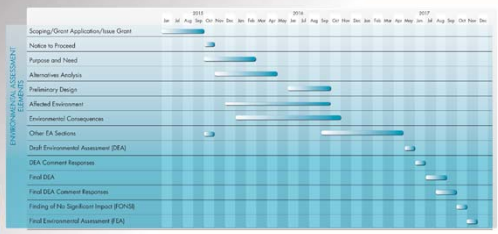
- Coordination Meetings
- Community Open Houses
- Civic and Community
- Social Media
- Presentations
- Airport Advisory Commission
- Joint Study Sessions with Elected Officials
- Public Hearing

FACEBOOK:
www.facebook.com/DROAirport

TWITTER:
https://twitter.com/DROAirport

DESTINATION DRO WEBSITE:
www.flydurango.com
Select *Airport Environmental Assessment* for project related documents

PROJECT SCHEDULE



NEXT STEPS

- Completion of Purpose & Need Chapter and documentation of Alternatives
- Initiate Preliminary Engineering Design
- Field Surveys and Documentation
- Ongoing Agency & Tribal Coordination
- ***Fall 2016 Community Meeting***

Kip Turner, DRO Director of Aviation
kip.turner@durangogov.org
970.382.6051

Colleen Cummins, Project Manager
colleen.cummins@jviation.com
720.544.6508

COMMENT CARD

Name (optional): Reed

Address (optional): 172 Salt Creek Rd

Phone (optional):

Email (optional):

COMMENTS:

Noise of Planes

Lights of Tower Hitting house

Home Value Falling

COMMENT CARD

Name (optional): Wayne Semler

Address (optional):

Phone (optional):

Email (optional):

COMMENTS: COST 138 mill +++ economic benefit 258 mil ??? — —.

Let those who use ~~and~~ those who Benefit pay for it.

Sales tax everybody pays, property tax some pay.

Hiway safety

Durango wants Let Durango pay for it

COMMENT CARD

1 of 2

Name (optional): Patty Mickey

Address (optional):

Phone (optional):

Email (optional):

COMMENTS: No Action is my choice but is it comes to pass it should not be a property tax but a sales tax. The entrance needs to be moved to the west end of the county property not the east side 309 A runs in front of businesses so that road would need to stay there.

Wildlife will be greatly effect as well

COMMENT CARD

2 of 2

Name (optional): Patty Mickey

Address (optional):

Phone (optional):

Email (optional):

COMMENTS: as water (irrigation and ~~water~~ ground water) will be ~~affect~~ effected negatively

COMMENT CARD 1 of 2

Name (optional): Our irrigation wastewater is
Address (optional): currently coming from the area
Phone (optional): of the wetland definiation through
Email (optional): current runoff and ditch system.
COMMENTS: I spoke with tom Fiddler and was told that the ditch systems that carry the water cannot be changed (Tom - water commisioner) I am concerned about that wet land. Where that is currently channeled is at the NE corner of the runway on 309-A

page 1 Sandy Seibert

COMMENT CARD Wild life impact 2 of 2

Name (optional): With out the wetlands and
Address (optional): Collection of water ~~there~~ its
Phone (optional): negatively will impact existing
Email (optional): wild life. upset that the
COMMENTS: eagle tree has already been taken down so have impacted them a few years ago. The deer ~~are~~ heavily cross currently also at the NE end of the runway south of the DOT test tract and 1/2 south of the DOT track

Sandy Seibert page 2

COMMENT CARD

Name (optional): Ralph Klussman

Address (optional):

Phone (optional):

Email (optional):

COMMENTS:

The no action Alternative is the best action that can be taken. A sales tax would be better than a property tax with an airport user fee being the best way to fund an airport NO NEW Taxes is best

COMMENT CARD

Name (optional): Craig Wilbond

Address (optional):

Phone (optional):

Email (optional):

COMMENTS: I prefer the existing site!

COMMENT CARD

Name (optional): _____

Address (optional): _____

Phone (optional): _____

Email (optional): _____

COMMENTS: Well done - information was well thought out & I love the idea of the expansion & modernization of the facilities.

Environmental Assessment Open House Sign-In Sheet

	Name	Zip Code	Telephone	Email Address
1	Patty Meeky	81137	884-9255	
2	Theresa Ancell	81303	759-5023	tancell@southernute-nsn.com
3	CRAIG WILLIAMS	81137	749-1952	—
4	Robert Seibert	11137		—
5	Terry Reed	81137	769-1424	
6	Kevin Miller	81137	563-0220	kmiller@southernute-nsn.gov
7	Steve Whiteman	81137	563-0130	swhiteman@southernute-nsn.gov
8	Wayne Semler	81122	884-2663	
9	Ellen Harris	81137	970 903-7387	eeharris@durango.net
10	Sandy Seibert	81137	9702491376	
11	Lena Atencio	81137	9705630125	latencio@southernute-nsn.gov
12	Germaine Ewing	81137	563-0125	gewing@southernute-NSN.GOV
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Environmental Assessment Open House Sign-In Sheet

	Name	Zip Code	Telephone	Email Address
22	Carole McWilliams	81122	884-2331	news@pineriivertimes.com
23	Ralph Klusman	81137	563-4406	K
24	Dan Thomson	81137		
25	Julie Westendorf			
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41				
42				

COMMENT CARD

Name (optional): Bud MACAulay

Address (optional):

Phone (optional):

Email (optional): Ford292000@Yahoo.com.

COMMENTS:

Biggest hurdle will be funding.
Sugest: Scaled Back plan
: Bond - GOA.
: make all users fund.
ie Farmington
: ~~Rent~~ Get Airlines to help
fund terminal.

COMMENT CARD

Name (optional): CHARLES MACKOWN

Address (optional): 531 FRONTIER DR

Phone (optional):

Email (optional):

COMMENTS: WHERE IS THE ARCHEOLOGIST?

COMMENT CARD

Name (optional): Jim Ketter
Address (optional):
Phone (optional): 970.946.5630
Email (optional): kpmc@mydurango.net
COMMENTS: Great job! Looks like you have a great process going.

COMMENT CARD

Name (optional): Tonya McKNIGHT
Address (optional): ANIMAS VALLEY RESIDENT
Phone (optional):
Email (optional): moodymcKnight@gmail.com
COMMENTS:

ALL FOR A NEW FACILITY!

LIKE THE SLOPED ROOF IDEAS.

FLAT ROOFS IN OUR SEASONS NOT THE BEST DESIGN-MY OPINION.
THANK YOU FOR YOUR EFFORTS.

COMMENT CARD

Name (optional): John Gilleland

Address (optional):

Phone (optional):

Email (optional): johnnyg@cjgravel.com

COMMENTS:

I support the new airport to help bolster economic growth in our area. I would also support Alternative (3). We should not be short sided.

COMMENT CARD

SEE BACK

Name (optional): Allen McCaw

Address (optional): 6581 State Highway 172 Ignacio, CO 81137

Phone (optional): (970) 799 2462

Email (optional): jallenmccaw@gmail.com

COMMENTS: 5. If bond fails, does road fail as well.

1. New Road alignment should be looked at to miss wildlife trees (raptors) and large spring.

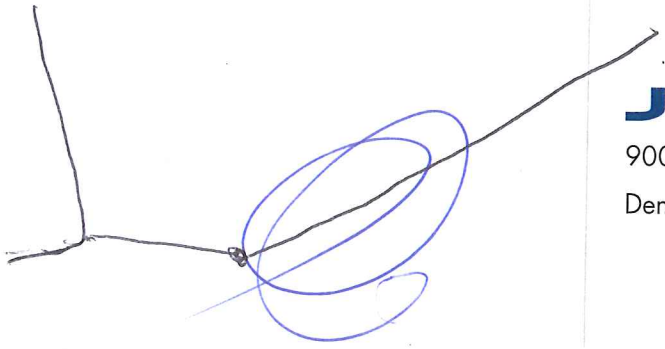
2. How will noise and dust impacts be addressed for new road?

3. How will water rights and ditches be moved?

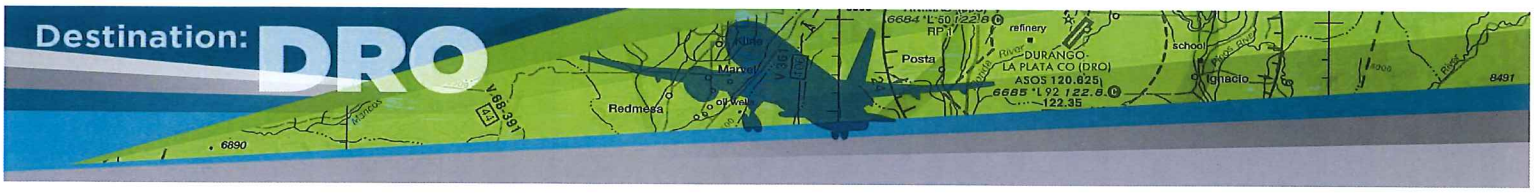
4. Is current CDOT ROW wide enough for intersection?

6. EA should encompass North side of Hwy 172.

7.

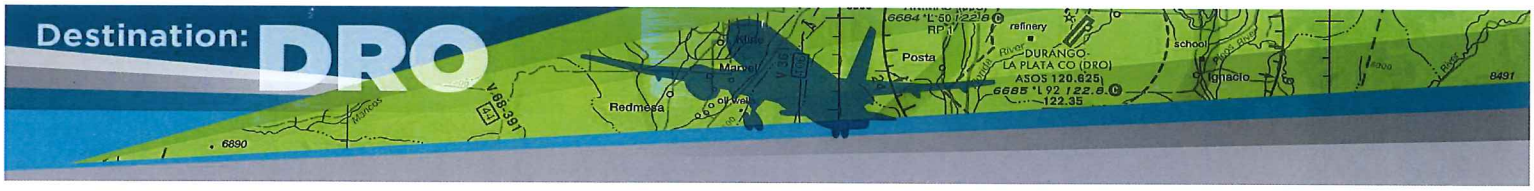


JVIATION®
900 S. Broadway, Suite 350
Denver, CO 80209



Environmental Assessment Open House Sign-In Sheet

	Name	Zip Code	Telephone	Email Address
43	Sandy Alexander	81326	817-658-6643	
44	Kreacus Sewell	81303	9703752191	
45	Allen McCaw	81137	9707992466	
46	Karren Lettle	81301	970-3828897	
47	Matt Murraro	81301	970-385-1433	
48	Ann McCoy Harrold	81122	970-415-7416	
49	Brian Gideon	81301	970-563-4780	bg.bcon@southernute-nsn.gov
50	Jessica Pace	81301	970-375-4586	
51	Lyle McKnight	81301	970 759-1021	lyle@lylemcknight.com
52	Tonya McKnight	81301	Same	as above
53	Charles MacKown	81137	970-426-1692	
54	John Gillegaard	81303	970-759-4112	johnnyg@cjgravel.com
55	Gary Fenington	81303	247-8477	
56	Bud MacAulay	81303	426-8148	
57	Julie Westendorf			
58	Jim Ketter	81301	946-5630	kpmc@mydurango.net
59	Brad Blake	81303	749-718	bbmech@frontier.net
60	Doug Lyon	81301	560-175	
61				
62				
63				



Environmental Assessment Open House Sign-In Sheet

	Name	Zip Code	Telephone	Email Address
1	Jason Mietchen	81137	563-4780	jmietchen@southernute-nsn.gov
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APRIL 20, 2016

Meeting Notes

Agency Meeting

Date: May 25, 2016

Time: 8:00 AM

Location: CDOT Region 5 Office, 3803 North Main Ave Ste 100 Durango, CO

ATTENDEES:

Colleen Cummins - Jviation	Joe Kerby - La Plata County Manager	Dan Murphy, County Planning
Travis Vallin - Jviation	Tony Vicari -DRO	Jim Davis - Public Works Director
Kandice Krull - FAA	Kip Turner - DRO	Michael McVaugh - CDOT
Janell Barrilleaux - FAA	Daniel Murray, County Planning	Tony Cady - CDOT

1. Purpose of meeting: Opportunity for FAA, CDOT, County, Airport, and Jviation to discuss road alignment and EA process and schedule.

2. New Roadway – Figures handed out to show proposed alignment compared to prior proposal and in relation to wetlands, cultural sites, and utilities. The new alignment reduces impacts to wetlands and existing utility lines. The below text summarizes the discussion.
   A. Introducing curvature to the new roadway will slow traffic in a positive way and should reduce speeding issues.
      - Anticipate posted speed limit of 35-45 and design should be done for 10 miles per hour over posted.
   B. The new roadway will likely be a two-lane county road at inception but is anticipated to grow to a three or four lane road in the future (outside timeframe of analysis included in Environmental Assessment). Design to be based on 20-year traffic count forecast.
   C. The new roadway appears to cross existing natural gas lines which could be costly. The project may necessitate lowering the lines.
   D. The new 172 intersection will likely need to be signalized or a high-speed rural roundabout could also be considered.
   E. A round-about could also be considered at the CR309A and new access roadway intersection.
   F. Shoulders need to be incorporated on the new roadway. Vehicle breakdowns will cause undue delays if they are not.
   G. In the event that the majority of the vehicle traffic is diverted to the new access road (the case if terminal moves to east side), can the existing intersection remain a full intersection instead of right in, right out? This would eliminate the need to relocate CR309A out of the runway protection zone (RPZ), as it could simply be closed in that location.
      - CDOT responded they would be open to this idea in the event that traffic counts determine that the remaining general aviation vehicle traffic would fall below an acceptable safety threshold.

        - The average daily traffic (ADT) should be looked at to determine level of service safety; result will determine if intersection could remain as is for now.
    - The existing intersection cannot be signalized due to limited sight distance.
    - CDOT added that future developers of the west side of the airfield could be asked to help pay for a CR309A relocation outside the RPZ as growing traffic counts once again limit the existing intersection to right in, right out.
        - City may want to start collecting development fees to help pay for relocation of 309A in future if this is the case.
    - FHU to analyze traffic going to the terminal versus to general aviation area versus CR309A.
    - FHU also needs to consider traffic using old terminal should facilities move to the east.

H. The new HWY 172 intersection could be included in an updated CDOT Surface Transportation Improvement Plan (STIP).
    - A revised STIP will be completed in next few years.

I. The State Infrastructure Bank could be a potential source of affordable funding – 1.8% interest rate.

3. Terminal Facility

J. FAA noted that the terminal re-use must be included throughout all analysis.

4. Environmental Considerations

K. Biological review should include state-listed species within 172's right-of-way. If Ecosphere isn't including in their analysis, CDOT may be able to do.

ACTION ITEMS:

I. Business Park Development Study – Joe Kerby to send to Jviation

II. Wetland Delineation – Colleen Cummins to coordinate with Ecosphere regarding updated alignment.
    - *Colleen coordinated with Ecosphere as needed and wetland delineation field work was completed in June 2016.*

III. Jviation to coordinate with FHU regarding analysis.
    - *On-going.*

Destination: DRO

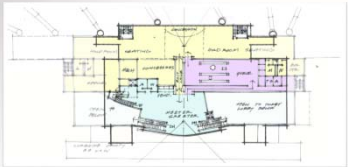
JOINT STUDY SESSION

FEBRUARY 14, 2017

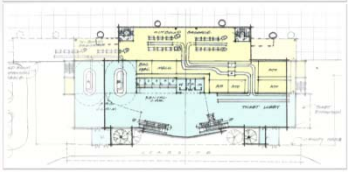
PREFERRED REPLACEMENT TERMINAL

PAL 0
TOTAL GROSS AREA: 77,800 SF

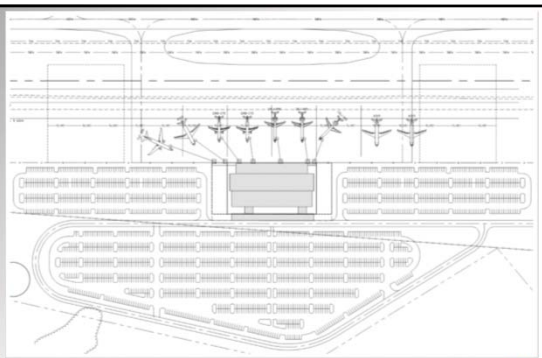
UPPER LEVEL



LOWER LEVEL



JVIATION



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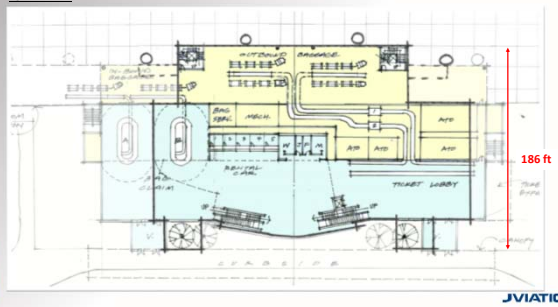
PREFERRED REPLACEMENT TERMINAL

LOWER LEVEL



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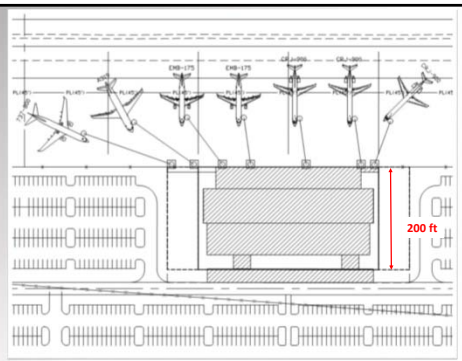

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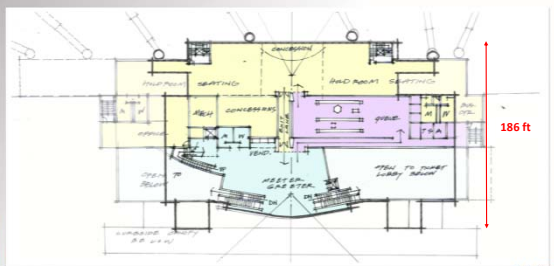
PREFERRED REPLACEMENT TERMINAL

UPPER LEVEL



JVIATION

Main Opportunities for Cost Reduction:

- Build all on one level (no elevators or escalators)
- No overhead conveyors (all conveyance at ground level)
- Simple structure – ease of construction
- Flexibility for ease of expansion

Necessary Right-Sized Functional Areas:

- Combined Holdroom space for four gates
- SSCP capable of accommodating three lanes (meets the 2034 design forecast)
- Baggage screening to accommodate 2 EDS machines
- Baggage claim frontage
- Restroom fixtures meet forecasted demand

Areas that Might be Tight:

- Administration space
- Ancillary space for TSA, proposed do represent required number of screening lanes
- Circulation – specifically landside for Meeter/Greeters

Questions:

- How much administration space is really needed
- How much ATO space is really needed (currently have two carriers)
- How much operations space is really needed?

JVIATION

Description	Existing 2013	Planning Activity Levels PAL 0	Reduced V.1 (182' depth)		Reduced V.2 (196' depth)	
Annual Enplaned Passengers	195,000	195,000		4.11%		3.93%
TPH Enplaned	263	263				
Number of Gates	4	4	45,703 Gross 1,803 walls/structure		49,525 Gross 1,973 walls/structure	
Total Terminal Area (Rounded)	**41,500 sf**	**77,800 sf**	**43,900**		**47,652**	
AIRLINE SPACE						
Airline Space	12,700 sf	29,524 sf	26,095	(1866.75)	23,716	(2317.75)
Ticket Counter Length	40 lf	90 lf	86	(4.00)	104	18.00
Ticket Counter Area	556 sf	900 sf	1,029	129.00	1,029	129.00
Ticket Counter Active Area	556 sf	860 sf	858	(42.00)	858	(42.00)
Ticket Counter Queuing	1,414 sf	2,250 sf	1,958	(292.00)	2,145	(105.00)
Ticket Offices and Administration	638 sf	2,700 sf	2,017	(683.00)	2,017	(683.00)
Outbound Baggage Area	3,430 sf	3,200 sf	4,215	1015.00	4,215	1015.00
Baggage Claim Length	30 lf	139 lf	100	(39.00)	130	(9.00)
Baggage Claim Area	2,516 sf	4,070 sf	3,919	(151.00)	3,879	(191.00)
Operations Facilities	700 sf	2,000 sf	1,155	(845.00)	1,163	(837.00)
Inbound Baggage Area	0 sf	1,860 sf	2,289	429.00	2,287	427.00
Passenger Departure Lounges	2,912 sf	9,044 sf	9,904	860.00	8,431	(613.75)
Temporary Space (Feet)	4,500 sf	N/A				
TRANSPORTATION SECURITY ADMINISTRATION						
TSA Spaces	2,500 sf	10,436 sf	8,173	(2263.00)	7,998	(2438.00)
Security Screening Checkpoint	1,377 sf	5,736 sf	5,236	(500.00)	4,926	(810.00)
Baggage Screening Facilities	594 sf	3,792 sf	1,930	(1862.00)	1,954	(1838.00)
Baggage Inspection Support Facilities	0 sf	320 sf	152	(168.00)	152	(168.00)
Administration offices (TSA)	597 sf	600 sf	857	257.00	857	257.00
CONCESSIONS						
Concessions	4,205 sf	3,600 sf	3,062	(537.00)	2,962	(638.00)
News/Gift/Sundry	1,254 sf	400 sf	665	265.00	665	265.00
Food and Beverage	1,640 sf	1,400 sf	1,536	136.00	1,465	65.00
Other Revenues	235 sf	1,000 sf		(1000.00)		(1000.00)
Ground Transportation	1,021 sf	700 sf	872	172.00	832	132.00
PUBLIC SPACE						
Public Space	13,160 sf	28,160 sf	8,146	(20014.00)	11,242	(16918.00)
Public Circulation	12,260 sf	24,500 sf	3,676	(20824.00)	9,169	(16331.00)
	1,100 sf	3,660 sf	2,573	(1087.00)	2,073	(1587.00)
AIRPORT ADMINISTRATION						
Total Airport Administration	2,400 sf	5,000 sf		(5000.00)		(5000.00)
UTILITIES						
Utilities Space	1,900 sf	3,488 sf	1,842	(1643.00)	1,848	(1639.00)

COUNTER LENGTH & KISOKS

COULD INTEGRATE WITH CONCESSIONS

CORRECT # LANES PROVIDED

CORRECT # LANES PROVIDED

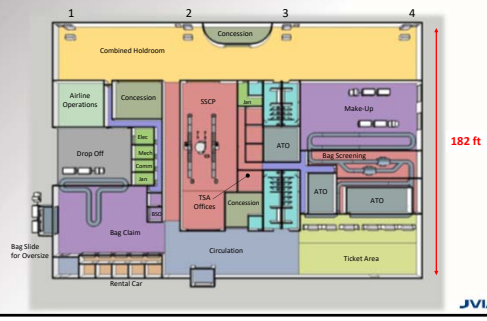
FOR COMBINED HOLDROOM DON'T NEED SO MUCH CIRCULATION

AIRPORT ADMIN SPACE CURRENTLY NOT INCLUDED

JVIATION

REDUCED TERMINAL V.1

TOTAL GROSS AREA: 45,700 SF

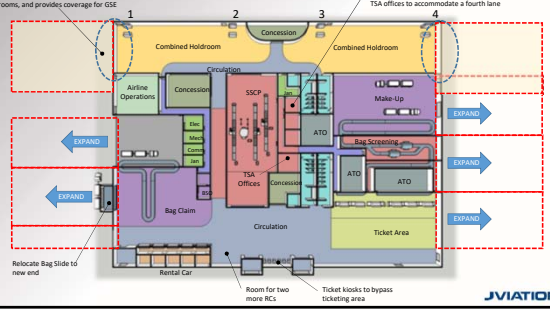


JVIATION

EXPANSION POSSIBILITIES

When the demand requires, opportunity to add in vertical circulation to upper level holdrooms on one or both sides. Allows for deeper holdrooms, and provides coverage for GSE

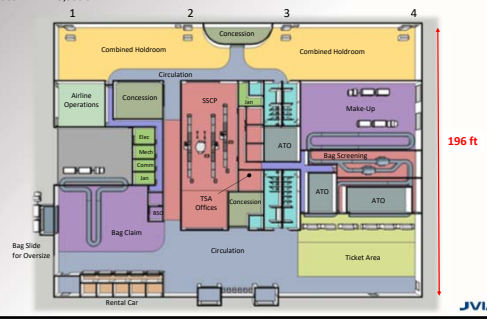
If ever grew to require more than 3 SSCP lanes (beyond 2034 forecasts), then with expansion could be relocation of TSA offices to accommodate a fourth lane



JVIATION

REDUCED TERMINAL V.2

TOTAL GROSS AREA: 49,530 SF

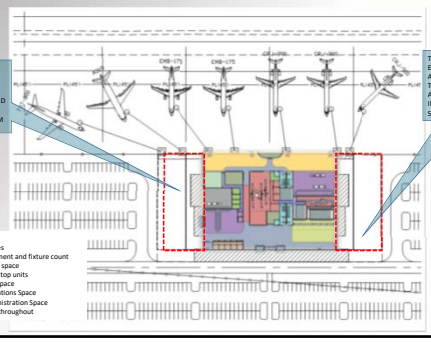


JVIATION

EXPANSION POSSIBILITIES

THIS AMOUNT OF EXPANSION WOULD APPROXIMATELY DOUBLE THE BAG CLAIM, DROP OFF, AND OPERATIONS AND INCREASE HOLDROOM SPACE BY 50%

THIS AMOUNT OF EXPANSION WOULD APPROXIMATELY DOUBLE THE TICKET, BAG SCREENING AND MAKE-UP AREA AND INCREASE HOLDROOM SPACE BY 50%



TO KEEP IN MIND:

- Walking distances
- Restroom placement and fixture count
- Additional utility space
- Mechanical roof top units
- Necessary ATO space
- Necessary Operations Space
- Necessary Administration Space
- Level of Service throughout

At full build out, based on available site, the area of the one-story building would only be close to that necessary for PAL 0 implementation.

JVIATION

TERMINAL ROM COST COMPARISON

PREFERRED REPLACEMENT TERMINAL CONCEPT.....$34,100,000 Terminal Only

MEETS PAL 0 PLANNING PARAMETERS

77,800 SF (2 LEVELS)

Rough Order of Magnitude Cost Assessments

REDUCED VERSION 2 TERMINAL CONCEPT.....$21,900,000 Terminal Only

DOES NOT MEET PAL 0 PLANNING PARAMETERS

47,862 SF (1 LEVEL)

JVIATION

TERMINAL EXAMPLE

200 ft

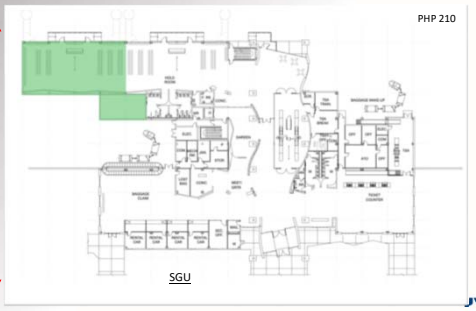
SGU

JVIATION

TERMINAL EXAMPLE

TOTAL GROSS AREA: 33,500 SF base building

200 ft



SGU

JVIATION

TERMINAL EXAMPLE

200 ft

SGU

JVIATION

TERMINAL EXAMPLE

200 ft

SGU

JVIATION

TERMINAL EXAMPLE

200 ft

SGU

JVIATION

ROUGH ORDER OF MAGNITUDE COSTING (ROM)

2016 CONSTRUCTION COST (PAL 0)	TERMINAL	$34,100,000
	CIVIL	$31,000,000
		$65,100,000
2017 POTENTIAL MODIFICATIONS (LESS THAN PAL 0 – ROM COSTS)	TERMINAL	$21,900,000
	CIVIL	$30,600,000*
		$52,500,000

* Pavement pricing fluctuations

JVIATION

EXISTING TERMINAL IMPROVEMENT OPTIONS

PRIORITY	SMALL SCOPE	MEDIUM SCOPE	LARGE SCOPE
Airline Operating Areas - Office/GSE staging/baggage makeup	Re-organize and improve existing space to maximize efficiency and ease of access AND/OR relocate gift shop and re-purpose the footprint for airline office space. **ROM Cost Estimate: $25,000 / $60,000 Funding Sources: Airport Cash Reserves**	Construct an additional temporary structure south of the existing airline operating areas primarily to accommodate GSE storage. **ROM Cost Estimate: $160,000-$380,000 Funding Sources: Airport Cash Reserves**	Expand terminal building to the south of the existing airline operating areas. **ROM Cost Estimate: $960,000-$1,280,000 Funding Sources: Possible eligibility for FAA grants & PFC's**
Commercial Apron - Additional RON parking, de-icing	Institute a mandatory push-back requirement for air carriers. Allows for a 5th regional jet RON aircraft. **ROM Cost Estimate: $5,000 Funding Sources: Airport Cash Reserves**	A medium scope project will not provide significant value in terms of the ability to accommodate a 5th RON aircraft, with at least one as a mainline aircraft larger than an Airbus A319.	Relocate existing utilities and strengthen apron pavement, allowing aircraft to be staged closer to the terminal. Expand commercial apron to accommodate a larger 5th RON aircraft. Create a dedicated de-icing pad. **ROM Cost Estimate: $4,100,000-$8,000,000 Funding Sources: FAA grants & PFC's.**
Baggage Claim	Adapt existing "large item drop" for use as a backup bag drop. **ROM Cost Estimate: $15,000-$30,000 Funding Sources: Airport Cash Reserves**	Install a temporary structure immediately north of the terminal to accommodate a rudimentary baggage drop. Would infringe on existing rental car parking. **ROM Cost Estimate: $138,000-$330,000 Funding Sources: Airport Cash Reserves**	Expand terminal building to the north of the existing baggage claim area. Install additional bag drop site and belt. Would infringe on existing rental car parking. **ROM Cost Estimate: $1,383,000-$2,110,000 Funding Sources: FAA grants & PFC's**
Vehicle Parking	Expand lower overflow lot by relocating cable fencing to accommodate an additional half row of vehicles AND/OR eliminate drive lane between the CC parking lot and the upper overflow lot to maximize existing space. **ROM Cost Estimate: $5,000 / $75,000 Funding Sources: Airport Cash Reserves**	Pave existing upper and lower overflow lots to increase parking efficiency. **ROM Cost Estimate: $1,500,000-3,000,000 Funding Sources: Airport Cash Reserves**	Expand main parking lot by reclaiming grassy areas and eliminating the inner loop road. Expand parking to the north of the existing rental car lot. **ROM Cost Estimate: $5,000,000-$8,000,000 Funding Sources: Airport Cash Reserves**

All projects listing FAA grants as a funding source would require a revision to the Airport Layout Plan (ALP), a product of the Airport Master Plan, in order to meet eligibility thresholds. The current ALP depicts future buildout as occurring on the east side of the airfield. An ALP update could take 6-12 months and could cost $125,000-$200,000

JVIATION

AIRPORT ADVISORY BOARD

November 16, 2017

Timeline

- 09/01/16 Meeting with Airport, City/County Admin, Jviation
  - Strategy discussion re: Jumping Mouse & Roadway Analysis
- 09/20/16 Letter to FAA requesting meeting with FAA, USFS, Airport, Jviation
- 10/27/16 Meeting FAA, CDOT, City/County Admin, Airport, Jviation
  - Discussion of Jumping Mouse and Mitigation
- 11/17/16 Meeting Airport Advisory Commission
  - Terminal modifications
- 01/10/17 Joint Study Session
  - Election debrief discussion

JVIATION

Agenda

- 2016-2017 Timeline
- Project Scope Change
- Commission Questions
- Ongoing Environmental Assessment Work Effort
- Project Schedule
- Next Steps

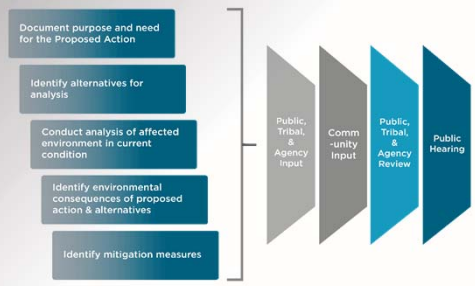
JVIATION

Timeline

- 02/14/17 Joint Study Session
  - Received support of long-term preferred alternative and existing terminal interim modifications
- 2/16/17 Airport Advisory Commission
  - Project update
- 06/14/17 Letter from CDOT to FAA
  - Provision of additional intersection safety analysis
- 09/11/17 Letter from FAA to Airport
  - Determination from FAA to remove intersection relocation from Project Scope – *"….we do not agree that the proposed terminal project is a significant re-development project. Therefore, the intersection relocation should be removed as part of the proposed terminal project."*
- 09/15/17 Telecon with FAA, Jviation
  - Agreement on next steps for project
- 11/03/17 Meeting with CDOT, Airport, County
  - Agreement that SH172/CR309 will be placed on 2018 intersection priority list

JVIATION

The EA Process



JVIATION

Ongoing EA Work Effort

- Completed Willow Flycatcher field survey – no evidence of species present
- Completed revision to chapters regarding project scope change
- Completed chapter edits based upon comments received from Airport
- Submitted chapters to FAA for review and comment
  - Chapter 1 - Introduction
  - Chapter 2 - Purpose and Need
  - Chapter 3 - Alternatives
  - Chapter 4 - Affected Environments
- Initiated draft of Chapter 5 - Environmental Consequences

JVIATION

Commission Questions

1. How does the FAA's decision change the funding and expenses of the EA?
2. Who takes the lead on the intersection and endangered species now?
3. What change in use triggers a definitive break point at the existing intersection?
4. Why are we continuing with the EA in general given that the ballot measure failed?
5. If the FAA will not fund any consulting work related to the new access road or intersection, will they still pay for the TES analysis and mitigation plan?

JVIATION

3. What change in use triggers a definitive break point at the existing intersection?

- CDOT is the pre-emptive authority on the triggers for the intersection
- FAA has stated that this project is not ***a change in use*** but rather a project to meet ***existing demand***
- CDOT has indicated that a 20% increase in traffic will trigger a change in use

JVIATION

1. How does the FAA's decision change the funding and expenses of the EA?

- The new intersection was not eligible for FAA funding and had been allocated for local and CDOT funding
- The EA scope & funding included the potential for endangered species and accompanying mitigation plan
- The environmental data collection was complete prior to the intersection removal
- The EA contract is a lump sum contract and therefore non-significant changes in tasks do not result in fee adjustment (such as additional effort to work with FAA and CDOT, reduction of one mitigation plan, revisions to EA documents due to project changes, etc.)
- The data collected-to-date will serve as a baseline for a future CDOT study
- FAA grant will likely not be adjusted due to the minor task adjustment

JVIATION

4. Why are we continuing with the EA in general given that the ballot measure failed?

- The EA contains an environmental evaluation of the all the primary alternatives identified in the Master Plan:
  - No Action
  - Remodel of existing terminal
  - West-side development of new terminal facility
  - East-side development of new terminal facility
- The existing facility does not meet the current & future demand
- The ballot represented one funding mechanism – other methods may be considered
- The elected officials have expressed support of the Preferred Alternative for the long-term solution

JVIATION

2. Who takes the lead on the intersection and endangered species now?

- CDOT will be the lead coordinating agencies when the intersection moves forward
- CDOT wildlife biologists have successfully mitigated other projects that impact the New Mexico Jumping Mouse

JVIATION

5. If the FAA will not fund any consulting work related to the new access road or intersection, will they still pay for the TES analysis and mitigation plan?

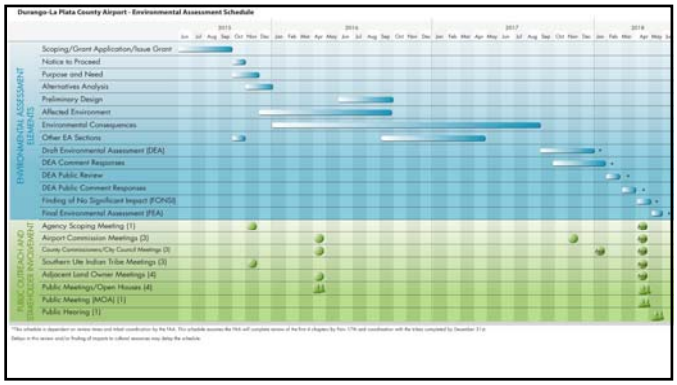
- All the required biological surveys have been completed (New Mexico Jumping Mouse in 2016 & Willow Flycatcher in 2017)
- The Biological Assessment is being finalized to reflect the project scope change and is covered under the current grant
- The proposed project (with the removal of the access road) will not result in any direct impact to these species and therefore no mitigation plan is required
- The cost of implementing a mitigation plan is typically covered in the design/construction fee (rather than the EA fee)

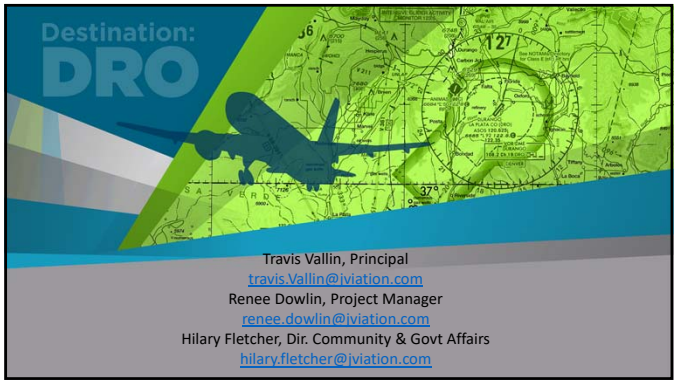
JVIATION

Next Steps

- Finalize draft Chapter 5, Environmental Consequences
- Submit to Airport and FAA for review and comment
- Conduct Agency coordination (FAA task)
- Initiate EA public review and comment period

JVIATION





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APPENDIX K

Ecosphere
Environmental Services

Durango, CO
Pagosa Springs, CO
Santa Fe, NM
Farmington, NM

August 15, 2017

Western Colorado Ecological Services Field Office
U.S. Fish and Wildlife Service
445 West Gunnison Ave, Suite 240
Grand Junction, Colorado 81501-5711

RE: 2017 Southwestern Willow Flycatcher Surveys in Colorado

To Whom It May Concern:

In fulfillment of the permitting requirements set forth in our USFWS Recovery Permit TE819491-4 (-5 effective 6/19/2017), please find the enclosed documents describing southwestern willow flycatcher (*Empidonax traillii extimus*) surveys completed in Colorado in 2017. We conducted protocol surveys for one project, summarized as follows:

Protocol surveys for the Durango La Plata Airport property included three sites – two around the airport operations area and another on the Florida River, La Plata County, Colorado. The airport sites consist primarily of native willow species (*Salix* spp.) and cattails (*Typha latifolia*), and the Florida River site consists primarily of Russian olive (*Elaeagnus angustifolia*) and another exotic riparian species. No willow flycatchers were seen or heard during surveys conducted in 2017.

Sincerely,

Kylan W. Frye
Biologist

Cc: Colorado Parks and Wildlife

776 E. 2nd Avenue • Durango, CO 81301 • Phone: (970) 382-7256 • Fax: (970) 382-7259
www.ecosphere-services.com

APPENDIX L

DURANGO–LA PLATA COUNTY AIRPORT
NOISE ASSESSMENT

Prepared by:
KB Environmental Sciences, Inc.

Prepared for:
Jviation, Inc.

March 9, 2016

1. NOISE

The extent of existing noise resulting from aircraft operations at Durango–La Plata County Airport (DRO), was determined using the FAA required computer simulation model—the Aviation Environmental Design Tool (AEDT) version 2b. AEDT version 2b is the required tool to model noise, fuel burn and emissions for FAA actions subject to the National Environmental Policy Act (NEPA) initiated after May 29, 2015. The AEDT produces Day-Night Average Sound Level (DNL) contours (i.e., lines of equal noise exposure). The following provides an overview of the DNL metric and the AEDT input data used to prepare the DNL contours for DRO.

1.1 DNL Overview

The DNL metric represents a time-weighted 24-hour average of sound energy, or decibels (dB) measured on the A-weighted scale (dB(A)). The levels are time-weighted such that noise events occurring during sensitive time periods (from 10 pm to 7 am) are penalized by the addition of 10 dB(A) to each operation occurring between these nighttime hours. This penalty accounts for a greater sensitivity to noise and a decrease in background sound levels during nighttime hours. Use of the DNL in evaluating aircraft noise is standard for the evaluation of cumulative aircraft noise effects due to aviation activities.

1.2 Regulatory Setting

FAA Order 1050.1F states that an aircraft noise analysis must be completed to determine a Proposed Action's contributions to No-Action noise levels surrounding an Airport.

According to FAA Order 1050.1F, Exhibit 4 - Significance Determination for FAA Actions, "a significant noise impact would occur if the action would increase noise by DNL 1.5 dB or more for a noise sensitive area that is exposed to noise at or above the DNL 65 dB noise exposure level, or that will be exposed at or above the DNL 65 dB level due to a DNL 1.5 dB or greater increase, when compared to the no action alternative for the same timeframe. For example, an increase from DNL 65.5 dB to 67 dB is considered a significant impact, as is an increase from DNL 63.5 dB to 65 dB."

Noise sensitive areas primarily include residential neighborhoods; educational, health, and religious facilities; and outdoor recreational, cultural, and historic sites.

1.3 AEDT Input Data

In the development of DNL contours, the AEDT uses both default and airport-specific factors. The default factors include engine noise levels, thrust settings, aircraft arrival and departure flight profiles and aircraft speed. The airport-specific factors include the number of aircraft operations, the type of aircraft, the airport elevation, average annual temperature, runway use, the assignment of specific aircraft to individual arrival and departure flight tracks, operational time (day/night), and, for departures, the stage (i.e., trip) length from DRO to destination airports. The following describes these DRO-specific data.

2. BASELINE 2015

2.1 Baseline 2015 Aircraft Operations, Fleet Mix, Operational Time of Day

An aviation activity forecast for DRO was prepared as part of the recent Airport Master Plan. The overall forecast of aviation activity was divided into categories of aircraft. The 2015 aircraft operations by category is provided in **Table 1.** As shown, in 2015 there were 29,441 annual operations (an average of approximately 81 operations per day).

Table 1 – 2015 Annual Aircraft Operations					
Year	**Commercial**	**GA Itinerant**	**GA Local**	**Military**	**Total**
2015	7,965	7,132	13,844	500	29,441

Source: 2014 DRO Airport Master Plan.

For the purposes of preparing DNL contours, operational data must be segregated by aircraft type and by type of operation. Aircraft operations are further segregated as being local and itinerant. An itinerant operation is defined as an aircraft departure where the aircraft leaves the airport vicinity and lands at another airport, or an aircraft landing where the aircraft arrives from another airport. Local operations are aircraft touch-and-go training operations. A touch-and-go operation occurs when an aircraft departs an airport, lands on a runway and then departs again without stopping.

The FAA's Traffic Flow Management System Count (TFMSC) for fiscal year 2015 (October 1, 2014 through September 30, 2015) was used to develop the 2015 AEDT aircraft fleet mix for DRO. TFMSC data provides information on traffic counts by airport and includes the specific aircraft types operating at that airport. TFMSC source data are created when pilots file flight plans.

The AEDT includes a number of individual aircraft types as well as a number of FAA-approved substitute aircraft included in the model. The TFMSC data for DRO was reviewed and each aircraft type was assigned an AEDT aircraft type (or substitute).

As previously stated, DNL is calculated such that aircraft operations that occur after 10 pm and before 7 am (i.e., during the nighttime) are penalized by the addition of 10 dB(A) to each operation. For noise modeling purposes, it was estimated that approximately 20 percent of the itinerant, and 10 percent of the local operations at the airport occur during the nighttime hours.

The 2015 aircraft fleet of itinerant and local operations, by time of day, are provided in **Tables 2** and **3** respectively.

Table 2 – 2015 Average Day Itinerant Operations				
Aircraft Category	**AEDT Aircraft Type**	**Daytime Operations**	**Nighttime Operations**	**Total Operations**
Commercial	Bombardier de Havilland Dash 8 Q400	5.61	1.40	7.02
	Bombardier CRJ-200	4.65	1.16	5.81
	Embraer ERJ145-LR	2.88	0.72	3.60
	Bombardier CRJ-700	1.57	0.39	1.97
	Bombardier CRJ-900	1.47	0.37	1.83
	Embraer ERJ135	0.79	0.20	0.99
	Embraer ERJ145-XR	0.37	0.09	0.46
	Airbus A319-100 Series	0.11	0.03	0.14
Jet	Raytheon Beechjet 400	0.76	0.19	0.95
	Cessna 560 Citation V	0.62	0.16	0.78
	Cessna 560 Citation XLS	0.57	0.14	0.71
	Hawker HS-125 Series 700	0.44	0.11	0.56
	Bombardier Learjet 35	0.39	0.10	0.48
	Cessna 550 Citation II	0.38	0.10	0.48
	Embraer 505	0.34	0.09	0.43

Table 2 – 2015 Average Day Itinerant Operations				
Aircraft Category	**AEDT Aircraft Type**	**Daytime Operations**	**Nighttime Operations**	**Total Operations**
	Cessna 750 Citation X	0.32	0.08	0.40
	Cessna 525 CitationJet	0.30	0.07	0.37
	Bombardier Learjet 55	0.23	0.06	0.29
	Cessna 650 Citation III	0.21	0.05	0.26
	Dassault Falcon 2000	0.20	0.05	0.25
	Bombardier Learjet 60 PW306A	0.20	0.05	0.25
	Embraer 500	0.19	0.05	0.24
	Cessna 525B CitationJet	0.19	0.05	0.24
Turboprop	Cessna 208 Caravan	4.01	1.00	5.01
	Raytheon Super King Air 200	3.36	0.84	4.20
	Raytheon King Air 90	1.74	0.44	2.18
ME Piston	Cessna 340	0.19	0.05	0.24
	Raytheon Beech 60 Duke	0.10	0.02	0.12
	Cessna 421 Golden Eagle	0.08	0.02	0.10
	Piper PA-31 Navajo	0.05	0.01	0.07
SE Piston	Cirrus SR22	0.38	0.10	0.48
	Cessna 182	0.17	0.04	0.21
	Cessna 210 Centurion	0.13	0.03	0.16
	Cessna 172 Skyhawk	0.05	0.01	0.07
Military	C-130E	1.10	0.27	1.37
	Total Itinerant Operations:	**34.19**	**8.55**	**42.73**

Source: FAA Traffic Flow Management System Count; KB Environmental Sciences, Inc.; AEDT v2b.
Note: Numbers may not sum due to rounding.

Table 3 – 2015 Average Day Local Operations				
Aircraft Category	**AEDT Aircraft Type**	**Daytime Operations**	**Nighttime Operations**	**Total Operations**
ME Piston	Cessna 340	5.61	0.62	6.23
	Raytheon Beech 60 Duke	2.87	0.32	3.18
	Cessna 421 Golden Eagle	2.37	0.26	2.63
	Piper PA-31 Navajo	1.62	0.18	1.80
SE Piston	Cirrus SR22	11.21	1.25	12.46
	Cessna 182	4.98	0.55	5.54
	Cessna 210 Centurion	3.86	0.43	4.29
	Cessna 172 Skyhawk	1.62	0.18	1.80
	Total Local Operations:	**34.14**	**3.79**	**37.93**

Source: FAA Traffic Flow Management System Count; KB Environmental Sciences, Inc.; AEDT v2b.
Note: Numbers may not sum due to rounding.

2.2 Aircraft Flight Tracks

Because it was assumed that the aircraft noise contours would not extend far beyond the airport property boundary, the locations of the existing aircraft arrival and departure flight paths (i.e., tracks) in the immediate vicinity of DRO were modelled straight in/out from each runway end with one exception. Commercial and general aviation jet aircraft departures were modelled following a climbing right turn from both runway ends. Local tracks were modelled following a standard left-traffic pattern from both runway ends.

2.3 Stage Lengths for Departures

For modeling purposes, it was assumed that aircraft departing DRO travel a distance of 501 nautical miles or less.

2.4 2015 DNL Contours

The 2015 65-75 DNL contours are provided on **Exhibit 1**. **Table 4** identifies the acreages within the DNL contour ranges. As shown in the table, the total area within the 65 and greater DNL contour is 440 acres. The 65 DNL contour largely remains within the limits of the airport property boundary. Notably, there are no residences or other noise sensitive land uses within the 2015 65 DNL.

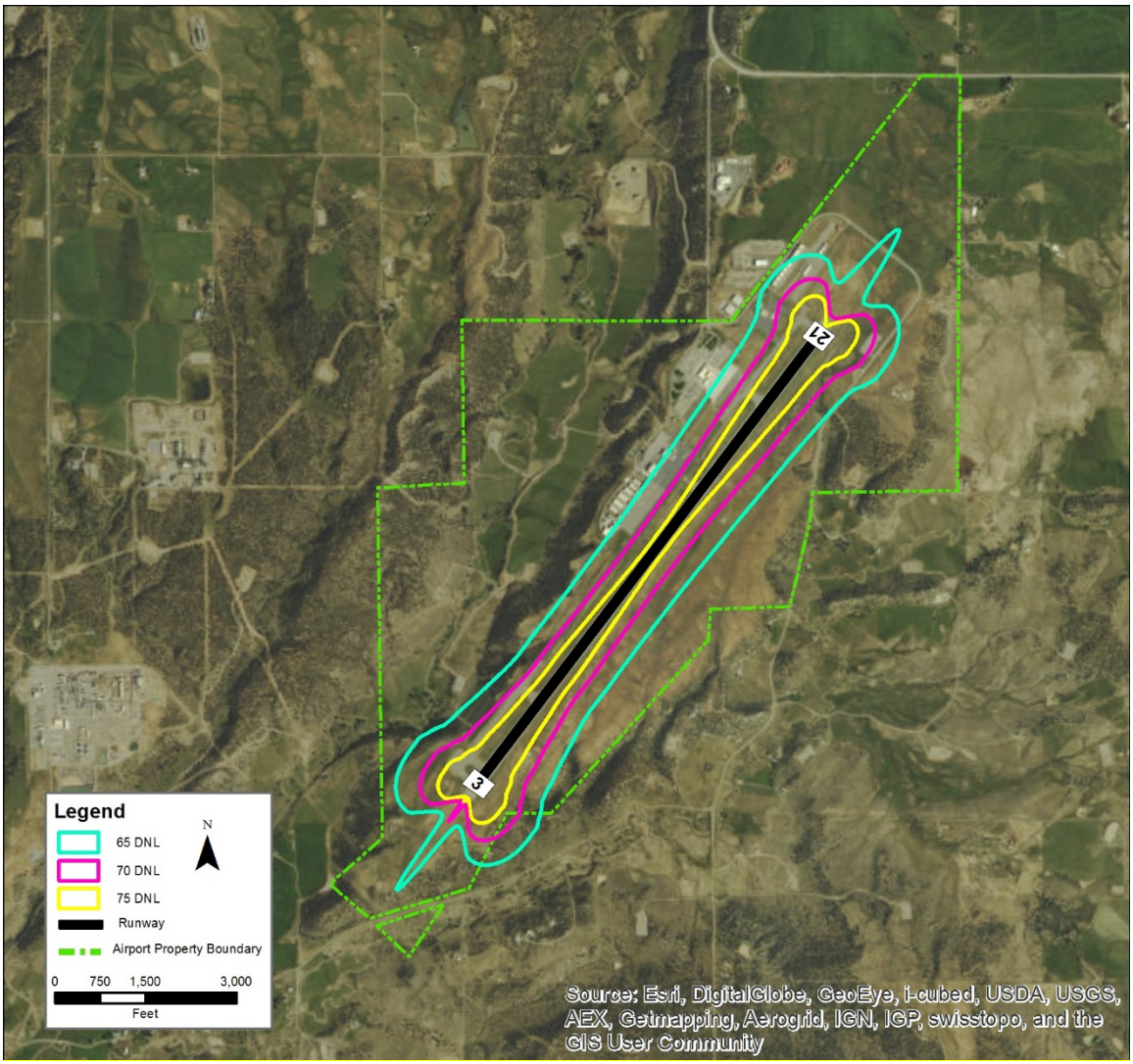
Table 4 – 2015 DNL Contour Areas

DNL (dB(A))	Area (Acres)
65 - 69	203
70 - 74	122
75 +	115
Total	**440**

Source: KB Environmental Sciences, Inc.

EXHIBIT 1

2015 65-75 DNL Contours



Source: KB Environmental Sciences, Inc.

3. FUTURE 2020

3.1 Future (2020) Aircraft Operations

A forecast of aviation activity for DRO was prepared as part of the recent Master Plan. The forecast of operations for the year 2020 by aircraft category is presented in **Table 5.** As shown, the 2020 forecast includes 31,958 annual operations (an average of approximately 88 operations per day).

Table 5 – 2020 Annual Aircraft Operations

Year	Commercial	GA Itinerant	GA Local	Military	Total
2020	8,471	8,045	14,942	500	31,958

Source: DRO Airport Master Plan.

3.2 Future (2020) Aircraft Fleet Mix

The 2020 aircraft fleet mix was determined by multiplying the percentages by aircraft type that occurred in 2015 by the total operations by category forecast to occur at the airport in 2020. The 2020 aircraft fleet of itinerant and local operations, by time of day, are provided in **Tables 6** and **7** respectively.

3.3 Future (2020) Operational Time of Day

The percentages of operations that were modelled during daytime/night-time hours for 2020 were the same as those for the Baseline 2015 condition.

3.4 Future (2020) Aircraft Flight Tracks

The flight tracks, flight track use, and profiles modeled for 2020 were the same as those for the Baseline 2015 condition.

Table 6 – 2020 Average Day Itinerant Operations

Aircraft Category	AEDT Aircraft Type	Daytime Operations	Nighttime Operations	Total Operations
Commercial	Bombardier de Havilland Dash 8 Q400	5.97	1.49	7.46
	Bombardier CRJ-200	4.94	1.24	6.18
	Embraer ERJ145-LR	3.06	0.77	3.83
	Bombardier CRJ-700	1.67	0.42	2.09
	Bombardier CRJ-900	1.56	0.39	1.95
	Embraer ERJ135	0.84	0.21	1.06
	Embraer ERJ145-XR	0.39	0.10	0.49
	Airbus A319-100 Series	0.12	0.03	0.15
Jet	Raytheon Beechjet 400	0.86	0.21	1.07
	Cessna 560 Citation V	0.70	0.18	0.88
	Cessna 560 Citation XLS	0.64	0.16	0.80
	Hawker HS-125 Series 700	0.50	0.13	0.63
	Bombardier Learjet 35	0.44	0.11	0.55
	Cessna 550 Citation II	0.43	0.11	0.54
	Embraer 505	0.39	0.10	0.48

Table 6 – 2020 Average Day Itinerant Operations				
Aircraft Category	**AEDT Aircraft Type**	**Daytime Operations**	**Nighttime Operations**	**Total Operations**
	Cessna 750 Citation X	0.36	0.09	0.45
	Cessna 525 CitationJet	0.34	0.08	0.42
	Bombardier Learjet 55	0.26	0.07	0.33
	Cessna 650 Citation III	0.24	0.06	0.30
	Dassault Falcon 2000	0.23	0.06	0.28
	Bombardier Learjet 60 PW306A	0.22	0.06	0.28
	Embraer 500	0.22	0.05	0.27
	Cessna 525B CitationJet	0.21	0.05	0.27
Turboprop	Cessna 208 Caravan	4.52	1.13	5.65
	Raytheon Super King Air 200	3.79	0.95	4.74
	Raytheon King Air 90	1.97	0.49	2.46
ME Piston	Cessna 340	0.22	0.05	0.27
	Raytheon Beech 60 Duke	0.11	0.03	0.14
	Cessna 421 Golden Eagle	0.09	0.02	0.12
	Piper PA-31 Navajo	0.06	0.02	0.08
SE Piston	Cirrus SR22	0.43	0.11	0.54
	Cessna 182	0.19	0.05	0.24
	Cessna 210 Centurion	0.15	0.04	0.19
	Cessna 172 Skyhawk	0.06	0.02	0.08
Military	C-130E	1.10	0.27	1.37
	Total Itinerant Operations:	**37.30**	**9.32**	**46.62**

Source: FAA Traffic Flow Management System Count; KB Environmental Sciences, Inc.; AEDT v2b.
Note: Numbers may not sum due to rounding.

Table 7 – 2020 Average Day Local Operations				
Aircraft Category	**AEDT Aircraft Type**	**Daytime Operations**	**Nighttime Operations**	**Total Operations**
ME Piston	Cessna 340	6.05	0.67	6.72
	Raytheon Beech 60 Duke	3.09	0.34	3.44
	Cessna 421 Golden Eagle	2.55	0.28	2.84
	Piper PA-31 Navajo	1.75	0.19	1.94
SE Piston	Cirrus SR22	12.10	1.34	13.45
	Cessna 182	5.38	0.60	5.98
	Cessna 210 Centurion	4.17	0.46	4.63
	Cessna 172 Skyhawk	1.75	0.19	1.94
	Total Local Operations:	**36.84**	**4.09**	**40.94**

Source: FAA Traffic Flow Management System Count; KB Environmental Sciences, Inc.; AEDT v2b.
Note: Numbers may not sum due to rounding.

3.5 2020 DNL Contours

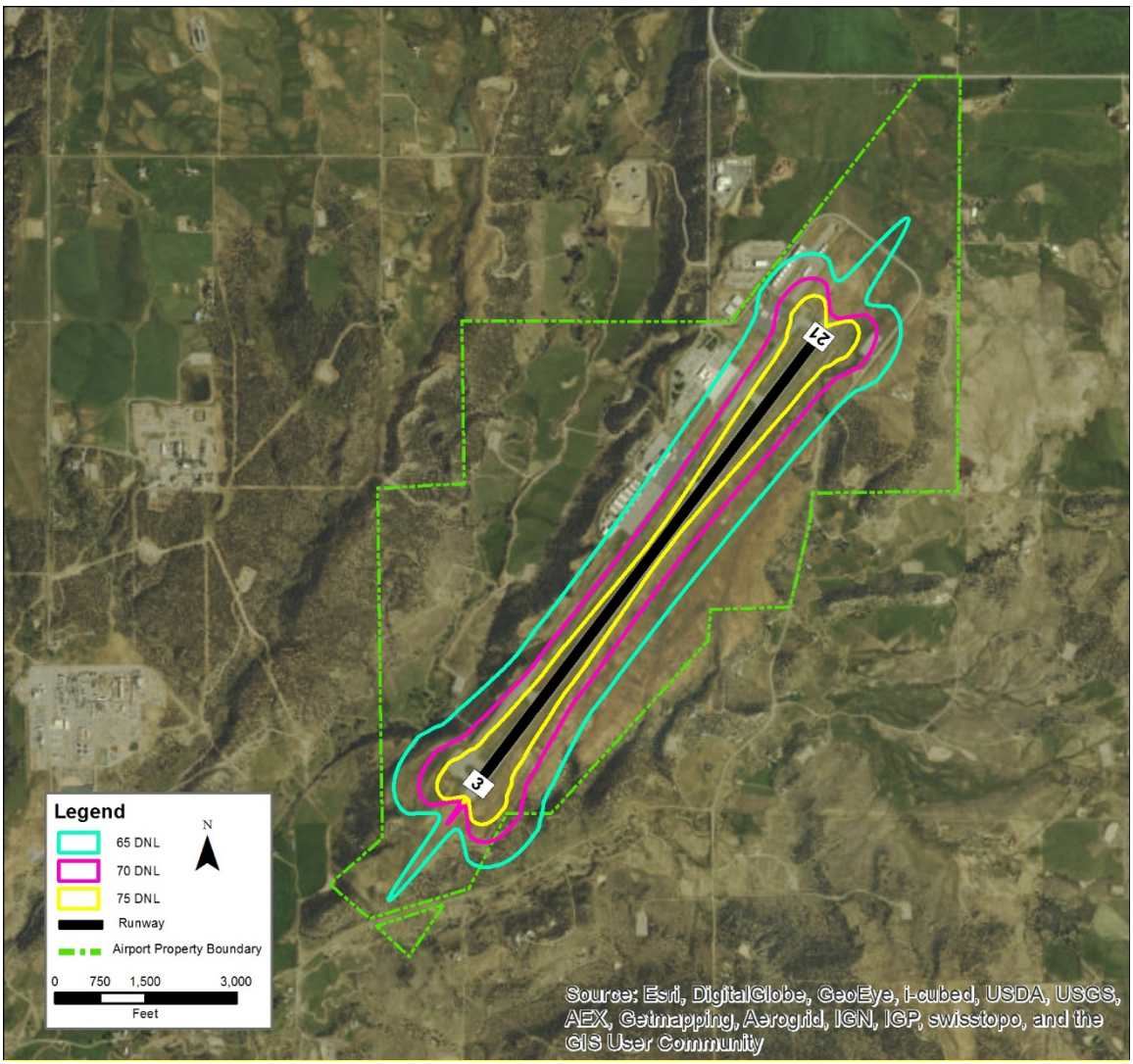
The 2020 65-75 DNL contours are provided on **Exhibit 2**. **Table 8** identifies the acreages within the DNL contour ranges. As shown in the table, the total area within the 65 and greater DNL contour is 464 acres. The 65 DNL contour largely remains within the limits of the airport property boundary. Notably, there are no residences or other noise sensitive land uses within the 2020 65 DNL.

Table 8 – 2020 Dnl Contour Areas	
DNL (dB(A))	**Area (Acres)**
65 - 69	213
70 - 74	130
75 +	121
Total	**464**

Source: KB Environmental Sciences, Inc.

EXHIBIT 2

2020 65-75 DNL Contours



Source: KB Environmental Sciences, Inc.

4. FUTURE 2030

4.1 Future (2030) Aircraft Operations

A forecast of aviation activity for DRO was prepared as part of the recent Master Plan. The forecast of operations for the year 2030 by aircraft category is presented in **Table 9.** As shown, the 2030 forecast includes 37,111 annual operations (an average of approximately 102 operations per day).

Table 9 – 2030 Annual Aircraft Operations

Year	Commercial	GA Itinerant	GA Local	Military	Total
2030	9,583	10,271	16,757	500	37,111

Source: DRO Airport Master Plan.

4.2 Future (2030) Aircraft Fleet Mix

The commercial fleet of aircraft modelled for the 2030 condition included a mix of larger regional jets, represented by the Bombardier CRJ 900 and Embraer E195 aircraft, and a narrow body air carrier size aircraft, represented by the Boeing 737-800. For GA aircraft, the 2030 fleet mix was determined by multiplying the percentages by aircraft type that occurred in 2015 by the total GA operations forecasted to occur by category at the airport in 2030. The 2030 aircraft fleet of itinerant and local operations, by time of day, are provided in **Tables 10** and **11** respectively.

4.3 Future (2030) Operational Time of Day

The percentages of operations that were modelled during daytime/night-time hours for 2030 were the same as those for the Baseline 2015 condition.

4.4 Future (2030) Aircraft Flight Tracks

The flight tracks, flight track use, and profiles modeled for 2030 were the same as those for the Baseline 2015 condition.

Table 10 – 2030 Average Day Itinerant Operations

Aircraft Category	AEDT Aircraft Type	Daytime Operations	Nighttime Operations	Total Operations
Commercial	Bombardier CRJ-900	16.80	4.20	21.00
	Embraer ERJ195	2.10	0.53	2.63
	Boeing 737-800	2.10	0.53	2.63
Jet	Raytheon Beechjet 400	1.10	0.27	1.37
	Cessna 560 Citation V	0.90	0.22	1.12
	Cessna 560 Citation XLS	0.82	0.20	1.02
	Hawker HS-125 Series 700	0.64	0.16	0.80
	Bombardier Learjet 35	0.56	0.14	0.70
	Cessna 550 Citation II	0.55	0.14	0.69
	Embraer 505	0.49	0.12	0.62
	Cessna 750 Citation X	0.46	0.12	0.58
	Cessna 525 CitationJet	0.43	0.11	0.54
	Bombardier Learjet 55	0.33	0.08	0.42

Table 10 – 2030 Average Day Itinerant Operations				
Aircraft Category	**AEDT Aircraft Type**	**Daytime Operations**	**Nighttime Operations**	**Total Operations**
	Cessna 650 Citation III	0.30	0.08	0.38
	Dassault Falcon 2000	0.29	0.07	0.36
	Bombardier Learjet 60 PW306A	0.28	0.07	0.35
	Embraer 500	0.28	0.07	0.35
	Cessna 525B CitationJet	0.27	0.07	0.34
Turboprop	Cessna 208 Caravan	5.78	1.44	7.22
	Raytheon Super King Air 200	4.84	1.21	6.05
	Raytheon King Air 90	2.51	0.63	3.14
ME Piston	Cessna 340	0.28	0.07	0.35
	Raytheon Beech 60 Duke	0.14	0.04	0.18
	Cessna 421 Golden Eagle	0.12	0.03	0.15
	Piper PA-31 Navajo	0.08	0.02	0.10
SE Piston	Cirrus SR22	0.55	0.14	0.69
	Cessna 182	0.25	0.06	0.31
	Cessna 210 Centurion	0.19	0.05	0.24
	Cessna 172 Skyhawk	0.08	0.02	0.10
Military	C-130E	1.10	0.27	1.37
	Total Itinerant Operations:	**44.61**	**11.15**	**55.76**

Source: FAA Traffic Flow Management System Count; KB Environmental Sciences, Inc.; AEDT v2b.
Note: Numbers may not sum due to rounding.

Table 11 – 2030 Average Day Local Operations				
Aircraft Category	**AEDT Aircraft Type**	**Daytime Operations**	**Nighttime Operations**	**Total Operations**
ME Piston	Cessna 340	6.79	0.75	7.54
	Raytheon Beech 60 Duke	3.47	0.39	3.85
	Cessna 421 Golden Eagle	2.87	0.32	3.18
	Piper PA-31 Navajo	1.96	0.22	2.18
SE Piston	Cirrus SR22	13.57	1.51	15.08
	Cessna 182	6.03	0.67	6.70
	Cessna 210 Centurion	4.68	0.52	5.19
	Cessna 172 Skyhawk	1.96	0.22	2.18
	Total Local Operations:	**41.32**	**4.59**	**45.91**

Source: FAA Traffic Flow Management System Count; KB Environmental Sciences, Inc.; AEDT v2b.
Note: Numbers may not sum due to rounding.

4.5 2030 DNL Contours

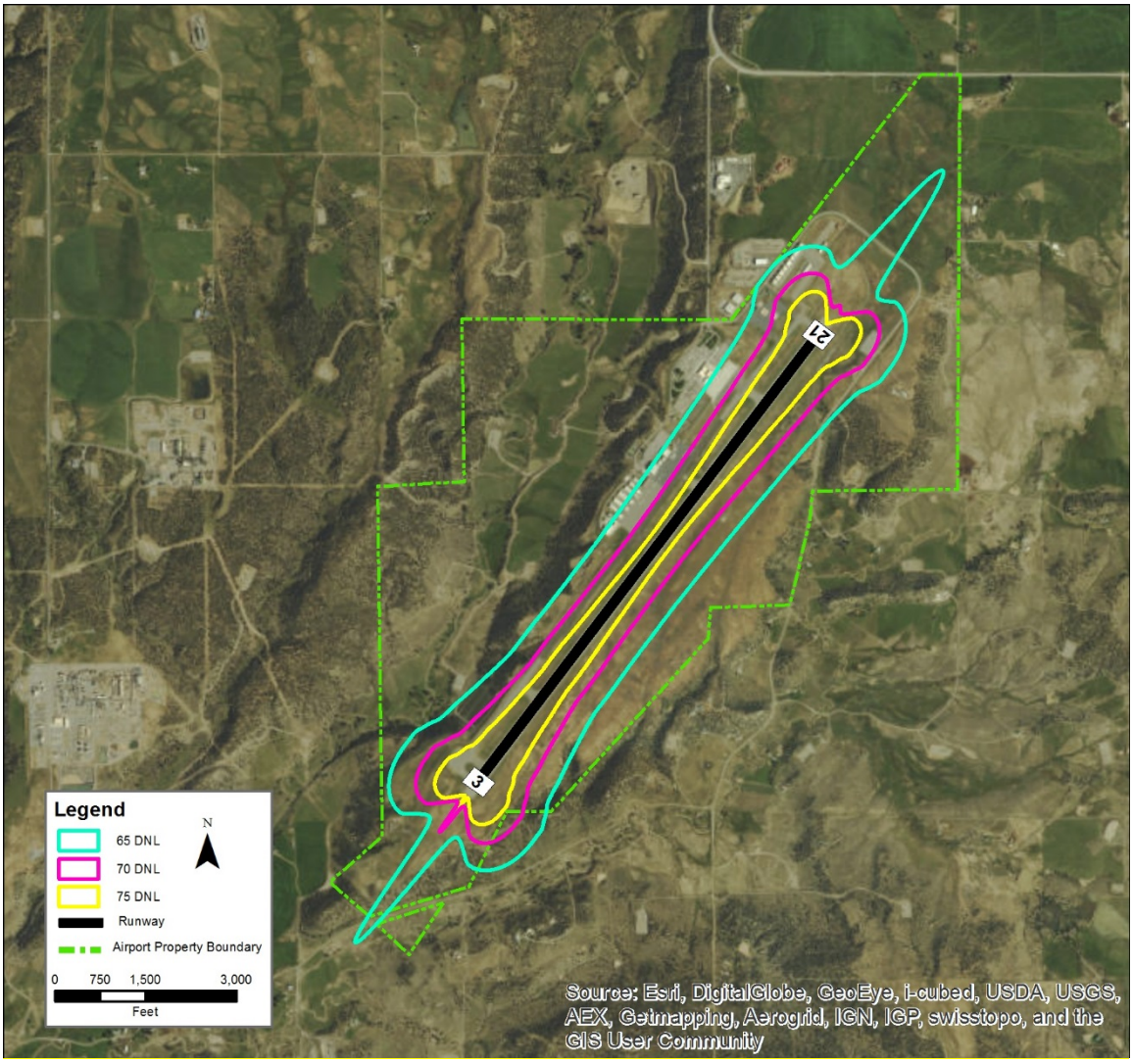
The 2030 65-75 DNL contours are provided on **Exhibit 3**. **Table 12** identifies the acreages within the DNL contour ranges. As shown in the table, the total area within the 65 and greater DNL contour is 521 acres. The 65 DNL contour largely remains within the limits of the airport property boundary. Notably, there are no residences or other noise sensitive land uses within the 2030 65 DNL.

Table 12 – 2030 DNL Contour Areas	
DNL (dB(A))	**Area (Acres)**
65 - 69	250
70 - 74	141
75 +	130
Total	**521**

Source: KB Environmental Sciences, Inc.

EXHIBIT 3

2030 65-75 DNL Contours



Source: KB Environmental Sciences, Inc.

APPENDIX M

BALLANTINE COMMUNICATIONS

BCI MEDIA SERVICES | THE Durango HERALD | THE JOURNAL | PINE RIVER TIMES | DIRECTORY PLUS | ADVENTURE PRO | DGO | 4cornersJOBS | FOUR CORNERS EXPOS

Durango Herald
1275 Main Ave
Durango, CO 81301

11/09/18

Mailing Address: P.O. Box 950 Durango, CO 81302

Phone:**(970) 247-3504**

Account:	**162835**	Date:	**11/09/18**
Client:	**Marisa Fluhr**	Ad Date:	**11/12/18**
		Ad ID:	**296766**
		Class	**1020**
Company:	**Jviation, Inc,**	Ad Taker:	**OZENIZO**
Address:	**900 South Broadway, Suite 350**	Sales Person:	**R128**
	Denver, CO 80209	Words:	**247**
		Lines:	**71**
		Agate Lines:	**103**
Telephone:	**(303) 524-3030**	Depth:	**7.403**
Description:	**296766 Notice of Availability of Dra**	Inserts:	**2**
		Blind Box:	

Other Charges:	**$0.00**	Net:	**$27.69**
Discount:	**$0.00**		
Surcharge:	**$0.00**	Paid Amount:	**- $0.00**
Credits:	**$0.00**		
Bill Depth:	**7.403**	Amount Due:	**$27.69**

Payments

Ad Note:

Customer Note:

-We Appreciate Your Business!-
-Thank You Marisa Fluhr!-

YOUR AD COPY READS:

Public Legals

296766
Notice of Availability of Draft Environmental Assessment (DEA) and Notice of Public Hearing for the Terminal Development Project at the Durango-La Plata County Airport, Durango, Colorado

What: The City of Durango, La Plata County, Durango-La Plata County Airport, and the Federal Aviation Administration (FAA) are issuing this Notice of Availability and Public Hearing to advise the public that a DEA will be available for public review beginning on November 13, 2018. The public comment period starts on November 13th and ends December 27th, 2018.

The DEA may be viewed electronically at www.flydurango.com or hardcopies are available at the following two locations:

•Durango Public Library
1900 E. 3rd Ave.
Durango, CO 81301

•Durango-La Plata County Airport
1000 Airport Road
Durango, CO 81303

The DEA presents the purpose and need for the proposed project, reasonable alternatives, discussion of impacts for each alternative, and supporting appendices.

When and Where: The public hearing will be held from 6:00p.m. to 7:30p.m. on Thursday, December 13th, 2018 at City Hall located at 949 E. 2nd Ave, Durango, Colorado. Oral and written comments may be presented at the hearing. Written comments may also be submitted anytime during the comment period to the following address: Renee Dowlin, Jviation Inc., 900 S. Broadway, Suite 350, Denver, CO 80209. Or by email to renee.dowlin@jviation.com.

All comments submitted by e-mail must be received by 5:00 pm on December 27th, 2018. All mailed comments must be postmarked by December 27th, 2018.

Published in Durango Herald
November 12, 2018

PROOF OF PUBLICATION

STATE OF COLORADO)
) ss.
County of La Plata)

BALLANTINE COMMUNICATIONS

I, Odette Zenizo, do solemnly swear that I am the Classified Advertising Representative of the Durango Herald, and that I have personal knowledge of the essential facts stated herein; that the same is a daily newspaper printed in whole, and published in the County of La Plata, State of Colorado, and has a general circulation therein; that said newspaper has been published continuously and uninterruptedly in said County of La Plata for a period of more than twelve months next prior to the first publication of the annexed Legal notice or advertisement; that said newspaper has been admitted to the United States mails as second-class matter under a provision of the Act of March 3, 1879, or any amendments thereof, and that said newspaper is a daily newspaper duly qualified for publishing legal notices and advertisements within the meaning of the laws of the State of Colorado.

That the annexed legal notice or advertisement was published in the regular and entire editions of said daily newspaper 2 time(s) with the following dates:

Durango Herald: 12/05/18, 12/10/18.

In witness whereof I have hereunto set my hand this 10 day of December, A.D. 2018.

Odette Zenizo

Subscribed and sworn before me, a notary public in and for the County of La Plata, State of Colorado this 10 day of December, A.D. 2018.

Notary Public
My Commission expires (SEAL)

AMY J BAIRD
Notary Public
State of Colorado
Notary ID # 20174052873
My Commission Expires 12-29-2021

Africa. That is where the deep [illegible] Rob's spirit were forged.

Rob was born in St Petersburg Florida and also lived in Levittown, NY and Mclean Virginia before moving to the Detroit metropolitan area.

Rob challenged us all and nurtured and nourished each of us to give more to life, community and those in need. His musical and poetic sensibility in helping us to meet the challenges of life will continue to be revered and practiced by so many who he touched and by all of us who love him and honor his life.

The memorial service honoring Rob Kabeary will take place at Miller Middle School Auditorium Saturday, December 15th at 2:30 PM.

A celebration of Rob's life is being planned for early summer in the Durango region.

Please visit caringbridge.org and search Rob Kabeary for further details.

DATO executive director, said in 2019 his group will

City offers new online bill payment options

The city of Durango has launched its new online billing and payment service through Invoice Cloud. Sales tax, business license renewal payments, municipal court payments, open records payments, airport parking tickets and utility bills can be paid

Durango La Plata County AIRPORT

TERMINAL AREA
DRAFT ENVIRONMENTAL ASSESSMENT
PUBLIC HEARING

Please come and provide your feedback on the Airport's Terminal Area Environmental Assessment. The Draft EA is available for review at the Durango Public Library or at the Durango-La Plata County Airport. It is also available at www.flydurango.com.

THURSDAY
DECEMBER 13, 2018
6:00PM - 7:30PM

CITY HALL
949 E SECOND AVE
DURANGO, CO

COMMENT SUBMITTAL OPTIONS

1. EMAIL TO RENEE.DOWLIN@JVIATION.COM
2. MAIL TO RENEE DOWLIN, PROJECT MANAGER, AT 900 S. BROADWAY #350, DENVER, CO 80209
3. SUBMIT AT THE PUBLIC HEARING AT CITY HALL

ALL COMMENTS ARE DUE DECEMBER 27, 2018

JVIATION

BALLANTINE COMMUNICATIONS

BCI MEDIA SERVICES | THE Durango HERALD | THE JOURNAL | PINE RIVER TIMES | PLUS | ADVENTURE PRO | DGO | 4cornersJOBS | FOUR CORNERS EXPOS

Durango Herald
1275 Main Ave
Durango, CO 81301

12/10/18

YOUR AD COPY READS:
0

Mailing Address: P.O. Box 950 Durango, CO 81302

Phone:**(970) 247-3504**

Account:	**162835**	Date:	**12/10/18**
Client:	**Marisa Fluhr**	Ad Date:	**12/05/18**
		Ad ID:	**298171**
		Class	**0**
Company:	**Jviation, Inc,**	Ad Taker:	**OZENIZO**
Address:	**900 South Broadway, Suite 350**	Sales Person:	**R128**
	Denver, CO 80209	Words:	**0**
		Lines:	**0**
		Agate Lines:	**315**
Telephone:	**(303) 524-3030**	Depth:	**7.5**
Description:	**Public Hearing Draft Environ/A**	Inserts:	**4**
		Blind Box:	

Other Charges:	**$90.00**	Net:	**$1,168.76**
Discount:	**$0.00**		
Surcharge:	**$0.00**	Paid Amount:	**- $0.00**
Credits:	**$0.00**		
Bill Depth:	**7.5**	Amount Due:	**$1,168.76**

Payments

Ad Note:

Customer Note:

-We Appreciate Your Business!-
-Thank You Marisa Fluhr!-

November 9, 2018

XX
XX

RE: Durango-La Plata County Airport Environmental Assessment for Terminal Development

Dear XX:

As you may be aware, the Durango-La Plata County Airport (DRO) is finalizing an Environmental Assessment (EA) for terminal development. The EA has been prepared consistent with National Environmental Policy Act (NEPA) guidelines. The Draft EA is available for review at www.flydurango.com.

As an adjacent landowner, you are invited to attend a project briefing meeting on Thursday, December 13th at 12:00 p.m. at the Airport Conference Room located upstairs in the Airport Terminal Building. Jviation representatives (the firm completing the EA), along with a representative from the Federal Aviation Administration (FAA) and the Durango-La Plata County Airport, will be present to explain the EA findings as well as to gather your input and comments.

It is our intent to provide a clear and transparent process for you be informed as the EA concludes. As mentioned above, the project information can be accessed at www.flydurango.com.

If you have any questions or comments, please contact me at 503.704.8753 or renee.dowlin@jviation.com. Please RSVP to me at the email above by Thursday December 6th. We look forward to seeing you on December 13th.

Sincerely,

Renee Dowlin, Sr. Environmental Consultant
Jviation, Inc.

Cc: Tony Vicari, Director of Aviation, Durango-La Plata County Airport

Summary - Draft EA Public and Agency Comment

Submitted By	Date Received	Comment Summary	Comment Response
Landowner Meeting (12/13/2018			
Sandy Seibert	12/13/2018	Additional information to add for environmental impact. Rescue of a borrowing owl caught on the barbed wire next to County Road 309-A between test area and the CDOT test pad. Officer Drayton Harrison was notified and Cynthia with SEAS Archaeological has also been informed in 2018.	Burrowing owls were included in the biological surveys completed for the EA. None were found within the project area.
McCaw	12/13/2018	Security increase? With American flying to Chicago. Direct line to El Paso for traffic related to MS13. Chicago could add narcotic traffic.	This comment does not relate to this EA; however, the Airport has noted the concern
Airport Advisory Commission Meeting (12/13/2018)			
Commissioner	12/13/2018	The preliminary traffic analysis report is confusing. Can it be modified to be less confusing?	Thank you for your comment. Your comment has been considered.
Public Hearing (12/13/2018)			
No comments received			
Agency Comments			
USFWS	12/21/2018	Alternatives 1,2, or a combination of the alternatives appear to have the least impact to the environment and federally listed species. Alternative 3 would move the terminal to the south of the existing terminal and southeast of the runway and would affect undisturbed ground. *Summary of comments – full letter can be found in* ***Appendix N****.*	Thank you for your comment. The FAA has considered your comments for the Final EA.

Source: Jviation

SIGN-IN SHEET

Name	Preferred Method of Follow Up: Email	Preferred Method of Follow Up: Mailing Address	Email Address	Mailing Address
Robert Seibert	☐	☐		
Sandy Seibert	☐	☐		
Howard E Martin	☐	☒		6561 Hwy 172 Ignacio
Steven Thibodeaux	☒	☐	smthib@gmail.com	1658 CR 309A Ignacio
Jaren Jacobsen	☒	☐	jarenjacobsen13@gmail.com	
Jeanne Matthews	☐	☒	equipop1@yahoo.com	80 Salt Creek Rd Ignacio 81137 (Craig Williams)
Ed McCaw	☑	☑	ekmccaw1@gmail.com	7170 St. Hwy 172 Ignacio 81137
Paul M McCaw	☐	☐		5881 Hwy 172 Ignacio
Martha Nelson	☐	☒	~~Hob Russet~~ marmcnel@gmail.com	160 Russet Ridge, Ignacio, CO 81137
Dean McCaw	☐	☒		290 Cty 514, Ignacio, CO 81137
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COMMENT CARD

Name (optional): Sandy Seibert 12/13/18

Address (optional):

Phone (optional):

Email (optional):

COMMENTS: addition information to add for environmental impact. Rescue of a burrowing owl caught on the barbed wire next to County road 309-A between the test area and the C-Dot test pad. Officer Drayton Harrison was notified and Cynthia with S.E.A.S archeological has also been informed in 2018

COMMENT CARD

Name (optional): McCaul

Address (optional):

Phone (optional):

Email (optional):

COMMENTS: Security Increase?? with American Flying to Chicago. Direct line to El Paso Check Journey for traffic to home of MS13. (Chicago) and Added Narcotic traffic.

RECORD OF PROCEEDINGS

December 13, 2018

Durango-La Plata County Airport Commission

The meeting was called to order at 3:00 p.m., and roll was called.

BOARD MEMBERS PRESENT:	Gary Derck Steve Parker (phone) Richard Bechtolt Patrick Cummins	Susan Condon Dean Brookie Kenneth White (phone)
AIRPORT STAFF PRESENT:	Tony Vicari Barb Powers	Oren Fallon
OTHERS PRESENT:	Amber Blake W.P. (Bill) Dixon	Chuck Stevens

AGENDA REVIEW CONSENT AGENDA

Approval of Consent Agenda – Mr. Derck asked whether there were questions or concerns. Hearing none, he asked for a motion to approve, made by Mr. Bechtolt, seconded by Ms. Condon, and approved unanimously.

BUSINESS AGENDA

Environmental Assessment Presentation – Mr. Vicari explained this Environmental Assessment (EA) is a study to examine the possible impacts of several alternatives for terminal development and related projects as identified in the 2015 Airport Master Plan. The draft of this assessment was released to the public on November 12th of 2018.

A meeting of landowners adjacent to the airport was held earlier today, and a public hearing is scheduled for this evening following the conclusion of this airport commission meeting. Public written testimony and comments will be taken until December 27th, 2018, after which there is a 30-day period for any concerns to be addressed. Pertinent comments will be included in the final assessment.

Representatives from Jviation, the engineering and planning firm coordinating this study on behalf of the airport, gave a presentation of an overview of the process to date. One extended point of discussion during the study was between the CO Dept. of Transportation and the FAA,

regarding whether terminal improvements at the airport as outlined in the Master Plan constituted a change in use of the roadways by bringing an increase in vehicle traffic. This raised the question of whether changes would be required at the current intersection of Highway 172 and County Road 309, or if that intersection would need to be moved. It was finally determined by the FAA that the proposed terminal plans would be accommodating existing traffic, and would not on their own cause a significant increase in passenger traffic. Accordingly, the proposed new roadway intersection and alignment were removed from the final analysis.

Mr. Derck made a request to clean up the vehicle traffic analysis section of the EA with several small changes. Jviation will look into these requests and address them in the final EA.

It is anticipated this EA could be finalized by March or April of 2019. It would then be valid for three years after the date of approval. Any further movement regarding terminal development plans could keep it active and therefore possibly extend the period of validity.

AIRPORT DIRECTOR'S REPORT

Airline Activity Report – November saw a 3.9% increase in overall passenger traffic over November of 2017, up 1.6% year-to-date. Thanksgiving traffic was strong, the main indicator being parking revenue which saw a nearly 10% surge during the holiday week. Nearly every parking space was utilized, with approximately 50 spaces to spare. United Airlines were up 11.5% in enplanements over last November, 10.5% year-to-date. American Airlines were down about 4% for the month, and 6% year-to-date. American had just one cancellation in November. Seat capacity was up 1.6% for the month, but down 2.9% year-to-date, and load factors were up slightly. Rental cars were up 9% over last November, parking was up over 4% from last year, all continuing trends in strong utilization at the airport.

American Airlines announced they will be adding a summer seasonal route to Chicago on Saturdays, as well as bringing back their Saturday route to Los Angeles in 2019. Chicago is the fifth biggest origin and destination market for DRO, even over Los Angeles, so it will be interesting to track the utilization. Also of interest is whether United will respond in some way. The Commission recommended that this new route be incorporated in the planned 2019 airport marketing efforts.

Terminal Improvement Project Update – The new bid was advertised on December 1st, and 21 people attended the pre-bid meeting on December 11th, including five general contractors. Mr. Vicari said the contractor response was very positive, and so far there has been a lot of engagement with a good number of follow-up questions. There did not seem to be a particular concern about the baggage conveyance system, as anticipated, although there were some additional questions. Bids close on January 15, 2019, in time to be included for review at the next airport commission meeting, which is on January 24th.

CHAIRMAN/BOARD COMMENTS

Mr. Derck reviewed the special topics for the upcoming commission meetings for 2019, ranging from officer selection, to rates and charges, to terminal improvements.

INVITATIONS FROM THE AUDIENCE

No comments.

ADJOURNMENT

Hearing no further business, the meeting was adjourned by the Chairman at a very early 3:50 pm.

Respectfully submitted,

Gary Derck, Chairman

Tony Vicari, Director of Aviation

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Colorado Ecological Services

IN REPLY REFER TO:
FWS/R6/ES CO

Front Range:
Post Office Box 25486
Mail Stop 65412
Denver, Colorado 80225-0486

Western Slope:
445 W. Gunnison Avenue
Suite 240
Grand Junction, Colorado 81501-5711

TAILS 06E24100-2018-CPA-0005

December, 21, 2018

Kandice Krull
Environmental Protection Specialist
Federal Aviation Administration - Denver Airports District Office

Dear Ms. Krull,

We have reviewed the November 2018 Draft Environmental Assessment for the proposed Durango-La Plata County Airport Terminal Improvement Project. The airport is located 14 miles southeast of Durango, Colorado, and is within the outer boundaries of the Southern Ute Indian Reservation.

Alternatives 1, 2, or a combination of the alternatives appear to have the least impact to the environment and federally listed species. Alternative 3 would move the terminal to the south of the existing terminal and southeast of the runway and would affect undisturbed ground. You stated on the phone on December 20, 2018, that it is likely that a combination of alternatives 1 and 2 will be chosen. These alternatives expand the existing terminal or move it slightly within already disturbed ground.

We appreciate the airports existing pollution control practices and encourage continued and improved measures to manage oil or gas spills or other contaminants to minimize impacts to aquatic and upland resources. We also encourage measures be used to minimize impacts to air quality as much as possible. Furthermore, we appreciate that alternatives 1 and 2 minimize or avoid impacts to wetlands and riparian areas on airport property. This will minimize or avoid effects to the endangered New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) and other species that use these habitats.

If you have questions or comments related to this issue, please contact Terry Ireland at 970-628-7188, or email at: terry_ireland@fws.gov.

Sincerely,

Terry Deland

for Ann Timberman
Assistant Colorado Field Supervisor