

Master Plan



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Master Plan Process

INVESTIGATION

Pre-Planning

Inventory

PLAN
PROCESS
Forecasts and
Planning Activity
Levels

Facility Requirements

PREPARATION

SOLUTIONS

Alternatives Analysis

Contingency Scenario Development

Identification of Preferred Alternatives

EVALUATION

IMPLEMENTATION

Financial Planning

Improvement Plan (CIP)

Final Master Plan
Documentation

Airport Layout Plan (ALP)

DOCUMENTATION

PUBLIC OUTREACH

Public Outreach

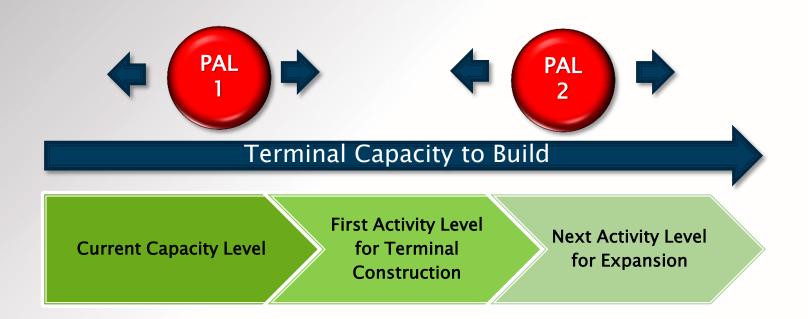


- ✓ Master Plan website up & running: www.flydurango.com
- ✓ Planning Advisory Committee (PAC) established & meeting
- ✓ Briefings provided to City Council, County Commissioners & Airport Advisory Board
- ✓ Airport tours conducted for PAC and public
- ✓ Tenant, User & PAC surveys complete
- ✓ Community Open House held on September 18th
- ✓ Civic presentations underway
- ✓ Focus group meetings underway
- √ 1 video production complete, 2nd video production underway
- ✓ Utilizing social media for community input Twitter, Facebook, Virtual City Hall



Planning Activity Levels

 A Planning Activity Level is a trigger point on a line and can be selected later to balance with funding



PAL 1 - The level of passenger enplanements expected by 2025 PAL 2 - The level of passenger enplanements expected by 2035



Terminal Building Requirements

Existing Condition

- 41,500 Square Feet (with tent)
- 263 Peak Hour Enplanements

Today's Needs

- **82,100** Square Feet
- 263 Peak Hour Enplanements

PAL 1

- 110,800 Square Feet
- 340 Peak Hour Enplanements

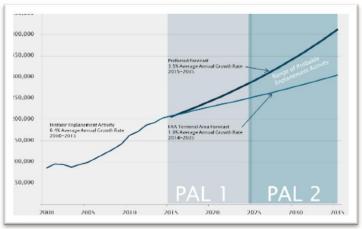
PAL 2

- 137,600 Square Feet
- 425 Peak Hour Enplanements



Technical Observations Per Industry Standards:

- DRO is projected to add 1.9% to 3.5% additional passengers each year.
 - The facilities should expect to handle between 300,000 and 400,000 annual passengers by the end of the 20 year planning period
- There are no "low cost" approaches that will satisfy the needs for today.
 - None of the alternatives that satisfy today's needs has a comparatively low cost
 - Expansions to meet future needs (PAL 2) do have wide differences in cost to consider





Technical Observations Per Industry Standards:

- The terminal building is undersized for the current demand.
 - Corroborated by airlines (surveys & focus group)
 - Required today: 82,000 SF (existing is 37,000 SF)
 - Plan to accommodate: 140,000 SF
- The parking system capacity is at failure today.
 - Main and Credit Card lots are full most days
 - Unpaved Overflow lots are often filled even on offpeak days
 - Required spaces: 1,500 needed today (existing is 1,100 paved/unpaved combined)
 - Plan to accommodate: 2,400 spaces



Technical Observations Per Industry Standards:

- Additional aircraft apron is required with all obstruction clearances met.
 - Per airline and aircraft manufacturer forecasts and orders, airlines are going to be flying *larger* regional aircraft placing a higher peak demand on the processing systems.
 - The size of the aircraft parking apron limits the number of aircraft to four simultaneously
 - DRO is hampered in its ability to recruit new airline service with overnight capability
 - Required today: 5 parking positions plus room to feasibly expand
 - Plan to accommodate: 7 parking positions plus two overnight













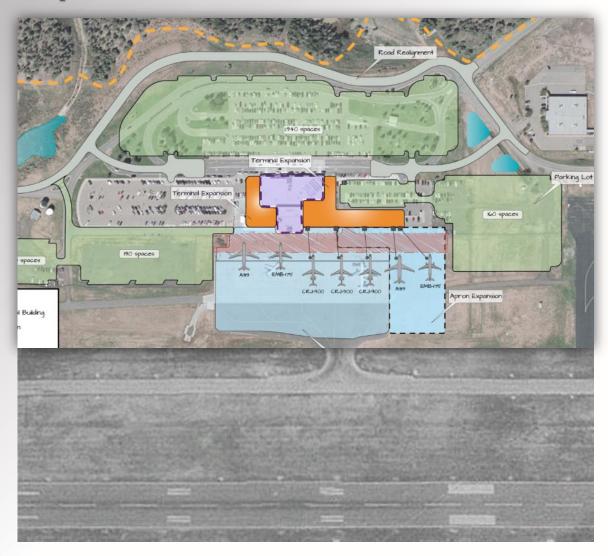














Range of Alternatives Carried Forward for Detailed Study

> Alternative One

Renovate and expand the existing terminal

> Alternative Two

Construct a new terminal next to the existing and demolish the existing terminal

> Alternative Three

Construct a new terminal complex on the east side of the airfield

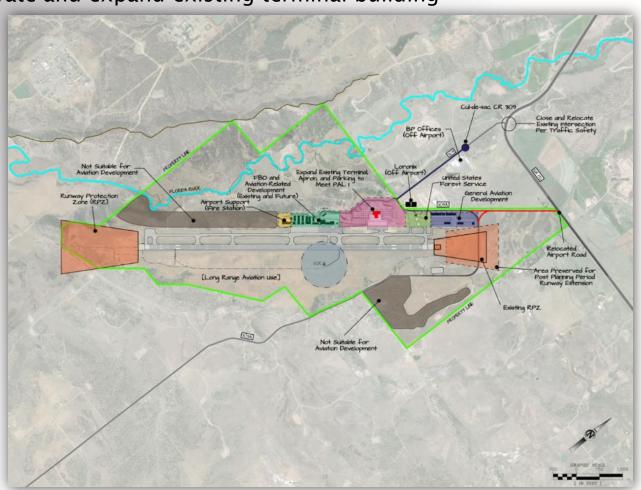


Evaluation Matrix

| | Alternative 1 | Alternative 2 | Alternative 3 |
|--|------------------|------------------|------------------|
| 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 | | | |

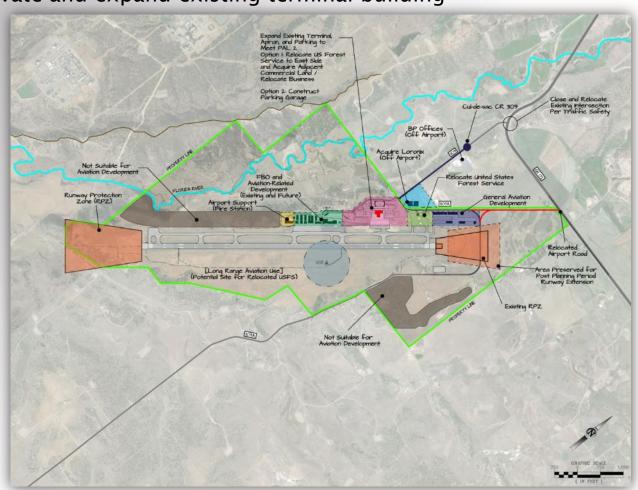


Alternative One Planning Activity Level 1 – 2025



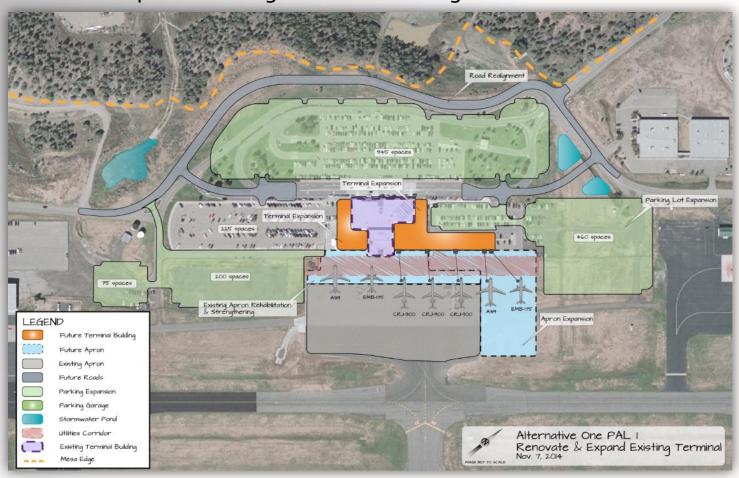


Alternative One Planning Activity Level 2 – 2035



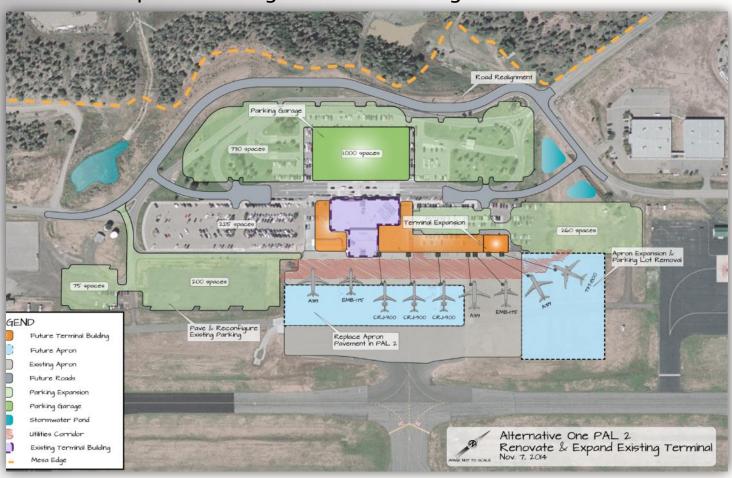


Alternative One Planning Activity Level 1 – 2025





Alternative One Planning Activity Level 2 – 2035



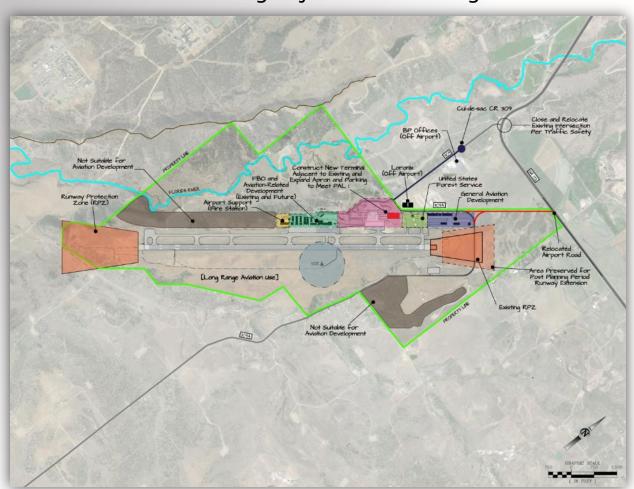


Alternative One Rough Order Magnitude Cost Estimate

| Terminal Building Costs | PAL 1 | PAL 2 |
|---|------------------|------------------|
| Renovate/Expand Terminal Building | \$ 44,898,888 | \$ 12,141,000 |
| Passenger Boarding Bridges | \$ 2,625,000 | \$ 1,050,00 |
| | | |
| Site Costs | | |
| Earthwork | \$ 1,500,500 | \$ 826,50 |
| Utilities | \$ 1,752,500 | \$ 517,50 |
| Apron Construction | \$ 4,099,900 | \$ 2,403,80 |
| Apron Replacement | \$ _ | \$ 3,263,90 |
| Parking Lots | \$ 5,442,100 | \$ 298,50 |
| Structured Parking | \$ _ | \$ 25,000,00 |
| Roadways/Access | \$ 4,740,900 | \$ _ |
| Total Construction Cost | \$ 65,059,788 | \$ 45,501,200 |
| Design and Program Management | | |
| Program Management | \$ 3,252,989 | \$ 2,275,06 |
| Design | \$ 3,903,587 | \$ 2,730,07 |
| Construction Management | \$ 4,554,185 | \$ 3,185,08 |
| Contingencies | \$ 6,505,979 | \$ 4,550,12 |
| Total ROM Cost - Alternative One | \$ 83,276,528 | \$ 58,241,53 |
| Total ROM Cost - Alternative One Combined | | \$ 141,518,06 |

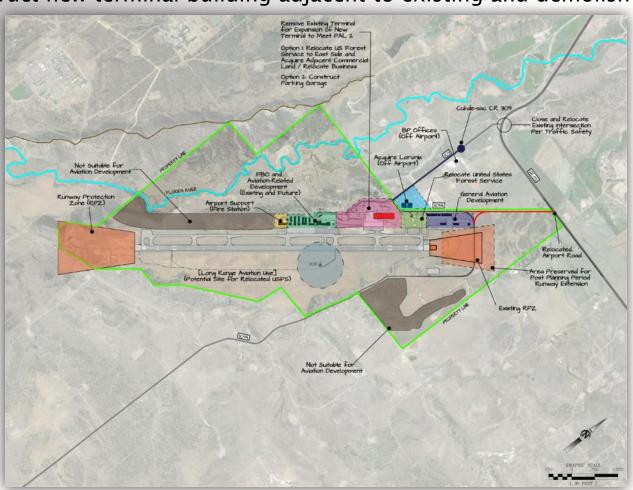


Alternative Two Planning Activity Level 1 – 2025



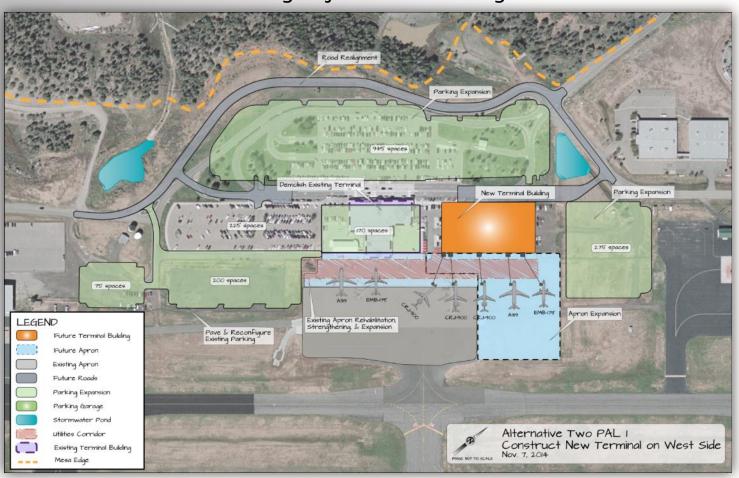


Alternative Two Planning Activity Level 2 – 2035



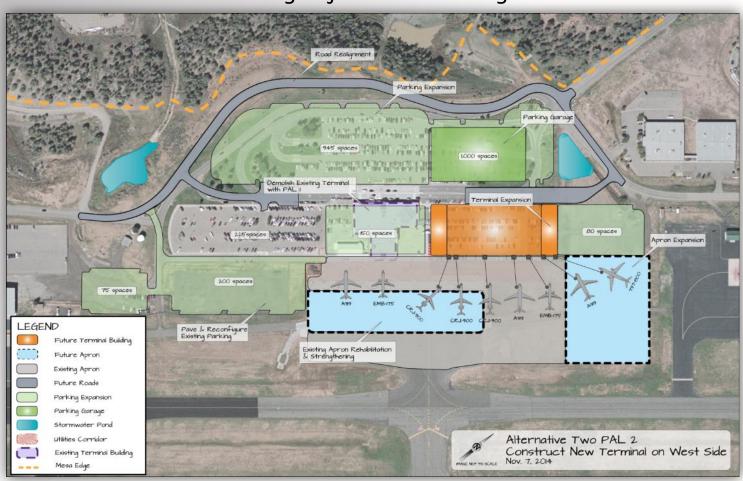


Alternative Two Planning Activity Level 1 – 2025





Alternative Two Planning Activity Level 2 – 2035





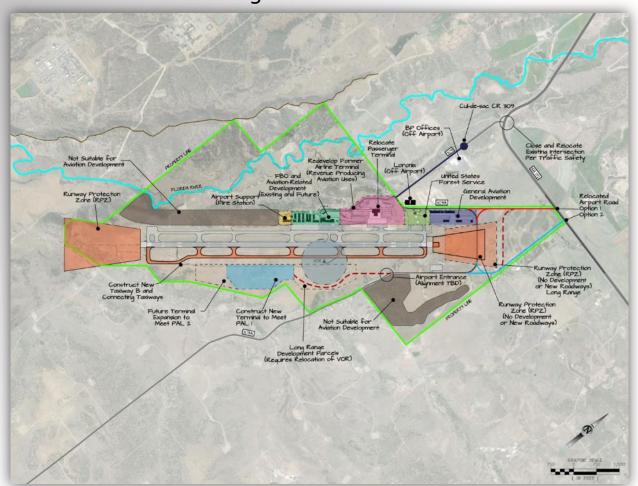
Alternative Two Rough Order Magnitude Cost Estimate

| Terminal Building Costs | PAL 1 | PAL 2 |
|---|------------------|-------------------|
| Construct New Terminal | \$ 39,235,665 | \$ 9,490,215 |
| Passenger Boarding Bridges | \$ 2,625,000 | \$ 1,050,000 |
| Demolish Terminal | \$ 231,000 | |
| Site Costs | | |
| Earthwork | \$ 1,704,000 | \$ 888,800 |
| Utilities | \$ 1,977,700 | \$ 385,000 |
| Apron Construction | \$ 4,881,200 | \$ 2,466,400 |
| Apron Replacement | \$ _ | \$ 3,263,900 |
| Parking Lots | \$ 5,519,100 | \$ 274,300 |
| Structured Parking | \$ _ | \$ 25,000,000 |
| Roadways / Access | \$ 5,398,400 | \$ _ |
| Total Construction Cost | \$ 61,572,065 | \$ 42,818,615 |
| Design and Program Management | | |
| Program Management | \$ 3,078,603 | \$ 2,140,931 |
| Design | \$ 3,694,324 | \$ 2,569,117 |
| Construction Management | \$ 4,310,045 | \$ 2,997,303 |
| Contingencies | \$ 6,157,207 | \$ 4,281,862 |
| Total ROM Cost - Alternative Two | \$ 78,812,243 | \$ 54,807,827 |
| Total ROM Cost - Alternative Two Combined | | \$ 133,620,070 |



Alternative Three Planning Activity Level 1 – 2025

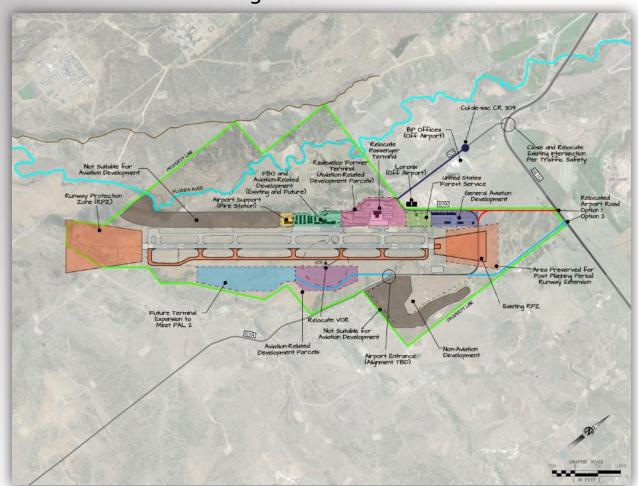
Construct new terminal building on the east side of the airfield





Alternative Three Planning Activity Level 2 – 2035

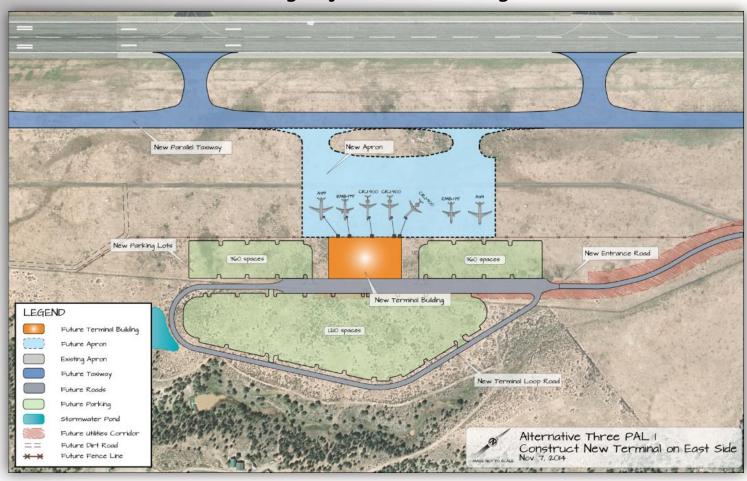
Construct new terminal building on the east side of the airfield





Alternative Three Planning Activity Level 1 – 2025

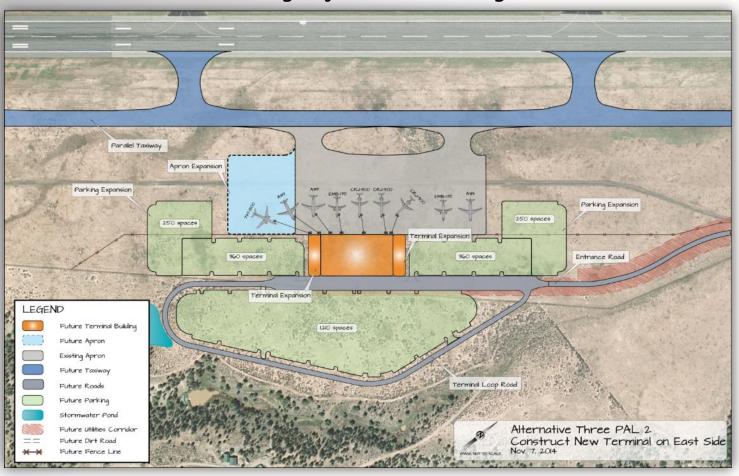
Construct new terminal building adjacent to existing





Alternative Three Planning Activity Level 2 – 2035

Construct new terminal building adjacent to existing





Alternative Three Rough Order Magnitude Cost Estimate

Construct new terminal complex on east side of airfield

| Terminal Building Costs | PAL 1 | PAL 2 |
|---|-------------------|-------------------|
| Construct New Terminal | \$ 37,367,300 | \$ 9,490,215 |
| Passenger Boarding Bridges | \$ 2,625,000 | \$ 1,050,000 |
| | | |
| | | |
| Site Costs | | |
| Earthwork | \$ 6,164,500 | \$ 838,500 |
| Utilities | \$ 4,616,000 | \$ 385,000 |
| Apron Construction | \$ 9,773,100 | \$ 2,231,200 |
| Taxiway Construction | \$ 15,873,800 | \$ _ |
| Parking Lots | \$ 5,247,200 | \$ 1,380,900 |
| Structured Parking | \$ _ | \$ _ |
| Roadways / Access | \$ 7,957,000 | \$ _ |
| | | |
| Total Construction Cost | \$ 89,623,900 | \$ 15,375,815 |
| Design and Program Management | | |
| Program Management | \$ 4,481,195 | \$ 768,791 |
| Design | \$ 5,377,434 | \$ 922,549 |
| Construction Management | \$ 6,273,673 | \$ 1,076,307 |
| Contingencies | \$ 8,962,390 | \$ 1,537,582 |
| | | |
| Total ROM Cost - Alternative Three | \$ 114,718,592 | \$ 19,681,043 |
| Total ROM Cost - Alternative Three Combined | | \$ 134,399,635 |

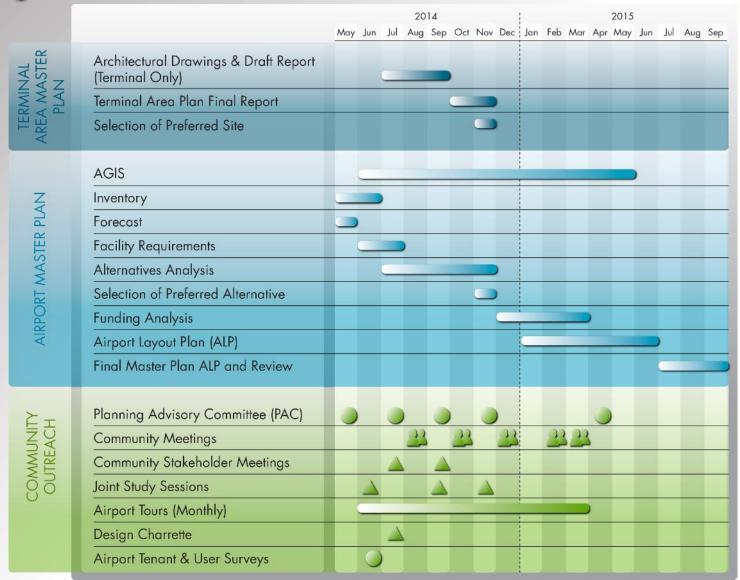


Comparisons Rough Order Magnitude Cost Estimates

| | PAL1 | PAL 2 | Total |
|--|--------------------|-------------------|-------------------|
| Alternative One- Renovate and Expand | \$ 83,276,528 | \$ 58,241,536 | \$ 141,518,064 |
| Alternative Two- Construct New - West | \$ 78,812,243 | \$ 54,807,827 | \$ 133,620,070 |
| Alternative Three- Construct New - East | \$ 114,718,592 | \$ 19,681,043 | \$ 134,399,635 |
| | | | |
| Alt 1 vs. Alt 2 | \$ 4,464,285 | \$ (3,433,709) | \$ 7,897,994 |
| Alt 1 vs. Alt 3 | \$ (31,442,064) | \$ 38,560,493 | \$ 7,118,429 |
| Alt 2 vs. Alt 3 | \$ (35,906,349) | \$ 35,126,784 | \$ (779,565) |
| | | | |



Project Timeline





Next Steps

- Continued public outreach
- November 20th PAC meeting to provide input on refined alternatives and briefing to Airport Advisory Board
- January 15th Community Open House with identification of recommended alternative
- January Joint Study Session to discuss recommended alternative





>>> Thank You!

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