



APPENDIX M

COST ESTIMATES



Harvey Field
Preliminary Cost Estimate
CONSTRUCT AIRPORT WAY

					CONSTRUCT AIRPORT WAY	
Item Description	Unit	Unit Price	Quantity	Total		
MOBILIZATION						
15% Mobilization	LS	Varies	1	\$	394,300.00	
PAVEMENT REMOVAL						
Pavement removal - Complete	SY	\$ 10.00	30,000	\$	300,000.00	
EXCAVATION AND EMBANKMENT						
Unclassified Excavation	CY	\$ 10.00	50,000	\$	500,000.00	
Over Excavation	CY	\$ 15.00	15,000	\$	225,000.00	
Subgrade Preparation	SY	\$ 5.00	21,000	\$	105,000.00	
SUBBASE COURSE						
Aggregate Subbase Course (18")	CY	\$ 30.00	10,000	\$	300,000.00	
EROSION CONTROL						
Erosion Control	LS	\$ 10,000.00	1	\$	10,000.00	
CRUSHED AGGREGATE BASE COURSE						
Crushed Aggregate Base Course (12")	CY	\$ 40.00	7,000	\$	280,000.00	
SOIL STERILIZATION						
Soil Sterilization	SY	\$ 0.20	21,000	\$	4,200.00	
PLANT MIX BITUMINOUS PAVEMENTS						
Bituminous Surface Course (4")	TON	\$ 120.00	4,500	\$	540,000.00	
BITUMINOUS TACK COAT						
Bituminous Tack Coat	GAL	\$ 1.50	3,500	\$	5,250.00	
ROADWAY PAINTING						
Temporary Pavement Markings	SF	\$ 1.00	8,400	\$	8,400.00	
Permanent Pavement Markings	SF	\$ 1.00	8,400	\$	8,400.00	
REINFORCED CONCRETE PIPE						
Install 36" RCP	LF	\$ 95.00	1,440	\$	136,800.00	
Install 48" RCP	LF	\$ 125.00	120	\$	15,000.00	
TOPSOIL						
Strip, Stockpile, and Spread Topsoil	AC	\$ 1,000.00	20	\$	20,000.00	
SEEDING						
Seeding and Hydromulch	AC	\$ 1,000.00	20	\$	20,000.00	
UTILITY MODIFICATIONS						
Relocate OH Electrical	LF	\$ 150.00	1,000	\$	150,000.00	
Item Total				\$	3,022,350.00	
20% Contingency				\$	604,470.00	
Engineering Design Fees (Est)				\$	302,235.00	
Construction Management Fees (Est)				\$	302,235.00	
Total				\$	4,231,290.00	

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.

Roadway on embankment extended to south portion of depressed floodplain area.
 Roadway Section: (2) 12' lanes with 8' shoulders and 3:1 sideslopes
 36" RCP: 120' long pipes placed every 200 feet in depressed floodplain area (12 pipes).
 48" RCP: Pipe for slough under road near Marsh Rd
 Silt Fence: Placed along upstream side of perimeter slough



Harvey Field
Preliminary Cost Estimate
CONSTRUCT NORTHEAST APRON (100' X 500')

				CONSTRUCT NORTHEAST APRON	
Item	Item Description	Unit	Unit Price	Quantity	Total
GP-105	MOBILIZATION				
GP-105a	10% Mobilization	LS	Varies	1	\$ 43,100.00
P-140	PAVEMENT REMOVAL				
P-140b	Pavement removal - Complete	SY	\$ 10.00	0	\$ -
P-152	EXCAVATION AND EMBANKMENT				
P-152a	Unclassified Excavation	CY	\$ 10.00	3,200	\$ 32,000.00
P-152b	Over Excavation	CY	\$ 20.00	852	\$ 17,049.60
P-152c	Subgrade Preparation	SY	\$ 5.00	6,400	\$ 32,000.00
P-156	EROSION CONTROL				
P-156a	Erosion Control	LS	\$ 25,000.00	1	\$ 25,000.00
P-209	CRUSHED AGGREGATE BASE COURSE				
P-209a	Crushed Aggregate Base Course (9")	CY	\$ 50.00	1,600	\$ 80,000.00
P-222	SOIL STERILIZATION				
P-222	Soil Sterilization	SY	\$ 0.20	6,400	\$ 1,280.00
P-310	GEOSYNTHETIC PRODUCTS				
P-310a	Stabilization Fabric	SY	\$ 2.00	6,400	\$ 12,800.00
P-401	PLANT MIX BITUMINOUS PAVEMENTS				
P-401a	Bituminous Surface Course (4")	TON	\$ 65.00	1,600	\$ 104,000.00
P-401b	Modified Bituminous Material	TON	\$ 650.00	104	\$ 67,600.00
P-603	BITUMINOUS TACK COAT				
P-603a	Bituminous Tack Coat	GAL	\$ 1.50	1,100	\$ 1,650.00
P-620	RUNWAY AND TAXIWAY PAINTING				
P-620a	Temporary Pavement Markings	SF	\$ 1.00	2,600	\$ 2,600.00
P-620b	Permanent Pavement Markings	SF	\$ 1.00	2,600	\$ 2,600.00
D-701	REINFORCED CONCRETE PIPE				
D-701b	Install 18" RCP, CLASS V	LF	\$ 82.00	200	\$ 16,400.00
D-705	PIPE UNDERDRAINS FOR AIRPORTS				
D-705a	Install 6" Perforated Polyethylene Pipe	LF	\$ 25.00	800	\$ 20,000.00
D-751	MANHOLES & INSPECTION HOLES				
D-751a	Install Underdrain Inspection Pit	EA	\$ 4,000.00	2	\$ 8,000.00
D-751b	Install Underdrain Cleanouts	EA	\$ 1,500.00	2	\$ 3,000.00
T-901	SEEDING				
L-108a	Seeding and Hydromulch	AC	\$ 5,000.00	1	\$ 5,000.00
Item Total					\$ 474,079.60
20% Contingency					\$ 94,815.92
Engineering Design Fees (Est.)					\$ 47,407.96
Construction Management Fees (Est.)					\$ 47,407.96
Total					\$ 663,711.44

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.



Harvey Field
Preliminary Cost Estimate
CONSTRUCT EAST APRON (180' X 670')

				CONSTRUCT EAST APRON	
Item	Item Description	Unit	Unit Price	Quantity	Total
GP-105	MOBILIZATION				
GP-105a	10% Mobilization	LS	Varies	1	\$ 108,800.00
P-140	PAVEMENT REMOVAL				
P-140b	Pavement removal - Complete	SY	\$ 10.00	0	\$ -
P-152	EXCAVATION AND EMBANKMENT				
P-152a	Unclassified Excavation	CY	\$ 10.00	8,550	\$ 85,500.00
P-152b	Over Excavation	CY	\$ 20.00	2,278	\$ 45,554.40
P-152c	Subgrade Preparation	SY	\$ 5.00	17,100	\$ 85,500.00
P-156	EROSION CONTROL				
P-156a	Erosion Control	LS	\$ 25,000.00	1	\$ 25,000.00
P-209	CRUSHED AGGREGATE BASE COURSE				
P-209a	Crushed Aggregate Base Course (9")	CY	\$ 50.00	4,275	\$ 213,750.00
P-222	SOIL STERILIZATION				
P-222	Soil Sterilization	SY	\$ 0.20	17,100	\$ 3,420.00
P-310	GEOSYNTHETIC PRODUCTS				
P-310a	Stabilization Fabric	SY	\$ 2.00	17,100	\$ 34,200.00
P-401	PLANT MIX BITUMINOUS PAVEMENTS				
P-401a	Bituminous Surface Course (4")	TON	\$ 65.00	4,700	\$ 305,500.00
P-401b	Modified Bituminous Material	TON	\$ 650.00	306	\$ 198,575.00
P-603	BITUMINOUS TACK COAT				
P-603a	Bituminous Tack Coat	GAL	\$ 1.50	2,900	\$ 4,350.00
P-620	RUNWAY AND TAXIWAY PAINTING				
P-620a	Temporary Pavement Markings	SF	\$ 1.00	6,800	\$ 6,800.00
P-620b	Permanent Pavement Markings	SF	\$ 1.00	6,800	\$ 6,800.00
D-701	REINFORCED CONCRETE PIPE				
D-701b	Install 18" RCP, CLASS V	LF	\$ 82.00	200	\$ 16,400.00
D-705	PIPE UNDERDRAINS FOR AIRPORTS				
D-705a	Install 6" Perforated Polyethylene Pipe	LF	\$ 25.00	1,300	\$ 32,500.00
D-751	MANHOLES & INSPECTION HOLES				
D-751a	Install Underdrain Inspection Pit	EA	\$ 4,000.00	2	\$ 8,000.00
D-751b	Install Underdrain Cleanouts	EA	\$ 1,500.00	4	\$ 6,000.00
T-901	SEEDING				
L-108a	Seeding and Hydromulch	AC	\$ 5,000.00	2	\$ 10,000.00
Item Total					\$ 1,196,649.40
20% Contingency					\$ 239,329.88
Engineering Design Fees (Est.)					\$ 119,664.94
Construction Management Fees (Est.)					\$ 119,664.94
Total					\$ 1,675,309.16

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.



Harvey Field
Preliminary Cost Estimate
CONSTRUCT WEST APRON (740' X 1,140')

				CONSTRUCT WEST APRON	
Item	Item Description	Unit	Unit Price	Quantity	Total
GP-105	MOBILIZATION				
GP-105a	10% Mobilization	LS	Varies	1	\$ 316,700.00
P-140	PAVEMENT REMOVAL				
P-140b	Pavement removal - Complete	SY	\$ 10.00	0	\$ -
P-152	EXCAVATION AND EMBANKMENT				
P-152a	Unclassified Excavation	CY	\$ 10.00	44,800	\$ 448,000.00
P-152b	Over Excavation	CY	\$ 20.00	11,935	\$ 238,694.40
P-152c	Subgrade Preparation	SY	\$ 5.00	89,600	\$ 448,000.00
P-156	EROSION CONTROL				
P-156a	Erosion Control	LS	\$ 35,000.00	1	\$ 35,000.00
P-209	CRUSHED AGGREGATE BASE COURSE				
P-209a	Crushed Aggregate Base Course (9")	CY	\$ 50.00	22,400	\$ 1,120,000.00
P-222	SOIL STERILIZATION				
P-222	Soil Sterilization	SY	\$ 0.20	89,600	\$ 17,920.00
P-310	GEOSYNTHETIC PRODUCTS				
P-310a	Stabilization Fabric	SY	\$ 2.00	89,600	\$ 179,200.00
P-401	PLANT MIX BITUMINOUS PAVEMENTS				
P-401a	Bituminous Surface Course (4")	TON	\$ 65.00	4,700	\$ 305,500.00
P-401b	Modified Bituminous Material	TON	\$ 650.00	306	\$ 198,575.00
P-603	BITUMINOUS TACK COAT				
P-603a	Bituminous Tack Coat	GAL	\$ 1.50	14,800	\$ 22,200.00
P-620	RUNWAY AND TAXIWAY PAINTING				
P-620a	Temporary Pavement Markings	SF	\$ 1.00	35,500	\$ 35,500.00
P-620b	Permanent Pavement Markings	SF	\$ 1.00	35,500	\$ 35,500.00
D-701	REINFORCED CONCRETE PIPE				
D-701b	Install 18" RCP, CLASS V	LF	\$ 82.00	200	\$ 16,400.00
D-705	PIPE UNDERDRAINS FOR AIRPORTS				
D-705a	Install 6" Perforated Polyethylene Pipe	LF	\$ 25.00	1,300	\$ 32,500.00
D-751	MANHOLES & INSPECTION HOLES				
D-751a	Install Underdrain Inspection Pit	EA	\$ 4,000.00	2	\$ 8,000.00
D-751b	Install Underdrain Cleanouts	EA	\$ 1,500.00	4	\$ 6,000.00
T-901	SEEDING				
L-108a	Seeding and Hydromulch	AC	\$ 5,000.00	4	\$ 20,000.00
Item Total					\$ 3,483,689.40
20% Contingency					\$ 696,737.88
Engineering Design Fees (Est.)					\$ 348,368.94
Construction Management Fees (Est.)					\$ 348,368.94
Total					\$ 4,877,165.16

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.



Harvey Field
Preliminary Cost Estimate
CONSTRUCT HELIPAD

				CONSTRUCT HELIPAD	
Item	Item Description	Unit	Unit Price	Quantity	Total
GP-105	MOBILIZATION				
GP-105a	10% Mobilization	LS	Varies	1	\$ 35,000.00
P-140	PAVEMENT REMOVAL				
P-140b	Pavement removal - Complete	SY	\$ 10.00	0	\$ -
P-152	EXCAVATION AND EMBANKMENT				
P-152a	Unclassified Excavation	CY	\$ 10.00	2,500	\$ 25,000.00
P-152b	Over Excavation	CY	\$ 20.00	667	\$ 13,333.33
P-152c	Subgrade Preparation	SY	\$ 5.00	5,000	\$ 25,000.00
P-156	EROSION CONTROL				
P-156a	Erosion Control	LS	\$ 10,000.00	1	\$ 10,000.00
P-209	CRUSHED AGGREGATE BASE COURSE				
P-209a	Crushed Aggregate Base Course (6")	CY	\$ 50.00	833	\$ 41,666.67
P-222	SOIL STERILIZATION				
P-222	Soil Sterilization	SY	\$ 0.20	5,000	\$ 1,000.00
P-310	GEOSYNTHETIC PRODUCTS				
P-310a	Stabilization Fabric	SY	\$ 2.00	5,000	\$ 10,000.00
P-401	PLANT MIX BITUMINOUS PAVEMENTS				
P-401a	Bituminous Surface Course (4")	TON	\$ 65.00	1,400	\$ 91,000.00
P-401b	Modified Bituminous Material	TON	\$ 650.00	91	\$ 59,150.00
P-603	BITUMINOUS TACK COAT				
P-603a	Bituminous Tack Coat	GAL	\$ 1.50	900	\$ 1,350.00
P-620	RUNWAY AND TAXIWAY PAINTING				
P-620a	Temporary Pavement Markings	SF	\$ 1.00	2,000	\$ 2,000.00
P-620b	Permanent Pavement Markings	SF	\$ 1.00	2,000	\$ 2,000.00
D-701	REINFORCED CONCRETE PIPE				
D-701b	Install 18" RCP, CLASS V	LF	\$ 82.00	200	\$ 16,400.00
D-705	PIPE UNDERDRAINS FOR AIRPORTS				
D-705a	Install 6" Perforated Polyethylene Pipe	LF	\$ 25.00	1,000	\$ 25,000.00
D-751	MANHOLES & INSPECTION HOLES				
D-751a	Install Underdrain Inspection Pit	EA	\$ 4,000.00	2	\$ 8,000.00
D-751b	Install Underdrain Cleanouts	EA	\$ 1,500.00	6	\$ 9,000.00
T-901	SEEDING				
L-108a	Seeding and Hydromulch	AC	\$ 5,000.00	2	\$ 10,000.00
Item Total					\$ 384,900.00
20% Contingency					\$ 76,980.00
Engineering Design Fees (Est.)					\$ 38,490.00
Construction Management Fees (Est.)					\$ 38,490.00
Total					\$ 538,860.00

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.



Harvey Field
Preliminary Cost Estimate
Seal Coat Runway 15/33

				SEAL COAT RUNWAY	
Item	Item Description	Unit	Unit Price	Quantity	Total
GP-105	MOBILIZATION				
GP-105a	10% Mobilization	LS	Varies	1	\$ 19,700.00
P-101	CRACK SEAL				
P-101a	Minor Crack Repair	LF	\$ 2.50	15,000	\$ 37,500.00
P-608	FOG SEAL				
P-608a	Fog Seal with Sand	SY	\$ 2.00	22,000	\$ 44,000.00
P-620	PAVEMENT MARKINGS				
P-620a	Obliterate Existing Markings	SF	\$ 2.00	23,000	\$ 46,000.00
P-620b	Temporary Pavement Markings	SF	\$ 1.50	23,000	\$ 34,500.00
P-620c	Permanent Pavement Markings	SF	\$ 1.50	23,000	\$ 34,500.00
Item Total					\$ 216,200.00
20% Contingency					\$ 43,240.00
Engineering Design Fees (Est.)					\$ 21,620.00
Construction Management Fees (Est.)					\$ 21,620.00
Total					\$ 302,680.00

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.



Harvey Field
Preliminary Cost Estimate
Seal Coat Taxiway

				SEAL COAT TAXIWAY	
Item	Item Description	Unit	Unit Price	Quantity	Total
GP-105	MOBILIZATION				
GP-105a	10% Mobilization	LS	Varies	1	\$ 5,600.00
P-101	CRACK SEAL				
P-101a	Minor Crack Repair	LF	\$ 2.50	7,500	\$ 18,750.00
P-608	FOG SEAL				
P-608a	Fog Seal without Sand	SY	\$ 1.75	9,800	\$ 17,150.00
P-620	PAVEMENT MARKINGS				
P-620a	Obliterate Existing Markings	SF	\$ 2.00	3,900	\$ 7,800.00
P-620b	Temporary Pavement Markings	SF	\$ 1.50	3,900	\$ 5,850.00
P-620c	Permanent Pavement Markings	SF	\$ 1.50	3,900	\$ 5,850.00
Item Total					\$ 61,000.00
20% Contingency					\$ 12,200.00
Engineering Design Fees (Est.)					\$ 6,100.00
Construction Management Fees (Est.)					\$ 6,100.00
Total					\$ 85,400.00

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.



Harvey Field
Preliminary Cost Estimate
Seal Coat Aprons and Helipad

				SEAL COAT APRONS AND HELIPAD	
Item	Item Description	Unit	Unit Price	Quantity	Total
GP-105	MOBILIZATION				
GP-105a	10% Mobilization	LS	Varies	1	\$ 48,600.00
P-101	CRACK SEAL				
P-101a	Minor Crack Repair	LF	\$ 2.00	25,000	\$ 50,000.00
P-608	FOG SEAL				
P-608a	Fog Seal without Sand	SY	\$ 1.70	118,100	\$ 200,770.00
P-620	PAVEMENT MARKINGS				
P-620a	Obliterate Existing Markings	SF	\$ 2.00	46,900	\$ 93,800.00
P-620b	Temporary Pavement Markings	SF	\$ 1.50	46,900	\$ 70,350.00
P-620c	Permanent Pavement Markings	SF	\$ 1.50	46,900	\$ 70,350.00
Item Total					\$ 533,870.00
20% Contingency					\$ 106,774.00
Engineering Design Fees (Est.)					\$ 53,387.00
Construction Management Fees (Est.)					\$ 53,387.00
Total					\$ 747,418.00

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.



Harvey Field
Preliminary Cost Estimate
Rehabilitate Runway 15/33

				REHABILITATE RUNWAY	
Item	Item Description	Unit	Unit Price	Quantity	Total
GP-105	MOBILIZATION				
GP-105a	10% Mobilization	LS	Varies	1	\$ 66,000.00
P-140	PAVEMENT REMOVAL				
P-140a	Pavement removal - Partial	SY	\$ 3.00	23,200	\$ 69,600.00
P-101	CRACK SEAL				
P-101a	Minor Crack Repair	LF	\$ 2.50	25,000	\$ 62,500.00
P-101a	Major Crack Repair	LF	\$ 25.00	6,000	\$ 150,000.00
P-156	EROSION CONTROL				
P-156a	Erosion Control	LS	\$ 15,000.00	1	\$ 15,000.00
P-401	PLANT MIX BITUMINOUS PAVEMENTS				
P-401a	Bituminous Surface Course (4")	TON	\$ 65.00	2,900	\$ 188,500.00
P-401b	Modified Bituminous Material	TON	\$ 650.00	189	\$ 122,525.00
P-603	BITUMINOUS TACK COAT				
P-603a	Bituminous Tack Coat	GAL	\$ 1.50	3,900	\$ 5,850.00
P-620	RUNWAY AND TAXIWAY PAINTING				
P-620a	Temporary Pavement Markings	SF	\$ 1.00	23,000	\$ 23,000.00
P-620b	Permanent Pavement Markings	SF	\$ 1.00	23,000	\$ 23,000.00
Item Total					\$ 725,975.00
20% Contingency					\$ 145,195.00
Engineering Design Fees (Est.)					\$ 72,597.50
Construction Management Fees (Est.)					\$ 72,597.50
Total					\$ 1,016,365.00

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.



Harvey Field
Preliminary Cost Estimate
Rehabilitate Taxiway

				REHABILITATE TAXIWAY	
Item	Item Description	Unit	Unit Price	Quantity	Total
GP-105	MOBILIZATION				
GP-105a	10% Mobilization	LS	Varies	1	\$ 27,700.00
P-140	PAVEMENT REMOVAL				
P-140a	Pavement removal - Partial	SY	\$ 3.00	9,800	\$ 29,400.00
P-101	CRACK SEAL				
P-101a	Minor Crack Repair	LF	\$ 2.50	10,000	\$ 25,000.00
P-101a	Major Crack Repair	LF	\$ 25.00	2,500	\$ 62,500.00
P-156	EROSION CONTROL				
P-156a	Erosion Control	LS	\$ 10,000.00	1	\$ 10,000.00
P-401	PLANT MIX BITUMINOUS PAVEMENTS				
P-401a	Bituminous Surface Course (4")	TON	\$ 65.00	1,300	\$ 84,500.00
P-401b	Modified Bituminous Material	TON	\$ 650.00	85	\$ 54,925.00
P-603	BITUMINOUS TACK COAT				
P-603a	Bituminous Tack Coat	GAL	\$ 1.50	1,700	\$ 2,550.00
P-620	RUNWAY AND TAXIWAY PAINTING				
P-620a	Temporary Pavement Markings	SF	\$ 1.00	3,900	\$ 3,900.00
P-620b	Permanent Pavement Markings	SF	\$ 1.00	3,900	\$ 3,900.00
Item Total					\$ 304,375.00
20% Contingency					\$ 60,875.00
Engineering Design Fees (Est.)					\$ 30,437.50
Construction Management Fees (Est.)					\$ 30,437.50
Total					\$ 426,125.00

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.



Harvey Field
Preliminary Cost Estimate
Rehabilitate Aprons

				REHABILITATE APRONS	
Item	Item Description	Unit	Unit Price	Quantity	Total
GP-105	MOBILIZATION				
GP-105a	10% Mobilization	LS	Varies	1	\$ 243,900.00
P-140	PAVEMENT REMOVAL				
P-140a	Pavement removal - Partial	SY	\$ 3.00	118,100	\$ 354,300.00
P-101	CRACK SEAL				
P-101a	Minor Crack Repair	LF	\$ 2.50	50,000	\$ 125,000.00
P-101a	Major Crack Repair	LF	\$ 25.00	10,000	\$ 250,000.00
P-156	EROSION CONTROL				
P-156a	Erosion Control	LS	\$ 10,000.00	1	\$ 10,000.00
P-401	PLANT MIX BITUMINOUS PAVEMENTS				
P-401a	Bituminous Surface Course (4")	TON	\$ 65.00	14,700	\$ 955,500.00
P-401b	Modified Bituminous Material	TON	\$ 650.00	956	\$ 621,075.00
P-603	BITUMINOUS TACK COAT				
P-603a	Bituminous Tack Coat	GAL	\$ 1.50	19,500	\$ 29,250.00
P-620	RUNWAY AND TAXIWAY PAINTING				
P-620a	Temporary Pavement Markings	SF	\$ 1.00	46,900	\$ 46,900.00
P-620b	Permanent Pavement Markings	SF	\$ 1.00	46,900	\$ 46,900.00
Item Total					\$ 2,682,825.00
20% Contingency					\$ 536,565.00
Engineering Design Fees (Est.)					\$ 268,282.50
Construction Management Fees (Est.)					\$ 268,282.50
Total					\$ 3,755,955.00

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.



Harvey Field
Preliminary Cost Estimate
Construct Runway 15/33

					CONSTRUCT RUNWAY	
Item	Item Description	Unit	Unit Price	Quantity	Total	
GP-105	MOBILIZATION					
GP-105a	10% Mobilization	LS	Varies	1	\$	270,100.00
P-140	PAVEMENT REMOVAL					
P-140a	Pavement removal - Complete	SY	\$ 10.00	16,700	\$	167,000.00
P-152	EXCAVATION AND EMBANKMENT					
P-152a	Embankment	CY	\$ 10.00	40,000	\$	400,000.00
P-152b	Over Excavation	CY	\$ 20.00	5,150	\$	103,008.00
P-152c	Subgrade Preparation	SY	\$ 5.00	23,200	\$	116,000.00
P-156	EROSION CONTROL					
P-156a	Erosion Control	LS	\$ 40,000.00	1	\$	40,000.00
P-209	CRUSHED AGGREGATE BASE COURSE					
P-209a	Crushed Aggregate Base Course (9")	CY	\$ 50.00	5,800	\$	290,000.00
P-222	SOIL STERILIZATION					
P-222	Soil Sterilization	SY	\$ 0.20	23,200	\$	4,640.00
P-310	GEOSYNTHETIC PRODUCTS					
P-310a	Stabilization Fabric	SY	\$ 2.00	23,200	\$	46,400.00
P-401	PLANT MIX BITUMINOUS PAVEMENTS					
P-401a	Bituminous Surface Course (4")	TON	\$ 65.00	6,400	\$	416,000.00
P-401b	Modified Bituminous Material	TON	\$ 650.00	416	\$	270,400.00
P-603	BITUMINOUS TACK COAT					
P-603a	Bituminous Tack Coat	GAL	\$ 1.50	3,900	\$	5,850.00
P-620	RUNWAY AND TAXIWAY PAINTING					
P-620a	Temporary Pavement Markings	SF	\$ 1.00	23,000	\$	23,000.00
P-620b	Permanent Pavement Markings	SF	\$ 1.00	23,000	\$	23,000.00
D-701	REINFORCED CONCRETE PIPE					
D-701a	Install 36" RCP, CLASS V	LF	\$ 150.00	1,750	\$	262,500.00
D-701b	Install 18" RCP, CLASS V	LF	\$ 82.00	400	\$	32,800.00
D-705	PIPE UNDERDRAINS FOR AIRPORTS					
D-705a	Install 6" Perforated Polyethylene Pipe	LF	\$ 25.00	5,000	\$	125,000.00
D-751	MANHOLES & INSPECTION HOLES					
D-751a	Install Underdrain Inspection Pit	EA	\$ 4,000.00	6	\$	24,000.00
D-751b	Install Underdrain Cleanouts	EA	\$ 1,500.00	20	\$	30,000.00
T-901	SEEDING					
L-108a	Seeding and Hydromulch	AC	\$ 5,000.00	10	\$	50,000.00
L-108	INSTALLATION OF UNDERGROUND CABLE FOR AIRPORTS					
L-108a	L-824C #8 AWG 5000V Cable	LF	\$ 3.00	8,000	\$	24,000.00
L-108b	#6 AWG Bare Counterpoise Wire	LF	\$ 2.25	8,000	\$	18,000.00
L-109	AIRPORT ELECTRICAL EQUIPMENT BUILDING					
L-109a	Install New Regulator	EA	\$ 30,000.00	1	\$	30,000.00



Harvey Field
 Preliminary Cost Estimate
 Construct Runway 15/33

					CONSTRUCT RUNWAY		
Item	Item Description	Unit	Unit Price	Quantity	Total		
L-110	AIRPORT UNDERGROUND ELECTRICAL DUCT						
L-110a	1-2" SCH. 40 PVC Conduit (DEB)	LF	\$ 10.00	7,000	\$	70,000.00	
L-110b	1-2" SCH. 40 PVC Conduit (CE)	LF	\$ 25.00	500	\$	12,500.00	
L-125	INSTALLATION OF AIRPORT LIGHTING SYSTEMS						
L-125b	Remove and Install New Runway Edge lights	EA	\$ 1,500.00	50	\$	75,000.00	
L-125d	L-858 Guidance Sign, 2 Module	EA	\$ 4,000.00	4	\$	16,000.00	
L-125e	Install REIL	LS	\$ 20,000.00	1	\$	20,000.00	
L-806	Wind Cone						
L-806	Relocate Wind Cone	LS	\$ 5,000.00	1	\$	5,000.00	
Item Total					\$	2,970,198.00	
20% Contingency					\$	594,039.60	
Engineering Design Fees (Est.)					\$	297,019.80	
Construction Management Fees (Est.)					\$	297,019.80	
Total					\$	4,158,277.20	

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.



Harvey Field
Preliminary Cost Estimate
CONSTRUCT TAXIWAY

					CONSTRUCT TAXIWAY	
Item	Item Description	Unit	Unit Price	Quantity	Total	
GP-105	MOBILIZATION					
GP-105a	10% Mobilization	LS	Varies	1	\$	156,100.00
P-140	PAVEMENT REMOVAL					
P-140a	Pavement removal - Complete	SY	\$ 10.00	5,500	\$	55,000.00
P-152	EXCAVATION AND EMBANKMENT					
P-152a	Unclassified Excavation	CY	\$ 10.00	50,000	\$	500,000.00
P-152b	Over Excavation	CY	\$ 20.00	2,173	\$	43,468.49
P-152c	Subgrade Preparation	SY	\$ 5.00	9,800	\$	49,000.00
P-156	EROSION CONTROL					
P-156a	Erosion Control	LS	\$ 25,000.00	1	\$	25,000.00
P-209	CRUSHED AGGREGATE BASE COURSE					
P-209a	Crushed Aggregate Base Course (9")	CY	\$ 50.00	2,450	\$	122,500.00
P-222	SOIL STERILIZATION					
P-222	Soil Sterilization	SY	\$ 0.20	9,800	\$	1,960.00
P-310	GEOSYNTHETIC PRODUCTS					
P-310a	Stabilization Fabric	SY	\$ 2.00	9,800	\$	19,600.00
P-401	PLANT MIX BITUMINOUS PAVEMENTS					
P-401a	Bituminous Surface Course (4")	TON	\$ 65.00	2,100	\$	136,500.00
P-401b	Modified Bituminous Material	TON	\$ 650.00	137	\$	88,725.00
P-603	BITUMINOUS TACK COAT					
P-603a	Bituminous Tack Coat	GAL	\$ 1.50	1,700	\$	2,550.00
P-620	RUNWAY AND TAXIWAY PAINTING					
P-620a	Temporary Pavement Markings	SF	\$ 1.00	3,900	\$	3,900.00
P-620b	Permanent Pavement Markings	SF	\$ 1.00	3,900	\$	3,900.00
D-701	REINFORCED CONCRETE PIPE					
D-701a	Install 36" RCP, CLASS V	LF	\$ 150.00	1,050	\$	157,500.00
D-701b	Install 18" RCP, CLASS V	LF	\$ 82.00	100	\$	8,200.00
D-705	PIPE UNDERDRAINS FOR AIRPORTS					
D-705a	Install 6" Perforated Polyethylene Pipe	LF	\$ 25.00	6,000	\$	150,000.00
D-751	MANHOLES & INSPECTION HOLES					
D-751a	Install Underdrain Inspection Pit	EA	\$ 4,000.00	6	\$	24,000.00
D-751b	Install Underdrain Cleanouts	EA	\$ 1,500.00	20	\$	30,000.00
T-901	SEEDING					
L-108a	Seeding and Hydromulch	AC	\$ 5,000.00	11	\$	55,000.00
L-125	INSTALLATION OF AIRPORT LIGHTING SYSTEMS					
L-125a	Taxiway Edge Reflective Markers	EA	\$ 350.00	60	\$	21,000.00
L-125d	L-858 Guidance Sign, 2 Module- Unlighted	EA	\$ 3,200.00	4	\$	12,800.00
L-880	PRECISION APPROACH PATH INDICATOR					
L-880	Install PAPI	LS	\$ 50,000.00	1	\$	50,000.00
Item Total					\$	1,716,703.49
20% Contingency					\$	343,340.70
Engineering Design Fees (Est.)					\$	171,670.35
Construction Management Fees (Est.)					\$	171,670.35
Total					\$	2,403,384.88

NOTES:

Cost estimates are preliminary conceptual estimates for planning purposes only. Costs do not represent detailed engineering costs and analysis.