

Appendix D

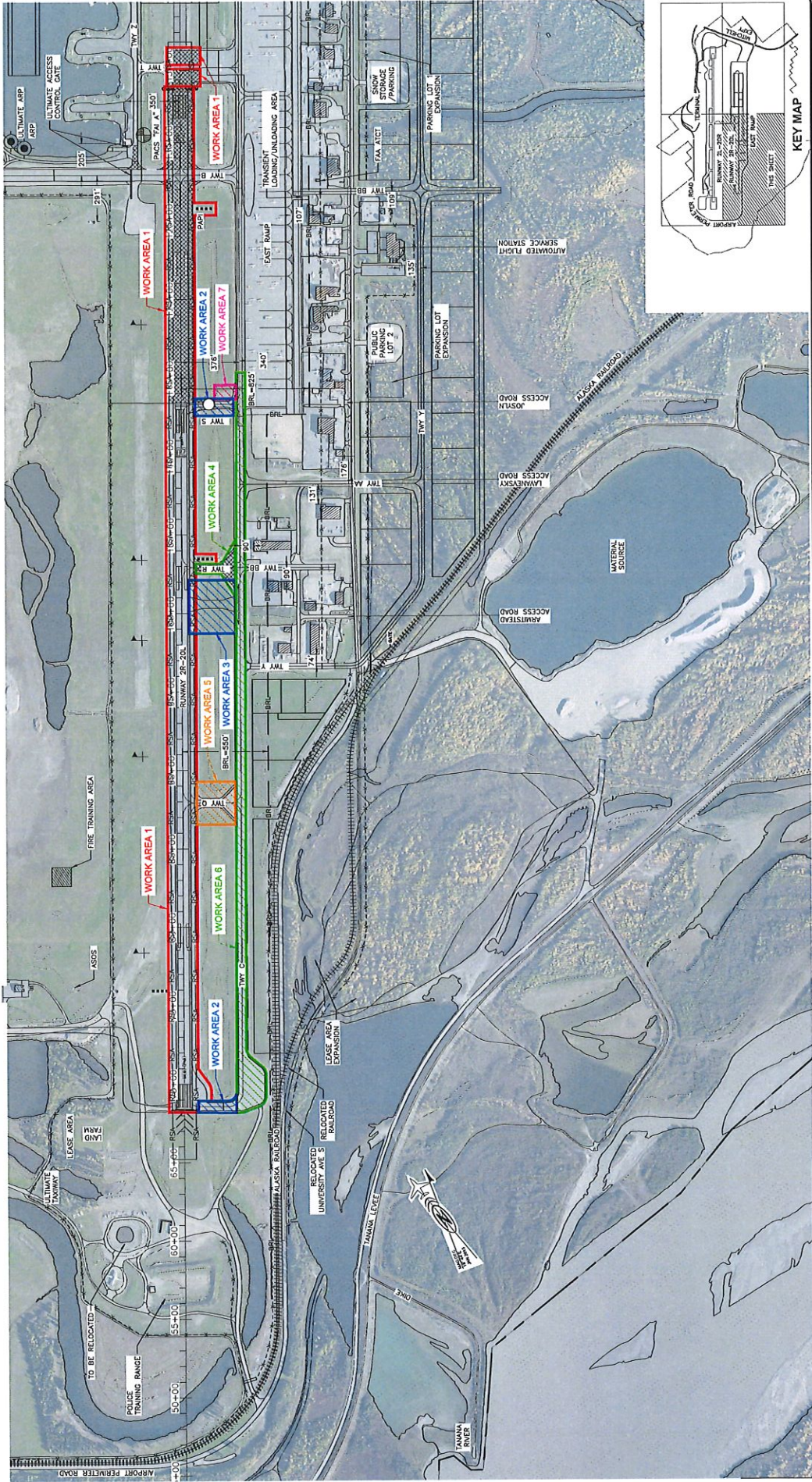
COST ESTIMATES



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Fairbanks International Airport, Eastside Master Plan - CIP Projects		Project Total
1a	Resurface/Reconstruct/Lighting Runway 2R-20L	\$ 11,500,000
1b	Resurface/Reconfigure Taxiways for Runway 2R-20L	\$ 9,810,000
2	Reconstruct/Reconfigure East Apron	\$ 36,900,000
3	Floatpond Dredging and Slip Expansion Feasibility	\$ 500,000
4	Resurface University Avenue and Provide Pedestrian Path	\$ 15,100,000
5	Expand Public Parking; Provide Electrical Service, Add Fencing/Signs	\$ 1,700,000
6	Continuous Fencing and Gates Along Lease Lots (fence and gate locations to be determined)	\$ 2,700,000
7	Slip Expansion Phase 1, Floatplane Ramp, and Float Pond Taxilane Development	\$ 20,200,000
8	Extend Taxiways C and Power and Relocate Float Pond Road for Lease Lot Expansion	\$ 7,700,000
9	Extend Taxiway D and Power and Relocate Float Pond Road for Lease Lot Expansion	\$ 5,500,000
10	Slip Expansion and Power Phase 2	\$ 6,400,000
11	Resurface Ski Strip	\$ 1,600,000
TOTAL		\$ 119,610,000

Work Area (Project Number)	Projects 1a and 1b Resurface/Reconstruct/Lighting Runway 2R/20L	Work Area Cost	Cumulative Project Total
1 (1a)	Shorten/Reconstruct/Resurface Runway to 4515 FT	\$ 11,500,000	\$ 11,500,000
2 (1b)	Resurface Connectors: TWY C and TWY S	\$ 2,230,000	\$ 13,730,000
3 (1b)	Construct Relocated TWY R	\$ 1,150,000	\$ 14,880,000
4 (1b)	Remove Existing TWY R	\$ 90,000	\$ 14,970,000
5 (1b)	Reconstruct TWY Q	\$ 1,930,000	\$ 16,900,000
6 (1b)	Reconstruct Parallel TWY C and South Runup Area	\$ 3,720,000	\$ 20,620,000
7 (1b)	Construct North End Runup Area	\$ 690,000	\$ 21,310,000
Total Project 1a		\$ 11,500,000	
Total Project 1b		\$ 9,810,000	\$
TOTAL Projects 1a and 1b			\$ 21,310,000



FAIRBANKS INTERNATIONAL AIRPORT (FAI) RUNWAY 2R/20L WORK AREAS

NO.	DATE	REVISIONS	FAA

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION-AVIATION
APPROVED: _____ DATE _____

DESIGN KSL
DRAWN RT
CHECKED KSL



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

Project 1a WORK AREA: 1

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-100	Mobilization and Demobilization	LS	All Required	\$ 500,000	\$ 500,000
G-135	Construction Surveying	LS	All Required	\$ 50,000	\$ 50,000
G-200	Contractor Quality Control Program	LS	All Required	\$ 75,000	\$ 75,000
G-700	CSPP Compliance	LS	All Required	\$ 50,000	\$ 50,000
L-125	Lighted Sign	Each	0	\$ 10,000	\$ -
L-125	Runway Edge Light	Each	64	\$ 3,000	\$ 192,000
L-125	Taxiway Edge Light	Each	13	\$ 1,500	\$ 19,500
L-125	Remove Runway or Taxiway Fixture	Each	77	\$ 300	\$ 23,100
L-108 and L-110	Lighting Conductors, etc. (150% of fixture cost)	Total	All Required	\$ 352,000	\$ 352,000
P-162a	Pavement Removal	Square Yard	139,000	\$ 4	\$ 556,000
P-152a	Unclassified Excavation	Cubic Yard	44,100	\$ 18	\$ 793,800
P-154b	Subbase Course	Ton	63,200	\$ 30	\$ 1,896,000
P-209b	Crushed Aggregate Base Course	Ton	20,700	\$ 40	\$ 828,000
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	11,700	\$ 130	\$ 1,521,000
P-401c	Asphalt Cement, PG 52-28	Ton	620	\$ 450	\$ 279,000
--	Aircraft Gate	Each	1	\$ 250,000	\$ 250,000
P-620	Painted Markings	Total	All Required	\$ 140,264	\$ 140,264
P-620	Painted Marking Removal	Total	All Required	\$ 62,400	\$ 62,400
T-901	Seeding (1 ac min charge)	AC	4.40	\$ 3,000	\$ 13,220
Total Base Bid (BB):					\$ 7,601,284
Design Engineering (DE) at 8% + \$100K for RA with FAA					\$ 708,103
Construction Engineering (CE) at 15%:					\$ 1,140,193
Subtotal (BB + DE + CE):					\$ 9,449,579
Contingency at 15%					\$ 1,140,193
(ICAP) at 9.61%					\$ 908,105
Project Total:					\$ 11,497,876
Project Rounded Total:					\$ 11,500,000



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

Project 1b WORK AREA: 2

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-100	Mobilization and Demobilization	LS	All Required	\$ 500,000	\$ 500,000
G-135	Construction Surveying	LS	All Required	\$ 50,000	\$ 50,000
G-200	Contractor Quality Control Program	LS	All Required	\$ 75,000	\$ 75,000
G-700	CSPP Compliance	LS	All Required	\$ 50,000	\$ 50,000
L-125	Lighted Sign	Each	0	\$ 10,000	\$ -
L-125	Runway Edge Light	Each	0	\$ 3,000	\$ -
L-125	Taxiway Edge Light	Each	36	\$ 1,500	\$ 54,000
L-125	Remove Runway or Taxiway Fixture	Each	36	\$ 300	\$ 10,800
L-108 and L-110	Lighting Conductors, etc. (150% of fixture cost)	Total	All Required	\$ 98,000	\$ 98,000
P-162a	Pavement Removal	Square Yard	6,000	\$ 4	\$ 24,000
P-152a	Unclassified Excavation	Cubic Yard	9,000	\$ 18	\$ 162,000
P-154b	Subbase Course	Ton	0	\$ 30	\$ -
P-209b	Crushed Aggregate Base Course	Ton	2,700	\$ 40	\$ 108,000
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	1,900	\$ 130	\$ 247,000
P-401c	Asphalt Cement, PG 52-28	Ton	100	\$ 450	\$ 45,000
P-620	Painted Markings	Total	All Required	\$ 5,580	\$ 5,580
P-620	Painted Marking Removal	Total	All Required	\$ 5,200	\$ 5,200
T-901	Seeding (1 ac min charge)	AC	0.10	\$ 3,000	\$ 3,000
Total Base Bid (BB):					\$ 1,437,580
Design Engineering (DE) at 8%					\$ 115,006
Construction Engineering (CE) at 15%:					\$ 215,637
Subtotal (BB + DE + CE):					\$ 1,768,223
Contingency at 20%					\$ 287,516
(ICAP) at 9.61%					\$ 169,926
Project Total:					\$ 2,225,666
Project Rounded Total:					\$ 2,230,000



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

Project 1b WORK AREA: 3

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-100	Mobilization and Demobilization	LS	All Required	\$ -	\$ -
G-135	Construction Surveying	LS	All Required	\$ -	\$ -
G-200	Contractor Quality Control Program	LS	All Required	\$ -	\$ -
G-700	CSPP Compliance	LS	All Required	\$ -	\$ -
L-125	Lighted Sign	Each	1	\$ 10,000	\$ 10,000
L-125	Runway Edge Light	Each	1	\$ 3,000	\$ 3,000
L-125	Taxiway Edge Light	Each	18	\$ 1,500	\$ 27,000
L-125	Remove Runway or Taxiway Fixture	Each	2	\$ 300	\$ 600
L-108 and L-110	Lighting Conductors, etc. (150% of fixture cost)	Total	All Required	\$ 61,000	\$ 61,000
P-162a	Pavement Removal	Square Yard	0	\$ 4	\$ -
P-152a	Unclassified Excavation	Cubic Yard	6,000	\$ 18	\$ 108,000
P-154b	Subbase Course	Ton	7,500	\$ 30	\$ 225,000
P-209b	Crushed Aggregate Base Course	Ton	1,900	\$ 40	\$ 76,000
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	1,400	\$ 130	\$ 182,000
P-401c	Asphalt Cement, PG 52-28	Ton	70	\$ 450	\$ 31,500
P-620	Painted Markings	Total	All Required	\$ 3,630	\$ 3,630
P-620	Painted Marking Removal	Total	All Required	\$ -	\$ -
T-901	Seeding (1 ac min charge)	AC	4.40	\$ 3,000	\$ 13,214
Total Base Bid (BB):					\$ 740,944
Design Engineering (DE) at 8%					\$ 59,276
Construction Engineering (CE) at 15%:					\$ 111,142
Subtotal (BB + DE + CE):					\$ 911,362
Contingency at 20%					\$ 148,189
(ICAP) at 9.61%					\$ 87,582
Project Total:					\$ 1,147,132
Project Rounded Total:					\$ 1,150,000



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

Project 1b WORK AREA: 4

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-100	Mobilization and Demobilization	LS	All Required		\$ -
G-135	Construction Surveying	LS	All Required		\$ -
G-200	Contractor Quality Control Program	LS	All Required		\$ -
G-700	CSPP Compliance	LS	All Required		\$ -
L-125	Lighted Sign	Each	0	\$ 10,000	\$ -
L-125	Runway Edge Light	Each	0	\$ 3,000	\$ -
L-125	Taxiway Edge Light	Each	0	\$ 1,500	\$ -
L-125	Remove Runway or Taxiway Fixture	Each	18	\$ 300	\$ 5,400
L-108 and L-110	Lighting Conductors, etc. (150% of fixture cost)	Total	All Required	\$ 9,000	\$ 9,000
P-162a	Pavement Removal	Square Yard	4,000	\$ 4	\$ 16,000
P-152a	Unclassified Excavation	Cubic Yard	0	\$ 18	\$ -
P-154b	Subbase Course	Ton	0	\$ 30	\$ -
P-209b	Crushed Aggregate Base Course	Ton	0	\$ 40	\$ -
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	0	\$ 130	\$ -
P-401c	Asphalt Cement, PG 52-28	Ton	0	\$ 450	\$ -
P-620	Painted Markings	Total	All Required	\$ 3,000	\$ 3,000
P-620	Painted Marking Removal	Total	All Required	\$ 16,800	\$ 16,800
T-901	Seeding (1 ac min charge)	AC	0.76	\$ 3,000	\$ 3,000
Total Base Bid (BB):					\$ 53,200
Design Engineering (DE) at 8%					\$ 4,256
Construction Engineering (CE) at 15%:					\$ 7,980
Subtotal (BB + DE + CE):					\$ 65,436
Contingency at 20%					\$ 10,640
(ICAP) at 9.61%					\$ 6,288
Project Total:					\$ 82,364
Project Rounded Total:					\$ 90,000



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

Project 1b WORK AREA: 5

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-100	Mobilization and Demobilization	LS	All Required	\$ -	\$ -
G-135	Construction Surveying	LS	All Required	\$ -	\$ -
G-200	Contractor Quality Control Program	LS	All Required	\$ -	\$ -
G-700	CSPP Compliance	LS	All Required	\$ -	\$ -
L-125	Lighted Sign	Each	1	\$ 10,000	\$ 10,000
L-125	Runway Edge Light	Each	1	\$ 3,000	\$ 3,000
L-125	Taxiway Edge Light	Each	\$ 150.00	\$ 1,500	\$ 225,000
L-125	Remove Runway or Taxiway Fixture	Each	18	\$ 300	\$ 5,400
L-108 and L-110	Lighting Conductors, etc. (150% of fixture cost)	Total	All Required	\$ 366,000	\$ 366,000
P-162a	Pavement Removal	Square Yard	4,000	\$ 4	\$ 16,000
P-152a	Unclassified Excavation	Cubic Yard	5,200	\$ 18	\$ 93,600
P-154b	Subbase Course	Ton	7,500	\$ 30	\$ 225,000
P-209b	Crushed Aggregate Base Course	Ton	1,900	\$ 40	\$ 76,000
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	1,400	\$ 130	\$ 182,000
P-401c	Asphalt Cement, PG 52-28	Ton	70	\$ 450	\$ 31,500
P-620	Painted Markings	Total	All Required	\$ 3,630	\$ 3,630
P-620	Painted Marking Removal	Total	All Required	\$ 3,000	\$ 3,000
T-901	Seeding (1 ac min charge)	AC	0.10	\$ 3,000	\$ 3,000
				Total Base Bid (BB):	\$ 1,243,130
				Design Engineering (DE) at 8%	\$ 99,450
				Construction Engineering (CE) at 15%:	\$ 186,470
				Subtotal (BB + DE + CE):	\$ 1,529,050
				Contingency at 20%	\$ 248,626
				(ICAP) at 9.61%	\$ 146,942
				Project Total:	\$ 1,924,618
				Project Rounded Total:	\$ 1,930,000



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

Project 1b WORK AREA: 6

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-100	Mobilization and Demobilization	LS	All Required	\$ -	\$ -
G-135	Construction Surveying	LS	All Required	\$ -	\$ -
G-200	Contractor Quality Control Program	LS	All Required	\$ -	\$ -
G-700	CSPP Compliance	LS	All Required	\$ -	\$ -
L-125	Lighted Sign	Each	10	\$ 10,000	\$ 100,000
L-125	Runway Edge Light	Each	0	\$ 3,000	\$ -
L-125	Taxiway Edge Light	Each	70	\$ 1,500	\$ 105,000
L-125	Remove Runway or Taxiway Fixture	Each	70	\$ 300	\$ 21,000
L-108 and L-110	Lighting Conductors, etc. (150% of fixture cost)	Total	All Required	\$ 339,000	\$ 339,000
P-162a	Pavement Removal	Square Yard	40,000	\$ 4	\$ 160,000
P-152a	Unclassified Excavation	Cubic Yard	1,900	\$ 18	\$ 34,200
P-154b	Subbase Course	Ton	0	\$ 30	\$ -
P-209b	Crushed Aggregate Base Course	Ton	10,900	\$ 40	\$ 436,000
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	7,600	\$ 130	\$ 988,000
P-401c	Asphalt Cement, PG 52-28	Ton	410	\$ 450	\$ 184,500
P-620	Painted Markings	Total	All Required	\$ 24,300	\$ 24,300
P-620	Painted Marking Removal	Total	All Required	\$ -	\$ -
T-901	Seeding (1 ac min charge)	AC	2.07	\$ 3,000	\$ 6,199
Total Base Bid (BB):					\$ 2,398,199
Design Engineering (DE) at 8%					\$ 191,856
Construction Engineering (CE) at 15%:					\$ 359,730
Subtotal (BB + DE + CE):					\$ 2,949,785
Contingency at 20%					\$ 479,640
(ICAP) at 9.61%					\$ 283,474
Project Total:					\$ 3,712,899
Project Rounded Total:					\$ 3,720,000



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

Project 1b WORK AREA: 7

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-100	Mobilization and Demobilization	LS	All Required	\$ -	\$ -
G-135	Construction Surveying	LS	All Required	\$ -	\$ -
G-200	Contractor Quality Control Program	LS	All Required	\$ -	\$ -
G-700	CSPP Compliance	LS	All Required	\$ -	\$ -
L-125	Lighted Sign	Each	2	\$ 10,000	\$ 20,000
L-125	Runway Edge Light	Each	0	\$ 3,000	\$ -
L-125	Taxiway Edge Light	Each	8	\$ 1,500	\$ 12,000
L-125	Remove Runway or Taxiway Fixture	Each	7	\$ 300	\$ 2,100
L-108 and L-110	Lighting Conductors, etc. (150% of fixture cost)	Total	All Required	\$ 52,000	\$ 52,000
P-162a	Pavement Removal	Square Yard	0	\$ 4	\$ -
P-152a	Unclassified Excavation	Cubic Yard	3,100	\$ 18	\$ 55,800
P-154b	Subbase Course	Ton	4,300	\$ 30	\$ 129,000
P-209b	Crushed Aggregate Base Course	Ton	1,100	\$ 40	\$ 44,000
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	800	\$ 130	\$ 104,000
P-401c	Asphalt Cement, PG 52-28	Ton	40	\$ 450	\$ 18,000
P-620	Painted Markings	Total	All Required	\$ 1,080	\$ 1,080
P-620	Painted Marking Removal	Total	All Required	\$ 6,400	\$ 6,400
T-901	Seeding (1 ac min charge)	AC	0.10	\$ 3,000	\$ 300
Total Base Bid (BB):					\$ 444,680
Design Engineering (DE) at 8%					\$ 35,574
Construction Engineering (CE) at 15%:					\$ 66,702
Subtotal (BB + DE + CE):					\$ 546,956
Contingency at 20%					\$ 88,936
(ICAP) at 9.61%					\$ 52,563
Project Total:					\$ 688,455
Project Rounded Total:					\$ 690,000



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

PROJECT: 2 - Reconstruct/Reconfigure East Apron

DESCRIPTION: TWY C Shifted 150' of Ski Strip; Expanded Hangar Lease Area

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-	General Conditions 20%	Lump Sum	All Required	\$ 3,909,880	\$ 3,909,880
P-152a	Unclassified Excavation	Cubic Yard	59,700	\$ 18	\$ 1,074,600
P-154b	Subbase Course	Ton	79,400	\$ 30	\$ 2,382,000
P-209b	Crushed Aggregate Base Course	Ton	88,500	\$ 30	\$ 2,655,000
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	61,600	\$ 130	\$ 8,008,000
P-401c	Asphalt Cement, PG 52-28	Ton	3,270	\$ 450	\$ 1,471,500
---	Anchor Tie Downs	Each	239	\$ 1,000	\$ 239,000
---	Paint	Lump Sum	All Required	\$ 599,000	\$ 599,000
P-661a	Standard Sign	Square Foot	100	\$ 200	\$ 20,000
---	Electrical to tie downs	Lump Sum	All Required	\$ 2,500,000	\$ 2,500,000
---	Taxiway Lighting	Lump Sum	All Required	\$ 600,300	\$ 600,300
Total Base Bid (BB):					\$ 23,459,280
Design Engineering (DE) at 10%:					\$ 2,345,928
Construction Engineering (CE) at 15%:					\$ 3,518,892
Subtotal (BB + DE + CE):					\$ 29,324,100
Contingency at 20%					\$ 4,691,856
(ICAP) at 9.61%					\$ 2,818,046
Project Total:					\$ 36,834,002
Project Rounded Total:					\$ 36,900,000

ASSUMPTIONS

Reconstruct/Reconfigure East Apron, Provide Power to Tie Downs

- Resurface paved apron, dimensions vary.
- Resurface existing Taxiway D along apron and from apron to Floatpond Road
- Resurface existing Taxiway C along apron to Taxiway T connector.
- Shift Taxiway C approximately 200-ft west from Taxiway T connector to Taxiway W connector.
- Resurface connector Taxiways U, V, and W (including compass rose).
- Dedicate a parallel vehicle road approximately 32-feet east of Taxiway D.
- Expand Hangar Lease Area by approximately 830-ft. Leave existing pavement as-is.
- Provide power to the 230 tie-downs
- Add taxiway lighting along TWY C and connector TWY U, V, and W (including removal of existing)

	Length (FT)	Width (FT)
1. Unclassified Excavation		
Expanded apron and Taxiway C (between TW T and U)	585	230
Expanded apron and Taxiway C (between TW U and end of apron)	900	225
Taxiway C north of apron (including 15-ft shoulders)	1,920	65
Taxiway D north of existing apron (including road and 1x15' shoulder)	1,240	86
2. Subbase Course		
Expanded apron and Taxiway C (between TW T and U)	585	215
Expanded apron and Taxiway C (TW U and end of apron)	900	215
Taxiway C north of apron (including 15' shoulders)	1,920	65
Taxiway D north of existing apron (including road and 1x15' shoulder)	1,240	86
3. Crushed Aggregate Base Course		
Taxiway C south of apron (including 15' shoulders)	75	65
Apron, Taxiway C & D, and road	2,120	420
Expanded apron, Taxiway C & D, and road	1,760	635
Taxiway C north of apron (including 15' shoulders)	1,920	65
Taxiway D north of existing apron (including road and 1x15' shoulder)	1,920	126
Taxiway T, east side (meet existing on west side)	230	25
Taxiway U (to Ski Strip, east side, 10' shoulders)	100	25
Taxiway V (to Ski Strip, east side, 10' shoulders)	100	25
Taxiway W (TW D to Ski Strip, east side, 10' shoulders)	690	25
Taxiway W compass road (same as existing)	240	200
4. Hot Mix Asphalt, Type II, Class A		
Taxiway C south of apron (including 15' shoulders)	75	65
Apron, Taxiway C & D, and road	2,120	420
Expanded apron, Taxiway C & D, and road	1,760	635
Taxiway C north of apron (including 15' shoulders)	1,920	65
Taxiway D north of existing apron (including road and 1x15' shoulder)	1,920	126
Taxiway T, east side (meet existing on west side)	230	25
Taxiway U (to Ski Strip, east side, 10' shoulders)	100	25
Taxiway V (to Ski Strip, east side, 10' shoulders)	100	25
Taxiway W (TW C to Ski Strip, east side, 10' shoulders)	300	25
Taxiway W compass road (same as existing)	240	200

3. Estimating Factor:

- Subbase Course (P-154b) = 144 lb/cf
- Crushed Aggregate Base Course (P-209b) = 144 lb/cf
- Hot Mix Asphalt Type II, Class A (P-401a) = 151 lb/cf
- 5.3% for Asphalt Cement, PG 52-28 (P-401c)

4. General Conditions

- (G-items in DOT&PF airport project specifications):
- 10% Mobilization / Demobilization
- 10% Various Contractor Furnished Services



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

PROJECT: 3 - Floatpond Dredging, Slip Expansion, Floatplane Ramp, and Taxilane Feasibility

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
---	Feasibility Study	Lump Sum	All Required	\$ 500,000	\$ 500,000
Project Rounded Total:					\$ 500,000

ASSUMPTIONS

Floatpond Dredging and Slip Expansion Feasibility

Includes bathymetric survey, materials investigation, environmental overview, engineering study of slip expansion feasibility, dredging, floatplane ramp, and conversion of Floatpond Road to taxilane



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

PROJECT: 4 - Resurface/Realign University Avenue and Provide Pedestrian Pathway (FHWA)

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-	General Conditions 20%	Lump Sum	All Required	\$ 1,624,840	\$ 1,624,840
P-151c	Clearing & Grubbing	Acre	6	\$ 10,000	\$ 60,000
P-162a	Pavement Removal	Square Yard	77,000	\$ 5	\$ 385,000
P-152a	Unclassified Excavation	Cubic Yard	19,900	\$ 18	\$ 358,200
P-154b	Subbase Course	Ton	29,000	\$ 30	\$ 870,000
P-209b	Crushed Aggregate Base Course	Ton	19000	\$ 30	\$ 570,000
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	20,000	\$ 130	\$ 2,600,000
P-401c	Asphalt Cement, PG 52-28	Ton	1,060	\$ 450	\$ 477,000
---	Paint	Lump Sum	All Required	\$ 455,000	\$ 455,000
F-162a	8' Chain-Link Fence	Linear Foot	3,500	\$ 50	\$ 175,000
---	Manual Vehicle Gate	Each	2	\$ 2,000	\$ 4,000
P-661a	Standard Sign	Square Foot	250	\$ 200	\$ 50,000
---	Flashing Pedestrian Crosswalk	Each	3	\$ 30,000	\$ 90,000
---	Relocate Railroad	Lump Sum	All Required	\$ 1,495,000	\$ 1,495,000
---	Active At-Grade Rail Crossing	Each	1	\$ 45,000	\$ 45,000
---	Relocate Powerline	Lump Sum	All Required	\$ 490,000	\$ 490,000
Total Base Bid (BB):					\$ 9,749,040
Design Engineering (DE) at 10%:					\$ 974,904
Construction Engineering (CE) at 15%:					\$ 1,462,356
Subtotal (BB + DE + CE):					\$ 12,186,300
Contingency at 20%:					\$ 1,949,808
(ICAP) at 7.64%:					\$ 931,033
Project Total:					\$ 15,067,141
Project Rounded Total:					\$ 15,100,000

ASSUMPTIONS

Resurface University Avenue and provide an 8-foot Multi-use Pathway on east side of road
 Resurface existing roadway from East Ramp entrance to West Ramp terminal (~4.6 miles)
 Realign University Ave. and the rail to create new lease lots.
 Include at least 3 crosswalks with flashing beacons across University Ave.
 Assumed 65-ft wide clearing/grubbing for realigned road
 Include at least 3 bus stop pullouts (12-ft wide x 120-ft long).

1. Dimensions:	Length (FT)	Width (FT)	Area (SF)
Total Roadway	24,600	28	688,800
Pathway	24,600	8	196,800
Realigned Portion of Roadway	3,500	28	98,000
Bus Pullouts	120	12	1,440
Realigned Rail	3,500		
Relocated Powerline	3,500		

1. Unclassified Excavation	Depth (IN)	Area (SF)	Volume (CF)
Pathway	16	196,800	262,400
Realigned Roadway	32	98,000	261,333
3 Bus Pullouts	32	4320	11,520

2. Subbase Course	Depth (IN)	Area (SF)	Volume (CF)
Pathway	12	196,800	196,800
Realigned Roadway	24	98,000	196,000
3 Bus Pullouts	24	4320	8,640

3. Crushed Aggregate Base Course	Depth (IN)	Area (SF)	Volume (CF)
Pathway	2	196,800	32,800
Total Roadway	4	688,800	229,600
3 Bus Pullouts	4	4320	1,440

4. Hot Mix Asphalt, Type II, Class A	Depth (IN)	Area (SF)	Volume (CF)
Pathway	2	196,800	32,800
Total Roadway	4	688,800	229,600
3 Bus Pullouts	4	4320	1,440

5. Estimating Factor:
 Subbase Course (P-154b) = 144 lb/cf
 Crushed Aggregate Base Course (P-209b) = 144 lb/cf
 HMA, Type II, Class A (P-401a) = 2.039 151/cf
 5.3% for Asphalt Cement, PG 52-28 (P-401c)
 Clearing and Grubbing = 43560 sf/acre

6. General Conditions
 (G-items in DOT&PF airport project specifications):
 10% Mobilization / Demobilization
 10% Various Contractor Furnished Services



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

PROJECT: 5 - Expand Public Parking; Provide Electrical Service, Add Fencing/Signs East of South University Avenue

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-	General Conditions 20%	Lump Sum	All Required	\$ 178,240	\$ 178,240
P-151c	Clearing & Grubbing	Acre	1	\$ 10,000	\$ 10,000
P-152a	Unclassified Excavation	Cubic Yard	3,150	\$ 18	\$ 56,700
P-154b	Subbase Course	Ton	4,900	\$ 30	\$ 147,000
P-208c	Crushed Aggregate Surface Course	Ton	1,650	\$ 40	\$ 66,000
F-162a	8' Chain-link fence	Linear Foot	9,850	\$ 50	\$ 492,500
F-161	Gate - Manual Vehicle	Each	5	\$ 2,000	\$ 10,000
P-661a	Standard Sign	Square Foot	100	\$ 200	\$ 20,000
---	Power to Parking Area	Lump Sum	All Required	\$ 89,000	\$ 89,000
Total Base Bid (BB):					\$ 1,069,440
Design Engineering (DE) at 10%:					\$ 106,944
Construction Engineering (CE) at 15%:					\$ 160,416
Subtotal (BB + DE + CE):					\$ 1,336,800
Contingency at 20%					\$ 213,888
(ICAP) at 9.61%					\$ 128,466
Project Total:					\$ 1,679,154
Project Rounded Total:					\$ 1,700,000

ASSUMPTIONS

Expand Public Parking; Provide Electrical Service, Add Fencing/Signs East of South University Avenue
 Expand parking lot by approximately 250 feet by 135 feet. Include dressing up existing.
 Provide power to parking lot expansion
 Construct 9,900 feet of fence
 Construct 5 Gates

ASSUMPTIONS (CONT'D)

1. Dimensions:	<u>Length (ft.)</u>	<u>Width (ft.)</u>	
Gravel Parking Lot	135	250	
2. Expanded Parking Lot Structural Section:	<u>Depth (in)</u>	<u>Area (SF)</u>	<u>Volume (CF)</u>
Unclassified Excavation	30	33,750	84,375
Subbase Course	24	33,750	67,500
Crushed Aggregate Surface Course	6	33,750	16,875
3. Existing Parking Lot Structural Section:	<u>Depth (in)</u>	<u>Area (SF)</u>	<u>Volume (CF)</u>
Crushed Aggregate Surface Course	2	33,750	5,625
4. Estimating Factor:			
Subbase Course (P-154b) = 144 lb/cf			
Crushed Aggregate Surface Course (P-208c) = 144 lb/cf			
5. General Conditions			
(G-items in DOT&PF airport project specifications):			
10% Mobilization / Demobilization			
10% Various Contractor Furnished Services			



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

PROJECT: 6 - Continuous Fencing and Gates Along Lease Lots (fence and gate locations to be determined with tenants)

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-	General Conditions 20%	Lump Sum	All Required	\$ 279,600	\$ 279,600
F-162a	8' Chain-Link Fence	Linear Foot	8,500	\$ 50	\$ 425,000
F-161	Gate - Powered Vehicle	Each	11	\$ 60,000	\$ 660,000
F-161	Gate - Lease lot	Each	40	\$ 2,000	\$ 80,000
---	20% Contingency	Contingent Sum	All Required	\$ 233,000	\$ 233,000
Total Base Bid (BB):					\$ 1,677,600
Design Engineering (DE) at 10%:					\$ 167,760
Construction Engineering (CE) at 15%:					\$ 251,640
Subtotal (BB + DE + CE):					\$ 2,097,000
Contingency at 20%:					\$ 335,520
(ICAP) at 9.61%:					\$ 201,522
Project Total:					\$ 2,634,042
Project Rounded Total:					\$ 2,700,000

ASSUMPTIONS

Continuous Fencing and Gates - Along Lease Lots (fence and gate locations to be determined)

Construct approximately 8,500 feet of fence

Construct 10 gates across roadways + 1 at north side of Floatpond Road

Construct 40 gates across lease lots

General Conditions

(G-items in DOT&PF airport project specifications):

10% Mobilization / Demobilization

10% Various Contractor Furnished Services



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

PROJECT: 7 - Slip Expansion Phase 1, Relocate Power, Floatplane Ramp, and Floatpond Taxilane Development.

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-	General Conditions 20%	Lump Sum	All Required	\$ 2,135,850	\$ 2,135,850
P-151c	Clearing & Grubbing	Acre	10	\$ 10,000	\$ 100,000
P-162a	Pavement Removal	Square Yard	23,600	\$ 5.00	\$ 118,000
P-152a	Unclassified Excavation	Cubic Yard	24,600	\$ 18.00	\$ 442,800
P-154b	Subbase Course	Ton	33,700	\$ 30.00	\$ 1,011,000
P-209b	Crushed Aggregate Base Course	Ton	12900	\$ 30.00	\$ 387,000
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	10,300	\$ 130	\$ 1,339,000
P-401c	Asphalt Cement, PG 52-28	Ton	541	\$ 450	\$ 243,450
---	Extend Power	Lump Sum	All Required	\$ 700,000	\$ 700,000
	Taxiway Lighting	Lump Sum	All Required	\$ 528,000	\$ 528,000
---	Construct Floatpond Finger	Each	2	\$ 2,100,000	\$ 4,200,000
---	Construct Slips	Each	20	\$ 35,500	\$ 710,000
---	Float Plane Ramp	Each	1	\$ 500,000	\$ 500,000
---	Paint	Lump Sum	All Required	\$ 380,000	\$ 380,000
---	Standard Sign	Square Foot	100	\$ 200	\$ 20,000
Total Base Bid (BB):					\$ 12,815,100
Design Engineering (DE) at 10%:					\$ 1,281,510
Construction Engineering (CE) at 15%:					\$ 1,922,265
Subtotal (BB + DE + CE):					\$ 16,018,875
Contingency at 20%:					\$ 2,563,020
(ICAP) at 9.61%:					\$ 1,539,414
Project Total:					\$ 20,121,309
Project Rounded Total:					\$ 20,200,000

ASSUMPTIONS

Slip Expansion Phase 1, Floatplane Ramp, and Float Pond Taxilane Development

- Repave existing Floatplane Road
- Construct a paved parallel taxilane 150-ft from Ski Strip, including taxiway lighting
- Construct two floatpond fingers to increase slips (20 new slips)
- Extend power to new fingers and slips north of the fingers (approximately 3,500 ft)
- Construct new concrete floatplane ramp
- Resurface connector taxiways T, U, V, & W on the west side of the Ski Strip (+ upgrade lighting).

1. Dimensions:	Length (FT)	Width (FT)	Area (SF)
Floatpond Road	5,200	28	145,600
Taxilane	5,200	45	234,000
Taxiway T	165	25	4,125
Taxiway U	235	25	5,875
Taxiway V	230	25	5,750
Taxiway W	230	25	5,750

2. Unclassified Excavation	Depth (IN)	Area (SF)	Volume (CF)
Relocated Taxilane	34	234,000	663,000

3. Subbase Course			
Relocated Taxilane	24	234,000	468,000

4. Crushed Aggregate Base Course			
Floatplane Road	4	145,600	48,533
Relocated Taxilane	6	234,000	117,000
TW T (+20% for fillets) (west side)	6	4,950	2,475
TW U (+20% for fillets) (west side)	6	7,050	3,525
TW V (+20% for fillets) (west side)	6	6,900	3,450
TW W (+20% for fillets) (west side)	6	6,900	3,450

5. Hot Mix Asphalt, Type II, Class A			
Floatplane Road	4	145,600	48,533
Relocated Taxilane	4	234,000	78,000
TW T (+20% for fillets) (west side)	4	4,950	1,650
TW U (+20% for fillets) (west side)	4	7,050	2,350
TW V (+20% for fillets) (west side)	4	6,900	2,300
TW W (+20% for fillets) (west side)	4	6,900	2,300

6. Estimating Factor:
- Subbase Course (P-154b) = 144 lb/cf
 - Crushed Aggregate Surface Course (P-208c) = 144 lb/cf
 - HMA, Type II, Class A (P-401a) = 151 lb/cf
 - 5.3% for Asphalt Cement, PG 52-28 (P-401c)
 - Clearing and Grubbing = 43560 sf/acre

7. General Conditions
- (G-items in DOT&PF airport project specifications):
- 10% Mobilization / Demobilization
 - 10% Various Contractor Furnished Services



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

PROJECT: 8 - Extend Taxiways C and Power and Relocate Floatpond Road for Lease Lot Expansion

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-	General Conditions 20%	Lump Sum	All Required	\$ 781,570	\$ 781,570
P-162a	Pavement Removal	Square Yard	8,400	\$ 5.00	\$ 42,000
P-151c	Clearing & Grubbing	Acre	10	\$ 10,000	\$ 100,000
P-152a	Unclassified Excavation	Cubic Yard	26,500	\$ 18.00	\$ 477,000
P-154b	Subbase Course	Ton	35,900	\$ 30.00	\$ 1,077,000
P-209b	Crushed Aggregate Base Course	Ton	7650	\$ 30.00	\$ 229,500
P-208c	Crushed Aggregate Surface Course	Ton	2,650	\$ 40.00	\$ 106,000
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	6,300	\$ 130	\$ 819,000
P-401c	Asphalt Cement, PG 52-28	Ton	333	\$ 450	\$ 149,850
F-162a	8' Chain-link Fence	Linear Foot	2,000	\$ 50.00	\$ 100,000
---	Guardrail	Linear Foot	1,250	\$ 30.00	\$ 37,500
---	Extend Taxiway Lighting	Lump Sum	All Required	\$ 168,000	\$ 168,000
---	Relocate Power	Lump Sum	All Required	\$ 370,000	\$ 370,000
---	Paint	Lump Sum	All Required	\$ 212,000	\$ 212,000
P-661a	Standard Sign	Square Foot	100	\$ 200	\$ 20,000
Total Base Bid (BB):					\$ 4,689,420
Design Engineering (DE) at 15%:					\$ 703,413
Construction Engineering (CE) at 15%:					\$ 703,413
Subtotal (BB + DE + CE):					\$ 6,096,246
Contingency at 20%					\$ 937,884
(ICAP) at 9.61%					\$ 585,849
Project Total:					\$ 7,619,979
Project Rounded Total:					\$ 7,700,000

ASSUMPTIONS

Extend Taxiway C and Power and Relocate Floatpond Road for Lease Lot Expansion

Extend Taxiway C approximately 2,600 feet by 45 feet (25' TW), PHASE 1

Extend Taxiway C to campground and resurface campground taxiway

Extend Floatpond Rd from University Ave. pullout to lease lots (approximately 4,000' by 28')

Extend lighting along Taxiway C extension (only one light along lease lots)

Provide power along Taxiway C expansion

1. Dimensions:

	Length (ft.)	Width (ft.)	Area (SF)
Floatplane Rd. Extension	4,000	28	112,000
Taxiway C Extension, TW W to Lease Lots	2,600	45	117,000
Taxiway C into Campground (Paved)	450	45	20,250
Taxiway C into Campground (Gravel)	1,200	45	54,000

2. Unclassified Excavation

	Depth (IN)	Area (SF)	Volume (CF)
Floatpond Road Extension	32	112,000	298,667
Taxiway C, TW W to Lease Lots	34	117,000	331,500
Taxiway C into Campground (Paved)	34	20,250	57,375
Taxiway C into Campground (Gravel)	6	54,000	27,000

3. Subbase Course

Floatpond Road Extension	24	112,000	224,000
Taxiway C, TW W to Lease Lots	24	117,000	234,000
Taxiway C into Campground (Paved)	24	20,250	40,500

4. Crushed Aggregate Base Course

Floatpond Road Extension	4	112,000	37,333
Taxiway C, TW W to Lease Lots	6	117,000	58,500
Taxiway C into Campground (Paved)	6	20,250	10,125

5. Hot Mix Asphalt, Type II, Class A

Floatpond Road Extension	4	112,000	37,333
Taxiway C, TW W to Lease Lots	4	117,000	39,000
Taxiway C into Campground (Paved)	4	20,250	6,750

5. Estimating Factor:

Subbase Course (P-154b) = 144 lb/cf

Crushed Aggregate Base Course (P-209b) = 144 lb/cf

HMA, Type II, Class A (P-401a) = 151 lb/cf

5.3% for Asphalt Cement, PG 52-28 (P-401c)

Clearing and Grubbing = 43560 sf/acre

6. General Conditions

(G-items in DOT&PF airport project specifications):

10% Mobilization / Demobilization

10% Various Contractor Furnished Services



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

PROJECT: 9 - Extend Taxiway D, Extend Power, and Relocate Floatpond Road for Lease Lot Expansion

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-xxx	General Conditions 20%	Lump Sum	All Required	\$ 573,320	\$ 573,320
P-162a	Pavement Removal	Square Yard	4,550	\$ 5	\$ 22,750
P-151c	Clearing & Grubbing	Acre	8	\$ 10,000	\$ 80,000
P-152a	Unclassified Excavation	Cubic Yard	18,400	\$ 18	\$ 331,200
P-154b	Subbase Course	Ton	25,600	\$ 30	\$ 768,000
P-209b	Crushed Aggregate Base Course	Ton	5900	\$ 30	\$ 177,000
P-401a	Hot Mix Asphalt, Type II; Class A	Ton	4,500	\$ 130	\$ 585,000
P-401c	Asphalt Cement, PG 52-28	Ton	237	\$ 450	\$ 106,650
F-162a	8' Chain-link Fence	Linear Foot	1,600	\$ 50	\$ 80,000
---	Guardrail	Linear Foot	1,500	\$ 30	\$ 45,000
---	Extend Taxiway Lighting	Lump Sum	All Required	\$ 65,000	\$ 65,000
---	Relocate Power	Lump Sum	All Required	\$ 414,000	\$ 414,000
---	Paint	Lump Sum	All Required	\$ 172,000	\$ 172,000
P-661a	Standard Sign	Square Foot	100	\$ 200	\$ 20,000
Total Base Bid (BB):					\$ 3,439,920
Design Engineering (DE) at 10%:					\$ 343,992
Construction Engineering (CE) at 15%:					\$ 515,988
Subtotal (BB + DE + CE):					\$ 4,299,900
Contingency at 20%:					\$ 687,984
(ICAP) at 9.61%:					\$ 413,220
Project Total:					\$ 5,401,104
Project Rounded Total:					\$ 5,500,000

ASSUMPTIONS

Extend Taxiways C and D, Extend Power, and Relocate Floatpond Road for Lease Lot Expansion

- Extend Taxiway D approximately 1,500 feet by 45 feet
- Extend Taxiway C approximately 1,450 feet by 45 feet
- Extend Floatpond Rd approximately 1,600 feet by 28 feet
- Extend lighting along Taxiway C (1,450'), one side only
- Provide power along Taxiway C (1,450') and D (1,500') expansion

1. Dimensions:	<u>Length (ft.)</u>	<u>Width (ft.)</u>	<u>Area (SF)</u>
Taxiway C	1,450	45	65,250
Taxiway D (extension)	1,500	45	67,500
Floatpond Road	1,600	28	44,800
2. Unclassified Excavation	<u>Depth (IN)</u>	<u>Area (SF)</u>	<u>Volume (CF)</u>
Taxiway C	34	65,250	184,875
Taxiway D	34	67,500	191,250
Floatpond Road	32	44,800	119,467
3. Subbase Course			
Taxiway C	24	65,250	130,500
Taxiway D	24	67,500	135,000
Floatpond Road	24	44,800	89,600
4. Crushed Aggregate Base Course			
Taxiway C	6	65,250	32,625
Taxiway D	6	67,500	33,750
Floatpond Road	4	44,800	14,933
5. Hot Mix Asphalt, Type II, Class A			
Taxiway C	4	65,250	21,750
Taxiway D	4	67,500	22,500
Floatpond Road	4	44,800	14,933
6. Estimating Factor:			
Subbase Course (P-154b) = 144 lb/cf			
Crushed Aggregate Base Course (P-209b) = 144 lb/cf			
HMA, Type II, Class A (P-401a) = 151 lb/cf			
5.3% for Asphalt Cement, PG 52-28 (P-401c)			
Clearing and Grubbing = 43560 sf/acre			
7. General Conditions			
(G-items in DOT&PF airport project specifications):			
10% Mobilization / Demobilization			
10% Various Contractor Furnished Services			



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

PROJECT: 10 - Slip Expansion and Power Phase 2

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-	General Conditions 20%	Lump Sum	All Required	\$ 669,800	\$ 669,800
---	Construct Floatpond Finger	Each	1	\$ 2,100,000	\$ 2,100,000
---	Construct Slips	Each	10	\$ 35,500	\$ 355,000
---	Extend Power	Lump Sum	All Required	\$ 894,000	\$ 894,000
Total Base Bid (BB):					\$ 4,018,800
Design Engineering (DE) at 10%:					\$ 401,880
Construction Engineering (CE) at 15%:					\$ 602,820
Subtotal (BB + DE + CE):					\$ 5,023,500
Contingency at 20%:					\$ 803,760
(ICAP) at 9.61%:					\$ 482,758
Project Total:					\$ 6,310,018
Project Rounded Total:					\$ 6,400,000

ASSUMPTIONS

Slip Expansion and Power Phase 2

- Construct a new floatplane finger with approximately 10 slips
- Extend power to new finger and slips south of the finger (3,200' + 5*250')

General Conditions

- (G-items in DOT&PF airport project specifications):
- 10% Mobilization / Demobilization
- 10% Various Contractor Furnished Services



ENGINEER'S ESTIMATE

Fairbanks International Airport, Eastside Master Plan - CIP Projects

PROJECT: 11 - Resurface Ski Strip

Item No.	Pay Item	Pay Unit	Quantity	Unit Price	Amount
===== BASIC BID =====					
G-	General Conditions 20%	Lump Sum	All Required	\$ 162,680	\$ 162,680
P-152a	Unclassified Excavation	Cubic Yard	4,300	\$ 18	\$ 77,400
P-208c	Crushed Aggregate Surface Course	Ton	8,400	\$ 40	\$ 336,000
P-167a	Dust Palliative	Lump Sum	All Required	\$ 400,000	\$ 400,000
Total Base Bid (BB):					\$ 976,080
Design Engineering (DE) at 10%:					\$ 97,608
Construction Engineering (CE) at 15%:					\$ 146,412
Subtotal (BB + DE + CE):					\$ 1,220,100
Contingency at 20%:					\$ 195,216
(ICAP) at 9.61%:					\$ 117,252
Project Total:					\$ 1,532,568
Project Rounded Total:					\$ 1,600,000

ASSUMPTIONS

Resurface Ski Strip

Resurface existing gravel runway 2,900 feet by 60 feet + 10-foot shoulders.
Assume construction will excavate and replace 9" of surface course

1. Dimensions:	Length (ft.)	Width (ft.)	Area (SF)
Gravel Runway	2,900	80	232,000

2. Apron Structural Section:	Depth (IN)	Area (SF)	Volume (CF)
Unclassified Excavation	6	232,000	116,000
Crushed Aggregate Surface Course	6	232,000	116,000

3. Estimating Factor:
Crushed Aggregate Surface Course (P-208c) = 144 lb/cf

4. General Conditions
(G-items in DOT&PF airport project specifications):
10% Mobilization / Demobilization
10% Various Contractor Furnished Services

Prepared for:

Fairbanks International Airport



Prepared by:

DOWL



With a Grant from:

Federal Aviation Administration

