APPENDIX A: COST ESTIMATE

Engineer's Quantity Calculations

for



State of Alaska Department of Transportation & Public Facilities Central Region

Construction Project:

Scammon Bay Airport Feasibility Study

AIP No. 3-02-0255-005-2023

Project No. CFAPT01005

Prepared by:



 ${\sf ARCHITECTURE} \cdot {\sf ENGINEERING} \cdot {\sf LAND} \; {\sf SURVEYING} \cdot {\sf PLANNING}$

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Prepared by:



 $\mathsf{ARCHITECTURE} \cdot \mathsf{ENGINEERING} \cdot \mathsf{LAND} \; \mathsf{SURVEYING} \cdot \mathsf{PLANNING}$

Cost Summary

Alternative	Construction Cost Estimate	Local or Barged Material	Notes
Raise and Shift Existing Airport 340' East	\$75,659,173		
Raise and Shift Existing Airport 340' East	\$130,448,802	Barged	
Relocate Airport South to Ridgeline	\$59,398,368	Local	
Relocate Airport South to Ridgeline	\$109,266,097	Barged	
Relocate Airport to Castle Hill Location	\$66,714,222	Local	
Relocate Airport to Castle Hill Location	\$126,997,027	Barged	
Relocate Airport East to Near	\$94,588,701	Local	
Relocate Airport East to Near	\$182,828,676	Barged	

Appendix A-3 4/25/2024



Project Name: Project Number: CFAPT01005

Item No	BAY AIRPORT RELOCATION: Raise & Shift (Local Materia Pay Item	Pay Unit	Quantity	Unit Price	Amount
	Land Purchase	Acre	14	\$1,000	\$14,00
D701.010.0072	CS Pipe, 72-inch	LF	300	\$1,200	\$360,00
G100.010.0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$3,500,000	\$3,500,00
G115.010.0000	Worker Meals and Lodging, or Per Diem	LS	ALL REQUIRED	\$1,500,000	\$1,500,00
G130.010.0000	Field Office	LS	ALL REQUIRED	\$60,000	\$60,00
G130.020.0000	Field Laboratory	LS	ALL REQUIRED	\$30,000	\$30,00
G130.060.0000	Nuclear Testing Equipment Storage Shed	EACH	1	\$20,000	\$20,00
G130.090.0000	Engineering Communications	cs	ALL REQUIRED	\$10,000	\$10,00
G131.010.0000	Engineering Transportation (Truck)	EACH	4	\$50,000	\$200,00
G131.020.0000	Engineering Transportation (ATV)	EACH	1	\$15,000	\$15,00
G135.010.0000	Construction Surveying by the Contractor	LS	ALL REQUIRED	\$200,000	\$200,00
L100.010.0000	Airport Lighting	LS	ALL REQUIRED	\$1,500,000	\$1,500,00
L132.010.0010	Install Approach Lighting Aids, PAPI	LS	ALL REQUIRED	\$500,000	\$500,00
P152.010.0000	Unclassified Excavation	CY	15,440	\$20	\$308,80
P152.190.0000	Borrow	CY	161,330	\$40	\$6,453,18
P154.010.0000	Subbase Course	CY	51,215	\$75	\$3,841,11
P167.020.0000	Dust Palliative	LS	ALL REQUIRED	\$250,000	\$250,00
P185.010.0000	Primary Armor Stone, Class I	TON	61,353	\$186	\$11,411,57
P185.090.0000	Underlayer Stone, Class I	TON	53,731	\$164	\$8,811,91
P299.020.0000	Crushed Aggregate Surface Course	TON	38,515	\$70	\$2,696,03
P640.020.0000	Segmented Circle (Panel-Type)	LS	ALL REQUIRED	\$50,000	\$50,00
P641.010.0000	Erosion, Sediment, and Pollution Control Administration	LS	ALL REQUIRED	\$50,000	\$50,00
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$300,000	\$300,00
P641.040.0000	Temporary Erosion, Sediment, and Pollution Control Additives	cs	ALL REQUIRED	\$200,000	\$200,00
P641.070.0000	SWPPP Manager	LS	ALL REQUIRED	\$150,000	\$150,00
P681.010.0000	Geotextile, Separation	SY	60,336	\$4	\$241,34
S142.040.0000	Equipment Storage Building	LS	ALL REQUIRED	\$4,000,000	\$4,000,00
U400.0X0.00X0	Utility Extensions	LS	ALL REQUIRED	\$237,000	\$237,00
				Subtotal:	\$46,909,96
	DESIGN CONTINGENCY		Design Contingency	25.00%	\$11,727,49
			V ,	Subtotal:	\$58,637,46
			Construction Engineering	22%	\$12,900,24
			ICAP	7.03%	\$4,122,21
			•	<u>Total</u>	\$75,659,91

7/11/2024



Project Name: Project Number: CFAPT01005

SCAMMON BAY AIRPORT RELOCATION: Raise & Shift (Barged Material)			AIP 3-02-0255-0	05-2023	
Item No	Pay Item	Pay Unit	Quantity	Unit Price	Amount
	Land Purchase	Acre	14	\$1,000	\$14,000
G100.010.0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$3,500,000	\$3,500,000
G115.010.0000	Worker Meals and Lodging, or Per Diem	LS	ALL REQUIRED	\$1,500,000	\$1,500,000
G130.010.0000	Field Office	LS	ALL REQUIRED	\$60,000	\$60,000
G130.020.0000	Field Laboratory	LS	ALL REQUIRED	\$30,000	\$30,000
G130.060.0000	Nuclear Testing Equipment Storage Shed	EACH	1	\$20,000	\$20,000
G130.090.0000	Engineering Communications	cs	ALL REQUIRED	\$10,000	\$10,000
G131.010.0000	Engineering Transportation (Truck)	EACH	4	\$50,000	\$200,000
G131.020.0000	Engineering Transportation (ATV)	EACH	1	\$15,000	\$15,000
G135.010.0000	Construction Surveying by the Contractor	LS	ALL REQUIRED	\$200,000	\$200,000
L100.010.0000	Airport Lighting	LS	ALL REQUIRED	\$1,500,000	\$1,500,000
L132.010.0010	Install Approach Lighting Aids, PAPI	LS	ALL REQUIRED	\$500,000	\$500,000
P152.010.0000	Unclassified Excavation	CY	15,440	\$20	\$308,800
P152.190.0000	Borrow	CY	161,330	\$133	\$21,456,833
P154.010.0000	Subbase Course	CY	51,215	\$175	\$8,962,593
P167.020.0000	Dust Palliative	LS	ALL REQUIRED	\$250,000	\$250,000
P185.010.0000	Primary Armor Stone, Class I	TON	61,353	\$286	\$17,546,831
P185.090.0000	Underlayer Stone, Class I	TON	53,731	\$264	\$14,185,037
P299.020.0000	Crushed Aggregate Surface Course	TON	38,515	\$140	\$5,392,074
P640.020.0000	Segmented Circle (Panel-Type)	LS	ALL REQUIRED	\$50,000	\$50,000
P641.010.0000	Erosion, Sediment, and Pollution Control Administration	LS	ALL REQUIRED	\$50,000	\$50,000
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$300,000	\$300,000
P641.040.0000	Temporary Erosion, Sediment, and Pollution Control Additives	cs	ALL REQUIRED	\$200,000	\$200,000
P641.070.0000	SWPPP Manager	LS	ALL REQUIRED	\$150,000	\$150,000
P681.010.0000	Geotextile, Separation	SY	60,336	\$4	\$241,344
S142.040.0000	Equipment Storage Building	LS	ALL REQUIRED	\$4,000,000	\$4,000,000
U400.0X0.00X0	Utility Extensions	LS	ALL REQUIRED	\$237,000	\$237,000
				Subtotal:	\$80,879,512
	DESIGN CONTINGENCY		Design Contingency	25.00%	\$20,219,878
				Subtotal:	\$101,099,390
		•	Construction Engineering	22%	\$22,241,866
			ICAP	7.03%	\$7,107,287

7/11/2024

Total \$130,448,543



Project Name: Project Number: CFAPT01005

	SCAMMON BAY AIRPORT RELOCATION: Near (Local Material) AIP 3-02-0255-005-2023				
Item No	Pay Item Land Purchase	Pay Unit Acre	Quantity 5	Unit Price \$1,000	Amount \$5,000
G100 010 0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$3,500,000	\$3,500,000
	Worker Meals and Lodging, or Per Diem	LS	ALL REQUIRED	\$1,500,000	\$1,500,000
G130.010.0000		LS	ALL REQUIRED	\$60,000	\$60,000
	Field Laboratory	LS	ALL REQUIRED	\$30,000	\$30,000
	Nuclear Testing Equipment Storage Shed	EACH	1	\$20,000	\$20,000
	Engineering Communications	CS	ALL REQUIRED	\$10,000	\$10,000
	Engineering Transportation (Truck)	EACH	4	\$50,000	\$200,000
	, , ,				•
	Engineering Transportation (ATV)	EACH	1	\$15,000	\$15,000
G135.010.0000	Construction Surveying by the Contractor	LS	ALL REQUIRED	\$500,000	\$500,000
L100.010.0000	Airport Lighting	LS	ALL REQUIRED	\$1,500,000	\$1,500,000
L132.010.0010	Install Approach Lighting Aids, PAPI	LS	ALL REQUIRED	\$500,000	\$500,000
P152.010.0000	Unclassified Excavation	CY	40,306	\$20	\$806,111
P152.190.0000	Borrow	CY	370,691	\$40	\$14,827,644
P154.010.0000	Subbase Course	CY	58,313	\$75	\$4,373,472
P167.020.0000	Dust Palliative	LS	ALL REQUIRED	\$250,000	\$250,000
P185.010.0000	Primary Armor Stone, Class I	TON	61,353	\$186	\$11,411,575
P185.090.0000	Underlayer Stone, Class I	TON	53,731	\$164	\$8,811,917
P299.020.0000	Crushed Aggregate Surface Course	TON	41,369	\$70	\$2,895,796
P640.020.0000	Segmented Circle (Panel-Type)	LS	ALL REQUIRED	\$50,000	\$50,000
P641.010.0000	Erosion, Sediment, and Pollution Control Administration	LS	ALL REQUIRED	\$50,000	\$50,000
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$300,000	\$300,000
P641.040.0000	Temporary Erosion, Sediment, and Pollution Control Additives	cs	ALL REQUIRED	\$200,000	\$200,000
P641.070.0000	SWPPP Manager	LS	ALL REQUIRED	\$150,000	\$150,000
P681.010.0000	Geotextile, Separation	SY	210,251	\$4	\$841,005
S142.040.0000	Equipment Storage Building	LS	ALL REQUIRED	\$4,000,000	\$4,000,000
U400.0X0.00X0	UTILITY EXTENSIONS	LUMP SUM	ALL REQUIRED	\$1,838,500	\$1,838,500
				Subtotal:	\$58,646,021
	DESIGN CONTINGENCY		Design Contingency	25.00%	\$14,661,505
				Subtotal:	\$73,307,526
		-	Construction Engineering	22%	\$16,127,656
			ICAP	7.03%	\$5,153,519
			-		

<u>Total</u> \$94,588,701



Project Name: Project Number: CFAPT01005

SCAMMON BAY AIRPORT RELOCATION: Near (Local Material) Item No Pay Item	Pay Unit		P 3-02-0255-005-2023 Quantity Unit Price		
Land Purchase	Acre	5	\$1,000	Amount \$5,000	
G100.010.0000 Mobilization and Demobilization	LS	ALL REQUIRED	\$3,500,000	\$3,500,000	
G115.010.0000 Worker Meals and Lodging, or Per Diem	LS	ALL REQUIRED	\$1,500,000	\$1,500,000	
G130.010.0000 Field Office	LS	ALL REQUIRED	\$60,000	\$60,000	
G130.020.0000 Field Laboratory	LS	ALL REQUIRED	\$30,000	\$30,000	
G130.060.0000 Nuclear Testing Equipment Storage Shed	EACH	1	\$20,000	\$20,000	
G130.090.0000 Engineering Communications	cs	ALL REQUIRED	\$10,000	\$10,000	
G131.010.0000 Engineering Transportation (Truck)	EACH	4	\$50,000	\$200,000	
G131.020.0000 Engineering Transportation (ATV)	EACH	1	\$15,000	\$15,000	
G135.010.0000 Construction Surveying by the Contractor	LS	ALL REQUIRED	\$500,000	\$500,000	
L100.010.0000 Airport Lighting	LS	ALL REQUIRED	\$1,500,000	\$1,500,000	
L132.010.0010 Install Approach Lighting Aids, PAPI	LS	ALL REQUIRED	\$500,000	\$500,000	
P152.010.0000 Unclassified Excavation	CY	40,306	\$20	\$806,111	
P152.190.0000 Borrow	CY	370,691	\$133	\$49,301,918	
P154.010.0000 Subbase Course	CY	58,313	\$175	\$10,204,769	
P167.020.0000 Dust Palliative	LS	ALL REQUIRED	\$250,000	\$250,000	
P185.010.0000 Primary Armor Stone, Class I	TON	61,353	\$286	\$17,546,831	
P185.090.0000 Underlayer Stone, Class I	TON	53,731	\$264	\$14,185,037	
P299.020.0000 Crushed Aggregate Surface Course	TON	41,369	\$140	\$5,791,593	
P640.020.0000 Segmented Circle (Panel-Type)	LS	ALL REQUIRED	\$50,000	\$50,000	
P641.010.0000 Erosion, Sediment, and Pollution Control Administration	LS	ALL REQUIRED	\$50,000	\$50,000	
P641.030.0000 Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$300,000	\$300,000	
P641.040.0000 Temporary Erosion, Sediment, and Pollution Control Additives	cs	ALL REQUIRED	\$200,000	\$200,000	
P641.070.0000 SWPPP Manager	LS	ALL REQUIRED	\$150,000	\$150,000	
P681.010.0000 Geotextile, Separation	SY	210,251	\$4	\$841,005	
S142.040.0000 Equipment Storage Building	LS	ALL REQUIRED	\$4,000,000	\$4,000,000	
U400.0X0.00X0 UTILITY EXTENSIONS	LUMP SUM	ALL REQUIRED	\$1,838,500	\$1,838,500	
			Subtotal:	\$113,355,763	
DESIGN CONTINGENCY		Design Contingency	25.00%	\$28,338,941	
			Subtotal:	\$141,694,703	
		Construction Engineering	22%	\$31,172,835	
		ICAP	7.03%	\$9,961,138	
			Total	\$182,828,676	

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Project Name: Project Number: CFAPT01005

	BAY AIRPORT RELOCATION: Castle Hill (Local Material)				
Item No	Pay Item	Pay Unit	Quantity	Unit Price	Amount
	Land Purchase	Acre	23	\$1,000	\$23,000
G100.010.0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$3,500,000	\$3,500,000
G115.010.0000	Worker Meals and Lodging, or Per Diem	LS	ALL REQUIRED	\$1,500,000	\$1,500,000
G130.010.0000	Field Office	LS	ALL REQUIRED	\$60,000	\$60,000
G130.020.0000	Field Laboratory	LS	ALL REQUIRED	\$30,000	\$30,000
G130.060.0000	Nuclear Testing Equipment Storage Shed	EACH	1	\$20,000	\$20,000
G130.090.0000	Engineering Communications	cs	ALL REQUIRED	\$10,000	\$10,000
G131.010.0000	Engineering Transportation (Truck)	EACH	4	\$50,000	\$200,000
G131.020.0000	Engineering Transportation (ATV)	EACH	1	\$15,000	\$15,000
G135.010.0000	Construction Surveying by the Contractor	LS	ALL REQUIRED	\$500,000	\$500,000
L100.010.0000	Airport Lighting	LS	ALL REQUIRED	\$1,500,000	\$1,500,000
L132.010.0010	Install Approach Lighting Aids, PAPI	LS	ALL REQUIRED	\$500,000	\$500,000
P152.010.0000	Unclassified Excavation	CY	166,594	\$20	\$3,331,876
P152.190.0000	Borrow	CY	284,495	\$40	\$11,379,787
P154.010.0000	Subbase Course	CY	72,222	\$75	\$5,416,667
P167.020.0000	Dust Palliative	LS	ALL REQUIRED	\$250,000	\$250,000
P299.020.0000	Crushed Aggregate Surface Course	TON	52,797	\$70	\$3,695,767
P640.020.0000	Segmented Circle (Panel-Type)	LS	ALL REQUIRED	\$50,000	\$50,000
P641.010.0000	Erosion, Sediment, and Pollution Control Administration	LS	ALL REQUIRED	\$50,000	\$50,000
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$300,000	\$300,000
P641.040.0000	Temporary Erosion, Sediment, and Pollution Control Additives	cs	ALL REQUIRED	\$200,000	\$200,000
P641.070.0000	SWPPP Manager	LS	ALL REQUIRED	\$150,000	\$150,000
P681.010.0000	Geotextile, Separation	SY	251,111	\$4	\$1,004,445
S142.040.0000	Equipment Storage Building	LS	ALL REQUIRED	\$4,000,000	\$4,000,000
U400.0X0.00X0	UTILITY EXTENSIONS	LUMP SUM	ALL REQUIRED	\$3,677,000	\$3,677,000
				Subtotal:	<u>\$41,363,542</u>
	DESIGN CONTINGENCY		Design Contingency	25.00%	\$10,340,885
				Subtotal:	\$51,704,427
			Construction Engineering	22%	\$11,374,974
			ICAP	7.03%	\$3,634,821
			1	Total	\$66.714.222

Total \$66,714,222

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Project Name: Project Number: CFAPT01005

	BAY AIRPORT RELOCATION: Castle Hill (Barged Material		AIP 3-02-0255-0		Amount		
Item No	Pay Item	Pay Unit				Quantity Unit Price	
	Land Purchase	Acre	23	\$1,000	\$23,000		
G100.010.0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$3,500,000	\$3,500,000		
G115.010.0000	Worker Meals and Lodging, or Per Diem	LS	ALL REQUIRED	\$1,500,000	\$1,500,000		
G130.010.0000	Field Office	LS	ALL REQUIRED	\$60,000	\$60,000		
G130.020.0000	Field Laboratory	LS	ALL REQUIRED	\$30,000	\$30,000		
G130.060.0000	Nuclear Testing Equipment Storage Shed	EACH	1	\$20,000	\$20,000		
G130.090.0000	Engineering Communications	cs	ALL REQUIRED	\$10,000	\$10,000		
G131.010.0000	Engineering Transportation (Truck)	EACH	4	\$50,000	\$200,000		
G131.020.0000	Engineering Transportation (ATV)	EACH	1	\$15,000	\$15,000		
G135.010.0000	Construction Surveying by the Contractor	LS	ALL REQUIRED	\$500,000	\$500,000		
L100.010.0000	Airport Lighting	LS	ALL REQUIRED	\$1,500,000	\$1,500,000		
L132.010.0010	Install Approach Lighting Aids, PAPI	LS	ALL REQUIRED	\$500,000	\$500,000		
P152.010.0000	Unclassified Excavation	CY	166,594	\$20	\$3,331,876		
P152.190.0000	Borrow	CY	284,495	\$133	\$37,837,791		
P154.010.0000	Subbase Course	CY	72,222	\$175	\$12,638,889		
P167.020.0000	Dust Palliative	LS	ALL REQUIRED	\$250,000	\$250,000		
P299.020.0000	Crushed Aggregate Surface Course	TON	52,797	\$140	\$7,391,533		
P640.020.0000	Segmented Circle (Panel-Type)	LS	ALL REQUIRED	\$50,000	\$50,000		
P641.010.0000	Erosion, Sediment, and Pollution Control Administration	LS	ALL REQUIRED	\$50,000	\$50,000		
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$300,000	\$300,000		
P641.040.0000	Temporary Erosion, Sediment, and Pollution Control Additives	cs	ALL REQUIRED	\$200,000	\$200,000		
P641.070.0000	SWPPP Manager	LS	ALL REQUIRED	\$150,000	\$150,000		
P681.010.0000	Geotextile, Separation	SY	251,111	\$4	\$1,004,445		
S142.040.0000	Equipment Storage Building	LS	ALL REQUIRED	\$4,000,000	\$4,000,000		
U400.0X0.00X0	UTILITY EXTENSIONS	LUMP SUM	ALL REQUIRED	\$3,677,000	\$3,677,000		
				Subtotal:	\$78,739,535		
	DESIGN CONTINGENCY		Design Contingency	25.00%	\$19,684,884		
				Subtotal:	\$98,424,418		
			Construction Engineering	22%	\$21,653,372		
			ICAP	7.03%	\$6,919,237		
			!		\$126 997 027		

Total \$126,997,027

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Project Name: Project Number: CFAPT01005

	BAY AIRPORT RELOCATION: Ridgeline (Local Material)		005-2023	Amoust	
Item No	Pay Item	Pay Unit	Quantity	Unit Price	Amount
	Land Purchase	Acre	17	\$1,000	\$17,000
G100.010.0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$3,500,000	\$3,500,000
G115.010.0000	Worker Meals and Lodging, or Per Diem	LS	ALL REQUIRED	\$1,500,000	\$1,500,000
G130.010.0000	Field Office	LS	ALL REQUIRED	\$60,000	\$60,000
G130.020.0000	Field Laboratory	LS	ALL REQUIRED	\$30,000	\$30,000
G130.060.0000	Nuclear Testing Equipment Storage Shed	EACH	1	\$20,000	\$20,000
G130.090.0000	Engineering Communications	cs	ALL REQUIRED	\$10,000	\$10,000
G131.010.0000	Engineering Transportation (Truck)	EACH	4	\$50,000	\$200,000
G131.020.0000	Engineering Transportation (ATV)	EACH	1	\$15,000	\$15,000
G135.010.0000	Construction Surveying by the Contractor	LS	ALL REQUIRED	\$500,000	\$500,000
L100.010.0000	Airport Lighting	LS	ALL REQUIRED	\$1,500,000	\$1,500,000
L132.010.0010	Install Approach Lighting Aids, PAPI	LS	ALL REQUIRED	\$500,000	\$500,000
P152.010.0000	Unclassified Excavation	CY	47,991	\$20	\$959,825
P152.190.0000	Borrow	CY	224,174	\$40	\$8,966,964
P154.010.0000	Subbase Course	CY	67,426	\$75	\$5,056,944
P167.020.0000	Dust Palliative	LS	ALL REQUIRED	\$250,000	\$250,000
P299.020.0000	Crushed Aggregate Surface Course	TON	47,539	\$70	\$3,327,748
P640.020.0000	Segmented Circle (Panel-Type)	LS	ALL REQUIRED	\$50,000	\$50,000
P641.010.0000	Erosion, Sediment, and Pollution Control Administration	LS	ALL REQUIRED	\$50,000	\$50,000
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$300,000	\$300,000
P641.040.0000	Temporary Erosion, Sediment, and Pollution Control Additives	cs	ALL REQUIRED	\$200,000	\$200,000
P641.070.0000	SWPPP Manager	LS	ALL REQUIRED	\$150,000	\$150,000
P681.010.0000	Geotextile, Separation	SY	188,288	\$4	\$753,151
S142.040.0000	Equipment Storage Building	LS	ALL REQUIRED	\$4,000,000	\$4,000,000
U400.0X0.00X0	Utility Extensions	LS	ALL REQUIRED	\$4,911,000	\$4,911,000
				<u>Subtotal:</u>	\$36,827,633
	DESIGN CONTINGENCY		Design Contingency	25.00%	\$9,206,908
				Subtotal:	\$46,034,541
			Construction Engineering	22%	\$10,127,599
			ICAP	7.03%	\$3,236,228
				Total	\$59 398 368

Total \$59,398,368



Project Name: Project Number: CFAPT01005

SCAMMON	BAY AIRPORT RELOCATION: Ridgeline (Barged Material)		AIP 3-02-0255-0		
Item No	Pay Item	Pay Unit	Quantity	Unit Price	Amount
	Land Purchase	Acre	17	\$1,000	\$17,000
G100.010.0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$3,500,000	\$3,500,000
G115.010.0000	Worker Meals and Lodging, or Per Diem	LS	ALL REQUIRED	\$1,500,000	\$1,500,000
G130.010.0000	Field Office	LS	ALL REQUIRED	\$60,000	\$60,000
G130.020.0000	Field Laboratory	LS	ALL REQUIRED	\$30,000	\$30,000
G130.060.0000	Nuclear Testing Equipment Storage Shed	EACH	1	\$20,000	\$20,000
G130.090.0000	Engineering Communications	cs	ALL REQUIRED	\$10,000	\$10,000
G131.010.0000	Engineering Transportation (Truck)	EACH	4	\$50,000	\$200,000
G131.020.0000	Engineering Transportation (ATV)	EACH	1	\$15,000	\$15,000
G135.010.0000	Construction Surveying by the Contractor	LS	ALL REQUIRED	\$500,000	\$500,000
L100.010.0000	Airport Lighting	LS	ALL REQUIRED	\$1,500,000	\$1,500,000
L132.010.0010	Install Approach Lighting Aids, PAPI	LS	ALL REQUIRED	\$500,000	\$500,000
P152.010.0000	Unclassified Excavation	CY	47,991	\$20	\$959,825
P152.190.0000	Borrow	CY	224,174	\$133	\$29,815,157
P154.010.0000	Subbase Course	CY	67,426	\$175	\$11,799,537
P167.020.0000	Dust Palliative	LS	ALL REQUIRED	\$250,000	\$250,000
P299.020.0000	Crushed Aggregate Surface Course	TON	47,539	\$140	\$6,655,496
P640.020.0000	Segmented Circle (Panel-Type)	LS	ALL REQUIRED	\$50,000	\$50,000
P641.010.0000	Erosion, Sediment, and Pollution Control Administration	LS	ALL REQUIRED	\$50,000	\$50,000
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$300,000	\$300,000
P641.040.0000	Temporary Erosion, Sediment, and Pollution Control Additives	cs	ALL REQUIRED	\$200,000	\$200,000
P641.070.0000	SWPPP Manager	LS	ALL REQUIRED	\$150,000	\$150,000
P681.010.0000	Geotextile, Separation	SY	188,288	\$4	\$753,151
S142.040.0000	Equipment Storage Building	LS	ALL REQUIRED	\$4,000,000	\$4,000,000
U400.0X0.00X0	Utility Extensions	LUMP SUM	ALL REQUIRED	\$4,911,000	\$4,911,000
				Subtotal:	\$67,746,166
	DESIGN CONTINGENCY		Design Contingency	25.00%	\$16,936,541
				Subtotal:	\$84,682,707
			Construction Engineering	22%	\$18,630,196
			ICAP	7.03%	\$5,953,194
				Total	\$109.266.097

Total \$109,266,097

RAISE EXISTING - Alternative eliminated, but used for Raise & Shift Calculations

ın		

Alternative	X section End Area	Length	Width	Depth	Area (SY)	Volume (CY)	Tons (x2)
Sta. 2+30-29+00	1951	2670				192932	
29+00-38+30	1024	930				35271	
Total Fill						228203	
Subbase		3800	150	2		42222	
CABC		3800	150	0.75		15833	
Borrow						170148	
Geotextile Fabric							

APRON

Total Fill					
Surface Area	250	400	8	29630	
Side Slopes	1100	32	8	5215	
CABC	250	400	0.75	2778	
Subbase	250	400	2.00	7407	
Borrow				24659	
Geotextile Fabric					

Road

Total Fill	408	400			6044	
CABC		400	28	0.5	207	
Subbase		400	28	1	415	
Borrow					5422	
Geotextile Fabric						

Taxiway

/	Total Fill	999	200				7400	
	CABC		200	79	0.75		439	
	Subbase		200	79	2		1170	
	Borrow						5791	
	Geotextile Fabric	0		·	·	·		,

Airport

Borrow			206020	412040
Subbase			51215	102430
CABC			19257	38515
Geotextile Fabric				

RAISE & SHIFT EXISTING

R	u	n	w	ıa	v

	Alternative	X section End Area	Length	Width	Depth	Area (SY)	Volume (CY)	Tone (v2)
Runway	5+70-29+00	1951	2330	with	Deptii	Alea (51)	168364	TOTIS (XZ)
Ruiiway	29+00-38+30	1024	930				35271	
	38+30-41+70	2548	340				32086	
	200' Extension	2410	250				22315	
	Total Fill	2410	250				258036	
			2000	450	0		42222	
	Subbase		3800	150	2		42222	
	0.1.00		2222	450	0.75		45000	
	CABC		3800	150	0.75		15833	
	Minus Borrow for Bank Armor	165.31	9650				59083	
	Unclassified Ex for Bank Armor	43.2	9650				15440	
	Borrow						125457	
	0 1 17 5 1 1		500	450		2000		
	Geotextile Fabric		500	150		8333		
APRON	Same as Raise RW Alt	1	1		ı			
APRON	Total Fill						34844	
	CABC						34844 2778	
	Subbase						7407	
	Borrow						24659	
	Geotextile Fabric						24039	
	Geotextile i abric						0	
Road	Same as Raise RW Alt							
	Total Fill						6044	
	CABC						207	
	Subbase						415	
	Borrow						5422	
	Geotextile Fabric						0 1.22	
	Coolexille 1 db110	1	1		l.			
Taxiway	Same as Raise RW Alt	I	T					
	Total Fill						7400	
	CABC						439	
	Subbase						1170	
	Borrow						5791	
	Geotextile Fabric						0/31	
	Geotextile 1 db110							
Airport	Borrow						161330	322659
	Subbase						51215	
	CABC						19257	38515
	Geotextile Fabric					60336	.0231	200.0
	Erosion Protection		10450					

Borrow				161330	322659
Subbase				51215	102430
CABC				19257	38515
Geotextile Fabric			60336		
Erosion Protection	10450				
Excavation				15440	

Ridgeline

R١	ını	w	w

	Alternative	X section End Area	Length	Width	Depth	Area (SY)	Volume (CY)	Tons (x2)
Runway	Total Fill						167956	
	Subbase	332	3800				46726	
	CABC	115.1	3800				16199	
	Borrow						167956	
	Excavation						22482	
	Geotextile Fabric					91231		
				-	-			
APRON	Total Fill						20857	
and TW	Surface Area							
	Side Slopes							
	CABC-Apron		200	400	0.75		2222	
	CABC-TW		300	79	0.75		658	
	Subbase-Apron		200	400	2		5926	
	Subbase-TW		300	79	2		1756	
	Borrow						20857	
	Geotextile Fabric					17890		
Road	Total Fill	173	9500				60870	
	CABC	15.2	9500		0.5		5348	
	Subbase	37	9500		1		13019	
	Borrow						35361	
	Geotextile Fabric		9500	75		79167		
	Excavation	145	9500				51019	

Airport

Borrow				224174	
Subbase				67426	
CABC				23770	47539
Geotextile Fabric			188288		
Excavation				47991	

CASTLE HILL

_		
Ru	nw	av

Alternative	X section End Area	Length	Width	Depth	Area (SY)	Volume (CY)	Tons (x2)
Total Fill						377778	
Subbase	332	3800				46726	
CABC	115.1	3800				16199	
Borrow						218376	
Excavation						96477	
Geotextile Fabric					120993		

APRON and TW

Total Fill					28594	
Surface Area						
Side Slopes						
CABC-Apron	200	400	0.75		2222	
CABC-TW	300	79	0.75		658	
Subbase-Apron	200	400	2		5926	
Subbase-TW	300	79	2		1756	
Borrow					17730	
Geotextile Fabric				21785		
Excavation					302	

Road

Total Fill	173	13000				83296
CABC	15.2	13000		0.5		7319
Subbase	37	13000		1		17815
Borrow						48389
Geotextile Fabric		13000	75		108333	
Excavation	145	13000				69815

Airport	Borrow		284495	
	Subbase		72222	
	CABC		26398	52797
	Geotextile Fabric	251111		
	Excavation		166594	

Near

D		_		_	٠.
к	u	ш	w	а	v

Alternative	X section End Area	Length	Width	Depth	Area (SY)	Volume (CY)	Tons (x2)
Total Fill				•	` ,	354983	
Subbase	332	3800				46726	
CABC	115.1	3800				16199	
Borrow						292058	
Excavation						20000	
Geotextile Fabric				j	109422		
Total Fill						78587	
CABC-Apron		200	400	0.75		2222	

APRON and TW

Total Fill					78587	
CABC-Apron	200	400	0.75		2222	
CABC-TW	300	79	0.75		658	
Subbase-Apron	200	400	2		5926	
Subbase-TW	300	79	2		1756	
Borrow					68025	
Geotextile Fabric						
Excavation				25076	5000	

Road

Total Fill	173	2850			18261	
CABC	15.2	2850			1604	
Subbase	37	2850			3906	
Borrow					10608	
Geotextile Fabric		2850	75	23750		
Excavation	145	2850			15306	

Airport	Borrow		370691	
7 p 0 t	Subbase		58313	
	CABC		20684	41369
	Geotextile Fabric	210251		
	Excavation		40306	

Utility Estimate

PROJECT NAME: AMATS: Scammon Bay "Ridgeline" estimate

Location: Scammon Bay, AK

Utility Company	Description of Work and Location	Unit	Unit Cost	Total
UUI (GCI)	Install aerial 25- 100 pair (6 miles = 31680 ft)	31680	\$ 45.00	\$ 1,425,600.00
AVEK	Install aerial single phase poles and line (6 miles = 127 poles)		21,000.00 f utility works : 20% utility works :	\$ 2,667,000.00 4,092,600.00 818,520.00 4,911,120.00

Assumed distance from community center is new installation length. This can be updated once final location is selected, the exact length of the access road needed for the airport is finalized, and reviewing AVEC poles for closer connections to tie into. Assumed 20% mark up for barging in freight.

PROJECT NAME: AMATS: Scammon Bay "Castle Hill" estimate

Location: Scammon Bay, AK

Utility Company	Description of Work and Location	Unit	U	Init Cost	Total
UUI (GCI)	Install aerial 25- 100 pair (4.5 miles = 23760 ft)	23760	\$	45.00 _	\$ 1,069,200.00
AVEK	Install aerial single phase poles and line (4.5 miles = 95 poles)			21,000.00 _ utility works :	\$ 1,995,000.00 3,064,200.00
				20%	\$ 612,840.00
	Total	cost of u	utility works:	\$ 3,677,040.00	

Assumed distance from community center is new installation length. This can be updated once final location is selected, the exact length of the access road needed for the airport is finalized, and reviewing AVEC poles for closer connections to tie into. Assumed 20% mark up for barging in freight.

PROJECT NAME: AMATS: Scammon Bay "Shift and Raise" estimate

Location: Scammon Bay, AK

Location Scanmon Bay, 7 in						
Utility Company	Description of Work and Location	Unit		Unit Cost		Total
UUI (GCI)	Install aerial 25- 100 pair (.3 miles = 1584 ft)	1584	\$	45.00	\$	71,280.00
	, , , ,					
AVEK	Install aerial single phase poles and line (.3 miles = 6 poles)	6	Ś	21,000.00	Ś	126,000.00
		Subtota	al cost c	of utility works :	_	197,280.00
		Subtott		20%		39,456.00
		Tota	I cost o	f utility works:	Ş	236,736.00

Assumed distance from community center is new installation length. This can be updated once final location is selected and determining if new services will be needed. Assumed 20% mark up for barging in freight.

				0						
P152.010.0000 - Unclassified Excavation										
	SHEET NUMBER	1	OF	1		PIH				
	CALCULATED BY		JAG		DATE	4/24/2024				
	CHECKED BY				DATE					

					CIT	ECKED BY			DATE			
P152.010.0000 - Un	classified	Excavati	on							Р	152.0	1
Enginee	rs Est	t. Qua	antity	/ =			CY			\$	_	
					Lov	w Bidder		nd Low Bidder	d Low Bidder	•	CY	
Project		Year	Quantity	Unit		1		2	3		Remarks	
Kaltag Airport Improve	ements	2021	2,800	CY	\$	19.40	\$	12.50	\$ 18.00			
Bethel Airport Parallel	Runway I	2019	26,910	CY	\$	10.00	\$	17.00				
CHEFORNAK AIRPOI	RT REHA	2022	9,400	CY	\$	24.00	\$	24.00				
Saint Mary's Airport Im	nproveme	2022	13340	CY	\$	19.65	\$	6.24	\$ 30.00			
				CY								
				CY								
				CY								
	Average l	Jnit Price	Med	lian Pric	e							
By All	\$	18.08	\$		8.70							
By Projects	\$	18.19										
		USE \$20	0/CY									

State of Alaska

			0							
P152.200.0000 - BORROW										
SHEET NUMBER	1	OF	1		PIH					
CALCULATED BY		JAG		DATE	4/5/2024					
CHECKED BY				DATE						

						ECKED BY				DATE			
P152.200.0000 - BC	ORROW										Р	152.20)
Enginee	rs Est	t. Qua	antity	/ =			то	N			\$	_	
					Lo	w Bidder		2nd Low Bidder		Brd Low Bidder		TON	
Project		Year	Quantity	Unit		1		2		3		Remarks	
KWETHLUK AIRPOR	T REHAB	2023	2,940	TON	\$	76.00	\$	215.20	\$	434.85			
CHEFORNAK AIRPO	RT REHA	2022	38,940	TON	\$	85.00	\$	155.00					
MEKORYUK AIRPOR	T REHAE	2023	12,386	TON	\$	157.00	\$	185.00	\$	166.00			
CHEFORNAK AIRPO	RT REHA	2022	38940	TON	\$	85.00	\$	155.00					
Shishmaref Airport Erd	osion Con	2022	23000	TON	\$	95.00	\$	105.50	\$	159.01			
				TON									
				TON									
	Average L	Jnit Price	Med	lian Pric	<u>e</u>								
By All	\$	159.50	\$	15	5.00								
By Projects	\$	154.24											
	Average Un	nit Price (Lo	ow Bidder	.)									
	\$ 99.60) TON						\$ 122	2.06				
	= 200	CY											
	Assume 1/3	3 discount	for quanti	ty									
	USE: 1	33.33 CY											

			0		
	P15	52.20	00.000	- BC	DRROW
SHEET NUMBER	1	OF	1		PIH
CALCULATED BY		JAG		DATE	4/24/2024
CHECKED BY				DATE	

						CKED B1				DATE		
P152.200.0000 - BO	RROW										Р	152.20
Enginee	rs Est	t. Qua	antity	/ =			TON		•		\$	-
					Low	/ Bidder		nd Low Bidder		d Low lidder		TON
Project		Year	Quantity	Unit		1		2		3		Remarks
Kaltag Airport Improver	ments	2021	2,900	TON	\$	53.15	\$	35.00	\$	25.00		
Bethel Airport Parallel F	Runway I	2019	45,300	TON	\$	18.00	\$	13.00				
SLEETMUTE AIRPOR	T RESUI	2022	10,960	TON	\$	48.00	\$	47.00				
Saint Mary's Airport Im	proveme	2022	24450	TON	\$	18.80	\$	12.41	\$	15.00		
Marshall Airport Improv	ements	2023	214300	TON	\$	34.00	\$	48.16				
				TON								
				TON								
	Average U	Jnit Price	Medi	an Pric	e							
By All	\$	30.63	\$		9.50							
By Projects	\$	31.44										
		<u>Use \$60</u>	/CY									
			ount for qu	antity								
		Use \$40	/CY									

			0		
	P18	52.19	90.0000	- BC	ORROW
SHEET NUMBER	1	OF	1		PIH
CALCULATED BY		JAG		DATE	4/24/2024
CHECKED BY				DATE	

P152.19 P152							ECKED B1			DATE		
Low Bidder Low Bidder Bidder TON TON TON	P152.190.0000 - BC	ORROW									P	152.19
Project Year Quantity Unit 1 2 3 Remarks	Enginee	rs Est	t. Qua	antity	/=				2n	dlow	\$	-
Eagle Airport Electrical Equipm 2022 37 CY \$ 492.00 \$ 225.00 \$ 35.00 South Naknek Airport Runway F 2019 29,600 CY \$ 75.00 \$ 110.00 \$ 105.00 Bettles Airport Lighting and Res 2021 2,975 CY \$ 11.00 \$ 10.00 \$ 36.00 KWETHLUK AIRPORT REHAB 2023 460 CY \$ 153.00 \$ 311.30 \$ 1,012.66 CY CY CY CY By All \$ 214.66 \$ 107.50 By Projects \$ 214.66						Lo	w Bidder					TON
South Naknek Airport Runway F 2019 29,600 CY \$ 75.00 \$ 110.00 \$ 105.00 Bettles Airport Lighting and Res 2021 2,975 CY \$ 11.00 \$ 10.00 \$ 36.00 KWETHLUK AIRPORT REHAB 2023 460 CY \$ 153.00 \$ 311.30 \$ 1,012.66 CY CY CY CY By All \$ 214.66 \$ 107.50 By Projects \$ 214.66	Project		Year	Quantity	Unit		1	2		3		Remarks
Bettles Airport Lighting and Res 2021 2,975 CY \$ 11.00 \$ 10.00 \$ 36.00 KWETHLUK AIRPORT REHAB 2023 460 CY \$ 153.00 \$ 311.30 \$ 1,012.66 CY CY CY CY By All \$ 214.66 \$ 107.50 By Projects \$ 214.66	Eagle Airport Electrica	ıl Equipm	2022	37	CY	\$	492.00	\$ 225.00	\$	35.00		
KWETHLUK AIRPORT REHAB 2023 460 CY \$ 153.00 \$ 311.30 \$ 1,012.66 CY CY CY CY By All \$ 214.66 \$ 107.50 By Projects \$ 214.66	South Naknek Airport	Runway F	2019	29,600	CY	\$	75.00	\$ 110.00	\$	105.00		
CY CY CY By All \$ 214.66 \$ 107.50 By Projects \$ 214.66	Bettles Airport Lighting	g and Res	2021	2,975	CY	\$	11.00	\$ 10.00	\$	36.00		
CY CY Average Unit Price Median Price By All \$ 214.66 \$ 107.50 By Projects \$ 214.66	KWETHLUK AIRPOR	T REHAB	2023	460	CY	\$	153.00	\$ 311.30	\$ 1.	,012.66		
CY Average Unit Price Median Price By All \$ 214.66 \$ 107.50 By Projects \$ 214.66					CY							
Average Unit Price Median Price By All \$ 214.66 \$ 107.50 By Projects \$ 214.66					CY							
By All \$ 214.66 \$ 107.50 By Projects \$ 214.66					CY							
By All \$ 214.66 \$ 107.50 By Projects \$ 214.66												
By All \$ 214.66 \$ 107.50 By Projects \$ 214.66		Average I	Jnit Price	Med	lian Price	÷.						
	By All	_										
NOT USED	By Projects	\$	214.66									
NOT USED												
			NO:	T USED								

			0		
I	P154.02	0.00	00 - SUI	ЗВА	SE COURSE
SHEET NUMBER	1	OF	1		PIH
CALCULATED BY		JAG		DATE	4/24/2024
CHECKED BY				DATE	

					On	ECKED BY				DATE			
P154.020.0000 - SU	IBBASE C	OURSE									Р	154.0	2
Enginee	rs Est	t. Qua	antity	/ =			OT	N			\$	_	ı
					Lov	v Bidder		nd Low Bidder		rd Low Bidder	_	TON	
Project		Year	Quantity	Unit		1		2		3		Remarks	
Noorvik Airport Rehab	ilitation	2021	34,131	TON	\$	24.00	\$	40.00	\$	39.00			
Kaltag Airport Improve	ements	2021	8,700	TON	\$	27.10	\$	50.00	\$	28.00			
Saint Mary's Airport Im	nproveme	2022	18,530	TON	\$	29.05	\$	21.87	\$	30.00			
Marshall Airport Impro	vements	2023	56300	TON	\$	48.00	\$	72.67					
				TON									
				TON									
				TON									
	Average l	Init Price	Mec	lian Price	2								
By All	\$	37.24	\$		0.00								
By Projects	\$	39.17											
		<u>Use \$37</u>	.24/Ton										
		=\$75/CY		al Mater	rial								
	Due to	lack of A	ASHTOW	are data	a - Us	e \$175/C	Y fo	r Barge (Cost				
						•		. 3					

				0		
	P299.02	0.0000	Crus	hed Ag	greg	ate Surface Course
3	SHEET NUMBER	1	OF	1		PIH
	CALCULATED BY		JAG		DATE	4/8/2024
	CHECKED BY				DATE	

				Ci	IECKED BY			DATE		
P299.020.0000 Crus	shed Aggre	egate Su	rface Course						Р	299.02
Enginee	rs Est	. Qua	antity =			Tor	า		\$	_
				Lo	w Bidder		nd Low Bidder	ord Low Bidder	-	Ton
Project		Year	Quantity Unit		1		2	3		Remarks
KWETHLUK AIRPORT	REHAB	2023	38,971 Ton	\$	156.00	\$	215.00	\$ 449.59		
CHEFORNAK AIRPOF	RT REHA	2022	46,320 Ton	\$	93.00	\$	175.00			
MEKORYUK AIRPORT	ΓREHAE	2023	1,872 Ton	\$	188.00	\$	195.00	\$ 180.00		
CHEFORNAK AIRPOF	RT REHA	2022	46320 Ton	\$	93.00	\$	175.00			
Shishmaref Airport Ero	sion Con	2022	1600 Ton	\$	150.00	\$	256.00	\$ 199.43		
KIPNUK AIRPORT RE	HABILIT	2021	49010 Ton	\$	110.00	\$	170.10			
			Ton							
	Average L	Init Price	<u>Median Pri</u>	<u>ce</u>						
By All	\$	187.01	\$ 1	75.00						
By Projects	\$	178.51								
		Ave	erage Low Bidde	r, simi	lar quanti	ty				
		\$	113.00			•				
		Infla	ate @ 10% per y	ear						
			136							
		He	e \$140							
		•	7 4 1 10							
-										

ĺ						
				0		
	P299.02	0.0000	Crus	hed Ag	greg	ate Surface Course
5	SHEET NUMBER	1	OF	1		PIH
	CALCULATED BY		JAG	ı	DATE	4/24/2024
	CHECKED BY				DATE	

					OHE	CKED BY				DATE		
P299.020.0000 Cru	shed Aggre	egate Su	rface Co	urse							Р	299.02
Enginee	rs Est	. Qua	antity	/ =	Ton					\$	_	
					Low	Low Bidder		2nd Low Bidder		rd Low Bidder		Ton
Project		Year	Quantity	Unit		1		2		3		Remarks
Kaltag Airport Improve	ements	2021	13,000	Ton	\$	70.20	\$	115.00	\$	135.00		
Marshall Airport Impro	vements	2023	51,400	Ton	\$	65.00	\$	85.97				
Noorvik Airport Rehab	ilitation	2021	44,577	Ton	\$	38.65	\$	52.00	\$	47.00		
Ekwok Airport & New	Stuyahok	2021	50570	Ton	\$	26.00	\$	60.00	\$	53.00		
			-	Ton								
			-	Ton								
			-	Ton								
	Average U	nit Price	<u>Medi</u>	an Pric	<u>e</u>							
By All	\$	67.98	\$		0.00							
By Projects	\$	68.61										
		Use \$70	/TON									

0										
P185.010.0000 Primary Armor Stone, Class I										
SHEET NUMBER	1	OF	1		PIH					
CALCULATED BY		JAG		DATE	4/23/2024					
CHECKED BY				DATE						

P185.010.0000 Primary	Armor Stone,	Class I				P185.01
Engineers	Est. Qua	antity =		Ton		\$ -
			Low Bidde	2nd Low	3rd Low Bidder	Ψ -
				Blader		Ton
Project	Year	Quantity Unit	1	2	3	Remarks
Shishmaref Airport Erosion	Con 2023	8,300 Ton	\$ 265.00) \$ 273.00	\$ 319.02	
		Ton -				
		Ton				
		Ton				
		Ton Ton				
		Ton				
		1011				
A	Usit Daise	Madian Dela				
By All \$	erage Unit Price 285.67	Median Price \$ 273	<u>₹</u> 3.00			
By Projects \$	285.67					
	Us	e \$286/TON Bar	ged			
	Due to lack of A	ASHTOWare data	a for locally	available Arm	or Stone, use	\$186/TON

			0		
P1	85.090.0	0000	Underl	ayer	Stone, Class I
SHEET NUMBER	1	OF	1		PIH
CALCULATED BY		JAG		DATE	4/23/2024
CHECKED BY				DATE	

						ECKED B1				DATE		
P185.090.0000 Under	layer Sto	ne, Clas	ss I								Р	185.09
Engineers	s Est.	Qua	antity	=			Ton	1			_	
						5	2	nd Low	3	Brd Low	\$	-
						Low Bidder		Bidder		Bidder		Ton
Project		Year	Quantity	Unit		1		2		3		Remarks
Shishmaref Airport Erosio	on Con	2022	5,800 T		\$	210.00	\$	270.00	\$	310.27		
				on								
			Т	on								
				on								
				on								
				on								
			Т	on								
	Average Ur			an Price								
By All \$		263.42		270	0.00							
By Projects \$		263.42										
		USE \$2	64/TON									
Du	ie to lack	of AASH	TOWare d	ata for	loca	lly availa	ble	Armor St	tone	, use \$16	4/TON	

			0		
	611.20)11.0	000A Ur	derl	ayer Rock
SHEET NUMBER	1	OF	1		PIH
CALCULATED BY		JAG		DATE	4/23/2024
CHECKED BY				DATE	

### Still 2011 Once Comparison Compariso					СПЕ	CKED BY				DATE			
Low Bidder Low Bidder Bidder Ton	611.2011.000A Uno	lerlayer Ro	ck								6	11.201	
Low Bidder Low Bidder Bidder Ton	Enginee	rs Est	. Qu	antity =			Ton			ŀ	_		
Project Year Quantity Unit 1 2 3 Remarks				•		and low and low		\$	-				
ALASKA PENINSULA HIGHW 2019 460 Ton \$ 220.00 \$ 280.00 \$ 236.00 Ton Ton Ton Ton Ton Ton Ton Average Unit Price By All \$ 245.33 \$ 236.00 By Projects \$ 245.33					Low	/ Bidder						Ton	
Ton Ton Ton Ton Ton Ton Ton Ton Ton Average Unit Price Median Price By All \$ 245.33 \$ 236.00 By Projects \$ 245.33	Project		Year	Quantity Unit		1		2	;	3		Remarks	
Ton Ton Ton Ton Ton Ton Ton Average Unit Price Median Price By All \$ 245.33 \$ 236.00 By Projects \$ 245.33	ALASKA PENINSULA	HIGHW	2019	460 Ton	\$	220.00	\$	280.00	\$ 2	36.00			
Ton Ton Ton Ton Ton Average Unit Price Median Price By All \$ 245.33 \$ 236.00 By Projects \$ 245.33													
Ton Ton Ton Average Unit Price Median Price By All \$ 245.33 \$ 236.00 By Projects \$ 245.33													
Ton Ton Average Unit Price Median Price By All \$ 245.33 \$ 236.00 By Projects \$ 245.33													
Ton Average Unit Price Median Price													
Average Unit Price Median Price By All \$ 245.33 \$ 236.00 By Projects \$ 245.33													
By All \$ 245.33 \$ 236.00 By Projects \$ 245.33				Ton									
By All \$ 245.33 \$ 236.00 By Projects \$ 245.33													
By Projects \$ 245.33	D. All	_											
					0.00								
NOT USED	By Flojects	Ψ	245.55										
			NO	IT LISED									
			140	OOLD									
					_		_						

0										
611.2000.0000 Armor Rock										
SHEET NUMBER	1	OF	1		PIH					
CALCULATED BY		JAG		DATE	4/23/2024					
CHECKED BY				DATE						

								DATE		
611.2000.0000 Armor Rock									61	11.200
Engineers Es	t. Qua	antity =			Tor	า			\$	_
			Lo	w Bidder	2nd Low Bidder			ord Low Bidder		Ton
Project	Year	Quantity Unit		1		2		3		Remarks
Shishmaref Sanitation Road En	2019	6,121 Ton	\$	215.00	\$	196.00	\$	219.79		Titoliano
Northern Region Deep Culverts	2020	7,794 Ton	\$	60.00	Ψ	100.00	Ψ	210.70		
CHINIAK HWY EROSION RES	2018	1,729 Ton	\$	61.00	\$	95.00	\$	100.00		
		Ton	,		Ť		Ť			
		Ton								
		Ton								
		Ton								
Average	Unit Price	Median Price	.							
By All \$	135.26		0.00							
By Projects \$	118.53									
		NOT USED								

				0		
		611.00	02.0	0004 RIF	PRAI	P CLASS 4
3	SHEET NUMBER	1	OF	1		PIH
	CALCULATED BY		JAG		DATE	4/23/2024
	CHECKED BY				DATE	

				-CKED B1				DATE	
611.0002.0004 RIPRAP CLA	SS 4								611.000
Engineers Es	t. Qua	antity =			Tor				\$ -
			Low Bidder			nd Low Bidder	3rd Low Bidder		Ton
Project	Year	Quantity Unit		1		2		3	Remarks
KALIFORNSKY BEACH ROAD	2019	450 Ton	\$	156.20	\$	135.00	\$	185.00	
JNU MENDENHALL RIVER FL	2023	1,913 Ton	\$	69.00	\$	85.00	\$	95.00	
TOFTY ROAD SULLIVAN CRE	2021	230 Ton	\$	120.00	\$	58.00	\$	246.76	
SEWARD HMY: MP 17-22.5 RE	2021	7800 Ton	\$	100.00	\$	50.00	\$	165.00	
Parks Highway Bridge Replacer	2021	100 Ton	\$	74.75	\$	85.00	\$	98.00	
		Ton							
		Ton							
Average	Unit Price	Median Price	.						
By All \$	114.85		3.00						
By Projects \$	114.85								
	NO ⁻	T USED							

			0						
611.0001.0003 RIPRAP CLASS 3									
SHEET NUMBER	1	OF	1		PIH				
CALCULATED BY		JAG		DATE	4/23/2024				
CHECKED BY				DATE					

				ILCKED B1				DATE	
611.0001.0003 RIPRAP CLAS	S 3								611.000
Engineers Es	antity =	CY				\$ -			
				Low Bidder		2nd Low Bidder		rd Low Bidder	•
Drainet	Voor	Quantity Unit		1			•		CY Remarks
Project Gulkana River Boat Launch Mu	Year 2021	Quantity Unit	\$	95.00	\$	92.00	\$	90.00	Remarks
Delta River Flooding - Larry Spe	2021	1,700 CY	э \$	41.00	э \$	60.00	Ф \$	70.00	
QUARTZ CREEK BRIDGE REF	2022	3,100 CY	Ф \$	248.00	φ \$	290.00	φ	70.00	
QUANTZ CINEEN BINDGE NEP	2022	5,100 C1	φ	240.00	φ	290.00			
		CY							
		CY							
		CY							
A	Unit Dring	Median Price	_						
By All \$	Unit Price 123.25	<u></u>	2 1.00						
By Projects \$	139.44								