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**Engineer's Estimate for  
AMATS:  
Mountain Air  
Drive Extension  
(CED 2021.02)**

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Submitted by:  
Engifar, Inc.  
2900 Spirit Dr.  
Anchorage, AK 99508

April 19, 2021

**UNOFFICIAL ENGINEER'S ESTIMATE**

STATE OF ALASKA — DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES — CENTRAL REGION  
 Project No: UAA CED 2021.02 Project Name: AMATS: Mountain Air Drive Extension  
 Date: 19-Apr-21

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
===== BASIC BID =====					
202.0002.0000	Removal of Pavement	SQUARE YARD	6.00	2,443.00	14,658.00
202.0004.0000	Removal of Culvert Pipe	LINEAR FOOT	20.00	100.00	2,000.00
203.0003.0000	Unclassified Excavation	CUBIC YARD	15.00	85,869	1,288,035.00
203.0006.0000	Borrow, Type A	CUBIC YARD	36.00	26,308.00	947,088.00
205.0006.0000	Structural Fill	CUBIC YARD	35.00	5,400.00	189,000.00
301.0001.0001	Aggregate Base Course, Grading D-1	CUBIC YARD	30.00	1,322.25	39,667.50
306.0001.0000	ATB	TON	180.00	2,488.40	447,912.00
402.0001.0000	Tack Coat	TON	300.00	3.45	1,035.00
401.0001.001B	Hot Mix Asphalt, Type II; Class B	TON	260.00	1,395.50	362,830.00
401.0002.5228	Asphalt Cement, Grade 52-28	TON	650.00	70.00	45,500.00
401.0006.001B	Asphalt Price Adjustment	CONTINGENT SUM	1.00	All Req'd	1.00
401.0009.0000	Longitudinal Joint Adhesive and Sealing	LINEAR FOOT	0.65	2,620.00	1,703.00
603.0017.0018	18 Inch Pipe	LINEAR FOOT	140.00	100.00	14,000.00
603.0017.0024	24 Inch Pipe	LINEAR FOOT	150.00	40.00	6,000.00
603.0017.0036	36 Inch Pipe	LINEAR FOOT	210.00	0.00	-
603.0020.0018	End Section for 18 Inch Pipe	EACH	500.00	3.00	1,500.00
603.0020.0024	End Section for 24 Inch Pipe	EACH	600.00	1.00	600.00
603.0020.0036	End Section for 36 Inch Pipe	EACH	2,500.00	0.00	-
606.0001.0000	W-Beam Guardrail	LINEAR FOOT	26.00	380.00	9,880.00
606.0011.0000	Extruder Terminal (ET-PLUS)	EACH	3,000.00	4.00	12,000.00
611.0001.0002	RIPRAPP	TON	170.00	0.00	-
615.0001.0000	Standard Sign	SQUARE FEET	150.00	155.00	23,250.00
615.0006.0000	Salvage Sign	EACH	50.00	1.00	50.00
618.0002.0000	Seeding	SQUARE YARD	4.50	28,510.00	128,295.00
633.0001.0000	Silt Fence	LINEAR FOOT	20.00	N/A	-
639.0006.0000	Approach	EACH	3,500.00	2.00	7,000.00
639.0001.0000	Driveway	EACH	2,000.00	7.00	14,000.00
507.0001.0001	Steel Bridge Rail - Pedestrian Rail	LF	200.00	380.00	76,000.00
507.0001.0002	Steel Bridge Rail - Three Tube	LF	175.00	380.00	66,500.00
507.0001.0003	Steel Bridge Rail - Transition Rail	EACH	2,500.00	4.00	10,000.00
501.0007.0000	Precast Concrete Member	EACH	65,000.00	8.00	520,000.00
511.0001.0000	MSE Wall	SQUARE FOOT	100.00	1,839.20	183,920.00
155.0001.0000	Lighting	LUMP SUM	300,000.00	All Req'd	300,000.00
621.0201.0000	Roundabout Landscaping	LUMP SUM	30,000.00	All Req'd	30,000.00
501.0015.0000	Truck Apron Concrete	CUBIC YARD	500.00	29.45	14,725.00
608.0029.0000	Traffic Island	EACH	5,000.00	3.00	15,000.00
640.0001.0000	Mobilization and Demobilization	LUMP SUM	258,275.00	All Req'd	279,855.06
641.0001.0000	Erosion, Sediment, and Pollution Control Administ	LUMP SUM	21,500.00	All Req'd	23,320.00
641.0002.0000	Temporary Erosion, Sediment, and Pollution Contr	CONTINGENT SUM	150,658.00	All Req'd	163,248.00
641.0005.0000	Erosion, Sediment, and Pollution Control Price Adj	CONTINGENT SUM	1.00	All Req'd	1.00
641.0006.0000	SWPPP Manager	LUMP SUM	8,610.00	All Req'd	9,330.00
642.0001.0000	Construction Surveying	LUMP SUM	80,000.00	All Req'd	86,290.00
643.0002.0000	Traffic Maintenance	LUMP SUM	90,395.00	All Req'd	97,950.00
643.0003.0000	Permanent Construction Signs	LUMP SUM	63,706.00	All Req'd	69,030.00
643.0015.0000	Flagging	CONTINGENT SUM	86,090.00	All Req'd	93,285.00
643.0023.0000	Traffic Price Adjustment	CONTINGENT SUM	1.00	All Req'd	1.00
643.0025.0000	Traffic Control	CONTINGENT SUM	86,090.00	All Req'd	93,285.00

Item No.	Pay Item	Pay Unit	Unit Price	Quantity	Amount
644.0001.0000	Field Office	LUMP SUM	1.00	All Req'd	N/A
644.0002.0000	Field Laboratory	LUMP SUM	1.00	All Req'd	N/A
644.0010.0000	Engineering Communications	CONTINGENT SUM	7,750.00	All Req'd	8,395.00
646.0001.0000	CPM Scheduling	LUMP SUM	7,750.00	All Req'd	8,395.00
670.0010.0000	Durable Pavement Markings	LUMP SUM	10,000.00	All Req'd	10,000.00
		Basic Bid, Pay-Item Subtotal:			5,714,534.56
		Minus Consturction engineering 644() Exclusions			-8,395.00
					<u>5,706,139.56</u>
		Construction Engineering (CE) at 15% +			855,920.93
					<u>6,562,060.49</u>
		Right of Way Acquisition			708,120.00
		Utility Relocation			500,000.00
		ICAP at 4.75% +			311,697.87
					<u>6,873,758.37</u>
		Construction Cost			6,873,758.37
		Design Cost			200,000.00
		Total Cost			<u>8,281,878.37</u>