

CONCEPTUAL DESIGN SUBMITTAL
CONSTRUCTION COST ESTIMATE

UNALASKA POLICE STATION
FOR CITY OF UNALASKA
UNALASKA, ALASKA

PREPARED FOR:

Jensen Yorba Wall, Inc.
522 West 10th Street
Juneau, Alaska 99801

July 27, 2020



HMS Project No.: 20075

NOTES REGARDING THE PREPARATION OF THIS ESTIMATE

DRAWINGS AND DOCUMENTS

Level of Documents: (17) conceptual design drawings and systems narratives
Date: July 14, 2020
Provided By: Jensen Yorba Wall, Inc and their subconsultants of Juneau, Alaska

RATES

Pricing is based on current material, equipment and freight costs.

Labor Rates: A.S. Title 36 working 60 hours per week
Premium Time: 16.70%

BIDDING ASSUMPTIONS

Contract: Standard construction contract without restrictive bidding clauses
Bidding Situation: Competitive bids assumed
Bid Date: Spring 2021
Start of Construction: Summer 2021
Months to Complete: Within (12) months total construction time

EXCLUDED COSTS

1. A/E design fees
2. Administrative and management costs
3. Furniture, furnishings and equipment (except those specifically included)
4. Removal of hazardous materials or contaminated soils, if found during construction

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NOTES REGARDING THE PREPARATION OF THIS ESTIMATE (Continued)

GENERAL

When included in HMS Inc.'s scope of services, opinions or estimates of probable construction costs are prepared on the basis of HMS Inc.'s experience and qualifications and represent HMS Inc.'s judgment as a professional generally familiar with the industry. However, since HMS Inc. has no control over the cost of labor, materials, equipment or services furnished by others, over contractor's methods of determining prices, or over competitive bidding or market conditions, HMS Inc. cannot and does not guarantee that proposals, bids, or actual construction cost will not vary from HMS Inc.'s opinions or estimates of probable construction cost.

This estimate assumes normal escalation based on the current economic climate. HMS Inc. will continue to monitor this, as well as other international, domestic and local events, and the resulting construction climate, and will adjust costs and contingencies as deemed appropriate.

Due to the rapidly evolving nature of the COVID-19 coronavirus pandemic and its as-yet unknown affect on the economy, and more specifically the construction industry, HMS Inc. is incorporating an additional contingency titled **Unique Market Risk**'. The amount provided for in the estimate will be adjusted as the situation continues to change and the effect on construction pricing becomes more predictable.

GROSS FLOOR AREA

First Floor	10,286 SF
Second Floor	<u>5,912 SF</u>
TOTAL GROSS FLOOR AREA:	<u><u>16,198 SF</u></u>

HMS Project No.: 20075

CONCEPTUAL DESIGN COST SUMMARY

		<i>Total</i>
BASE BID		\$ 13,676,353
ADD ALTERNATE - COVERD PARKING		592,841
TOTAL ESTIMATED CONSTRUCTION COST:		\$ 14,269,194
<i>COST PER SQUARE FOOT:</i>		<i>\$ 880.92 /SF</i>
<i>GROSS FLOOR AREA:</i>		<i>16,198 SF</i>

HMS Project No.: 20075

CONCEPTUAL DESIGN COST SUMMARY

	<i>Material</i>	<i>Labor</i>	<i>Total</i>
01 - SITE WORK	\$ 435,212	\$ 282,480	\$ 717,692
02 - SUBSTRUCTURE	599,740	511,011	1,110,751
03 - SUPERSTRUCTURE	696,203	501,221	1,197,424
04 - EXTERIOR CLOSURE	365,847	264,102	629,949
05 - ROOF SYSTEMS	141,872	153,088	294,960
06 - INTERIOR CONSTRUCTION	475,918	484,981	960,899
07 - CONVEYING SYSTEMS	104,500	37,344	141,844
08 - MECHANICAL	673,090	574,545	1,247,635
09 - ELECTRICAL	588,959	445,600	1,034,559
10 - EQUIPMENT	21,899	5,716	27,615
11 - SPECIAL CONSTRUCTION	229,250	24,799	254,049
<i>SUBTOTAL:</i>	<i>\$ 4,332,490</i>	<i>\$ 3,284,887</i>	<i>\$ 7,617,377</i>
12 - GENERAL REQUIREMENTS			3,111,996
<i>SUBTOTAL:</i>			<i>\$ 10,729,373</i>
13 - CONTINGENCIES			2,946,980
TOTAL ESTIMATED CONSTRUCTION COST:			\$ 13,676,353
<i>COST PER SQUARE FOOT:</i>			<i>\$ 844.32 /SF</i>
<i>GROSS FLOOR AREA:</i>			<i>16,198 SF</i>

HMS Project No.: 20075

ELEMENTAL SUMMARY

<i>Element</i>	<i>Material</i>	<i>Labor</i>	<i>Total Material/Labor</i>	<i>Total Cost</i>	<i>Cost per SF</i>
01 - SITE WORK				\$ 717,692	\$ 44.31
011 - Demolition	\$ 3,500	\$ 5,835	\$ 9,335		0.58
012 - Site Preparation	74,617	89,252	163,869		10.12
013 - Site Improvements	142,674	80,692	223,366		13.79
014 - Site Mechanical	114,497	68,644	183,141		11.31
015 - Site Electrical	99,924	38,057	137,981		8.52
02 - SUBSTRUCTURE				\$ 1,110,751	\$ 68.57
021 - Standard Foundations	\$ 267,508	\$ 197,633	\$ 465,141		28.72
022 - Slab on Grade	141,792	53,767	195,559		12.07
023 - Basement	0	0	0		0.00
024 - Special Foundations	190,440	259,611	450,051		27.78
03 - SUPERSTRUCTURE				\$ 1,197,424	\$ 73.92
031 - Floor Construction	\$ 229,677	\$ 162,955	\$ 392,632		24.24
032 - Roof Construction	447,471	325,878	773,349		47.74
033 - Stair Construction	19,055	12,388	31,443		1.94
04 - EXTERIOR CLOSURE				\$ 629,949	\$ 38.89
041 - Exterior Walls	\$ 255,783	\$ 217,721	\$ 473,504		29.23
042 - Exterior Doors and Windows	110,064	46,381	156,445		9.66
05 - ROOF SYSTEMS				\$ 294,960	\$ 18.21
051 - Roofing	\$ 141,872	\$ 153,088	\$ 294,960		18.21
052 - Skylights	0	0	0		0.00
06 - INTERIOR CONSTRUCTION				\$ 960,899	\$ 59.32
061 - Partitions and Doors	\$ 198,747	\$ 231,602	\$ 430,349		26.57
062 - Interior Finishes	185,819	218,707	404,526		24.97
063 - Specialties	91,352	34,672	126,024		7.78
07 - CONVEYING SYSTEMS	\$ 104,500	\$ 37,344		\$ 141,844	\$ 8.76

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ELEMENTAL SUMMARY

<i>Element</i>	<i>Material</i>	<i>Labor</i>	<i>Total Material/Labor</i>	<i>Total Cost</i>	<i>Cost per SF</i>
08 - MECHANICAL				\$ 1,247,635	\$ 77.02
081 - Demolition	\$ 0	\$ 0	\$ 0		0.00
082 - Plumbing	82,146	89,737	171,883		10.61
083 - HVAC	518,911	419,200	938,111		57.92
084 - Fire Protection	54,784	57,342	112,126		6.92
085 - Special Mechanical Systems	17,249	8,266	25,515		1.58
09 - ELECTRICAL				\$ 1,034,559	\$ 63.87
091 - Demolition	\$ 0	\$ 0	\$ 0		0.00
092 - Service and Distribution	63,599	36,450	100,049		6.18
093 - Lighting and Power	245,294	201,816	447,110		27.60
094 - Special Electrical Systems	280,066	207,334	487,400		30.09
10 - EQUIPMENT				\$ 27,615	\$ 1.70
101 - Fixed and Movable Equipment	\$ 11,460	\$ 1,727	\$ 13,187		0.81
102 - Furnishings	10,439	3,989	14,428		0.89
11 - SPECIAL CONSTRUCTION	\$ 229,250	\$ 24,799		\$ 254,049	\$ 15.68
SUBTOTAL DIRECT WORK:	\$ 4,332,490	\$ 3,284,887		\$ 7,617,377	
12 - GENERAL REQUIREMENTS				\$ 3,111,996	\$ 192.12
121 - Mobilization			\$ 405,750		25.05
122 - Operation Costs			1,579,319		97.50
123 - Profit			1,126,927		69.57
13 - CONTINGENCIES				\$ 2,946,980	\$ 181.93
131 - Estimator's Contingency	20.00%		\$ 2,145,875		132.48
131 - Unique Market Risk	3.50%		450,634		27.82
132 - Escalation Contingency	2.63%		350,471		21.64
TOTAL ESTIMATED CONSTRUCTION COST:				\$ 13,676,353	\$844.32 /SF
GROSS FLOOR AREA:					16,198 SF

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

01 - SITE WORK	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
011 - Demolition								

Site demolition and disposal as required (allowance)	1	LOT	3500.00	3,500	5000.00	5,000	8500.00	8,500
SUBTOTAL:				\$ 3,500		\$ 5,000		\$ 8,500
Labor Premium Time	16.70%					835		835

TOTAL ESTIMATED COST:				\$ 3,500		\$ 5,835		\$ 9,335
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CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

01 - SITE WORK 012 - Site Preparation	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

PREPARATION

Survey and staking	1.24	AC	1500.00	1,860	7000.00	8,680	8500.00	10,540
SWPPP cost and implementation	1	LOT	4000.00	4,000	2500.00	2,500	6500.00	6,500
SWPPP maintenance	12	MOS	500.00	6,000	800.00	9,600	1300.00	15,600
Erosion, dust and pollution control	34,400	SF	0.03	1,032	0.08	2,752	0.11	3,784
Traffic control and barriers (minimal)	1	LOT	1500.00	1,500	2500.00	2,500	4000.00	4,000

EARTHWORK

Regrade site as needed	40,000	SF			0.25	10,000	0.25	10,000
Fill for site regrading (allowance)	500	CY	18.00	9,000	7.50	3,750	25.50	12,750
Excavate organics and dispose	1,785	CY			8.50	15,173	8.50	15,173
24" deep NSF fill at pavements and around building	2,050	CY	24.00	49,200	10.50	21,525	34.50	70,725
Compaction tests (one/250 CY)	9	EA	225.00	2,025			225.00	2,025

SUBTOTAL:				\$ 74,617		\$ 76,480		\$ 151,097
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Labor Premium Time	16.70%					12,772		12,772
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TOTAL ESTIMATED COST:				\$ 74,617		\$ 89,252		\$ 163,869
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01 - SITE WORK	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
013 - Site Improvements								

CONCRETE SIDEWALKS, CURBS, ETC.

4" D1 base course, compacted	42	CY	28.00	1,176	13.00	546	41.00	1,722
6" reinforced concrete sidewalks, pads, etc.	1,520	SF	6.80	10,336	5.25	7,980	12.05	18,316
8" reinforced concrete fuel tank pad	210	SF	7.80	1,638	5.50	1,155	13.30	2,793
6" reinforced generator pad	50	SF	6.80	340	5.50	275	12.30	615
Concrete curb and gutter	280	LF	28.00	7,840	20.00	5,600	48.00	13,440
Match existing curbs	10	LF	28.00	280	30.00	300	58.00	580
Concrete stairs	7	TRD	240.00	1,680	125.00	875	365.00	2,555
Pipe railing and posts	12	LF	65.00	780	38.00	456	103.00	1,236

AC PAVEMENTS/ROAD

4" D1 leveling course, compacted	120	CY	22.50	2,700	8.00	960	30.50	3,660
Finish grade	8,650	SF			0.15	1,298	0.15	1,298
2" AC pavements (105 tons)	8,400	SF	4.85	40,740	2.15	18,060	7.00	58,800
Match existing pavement	60	LF	1.40	84	2.90	174	4.30	258
Mark parking stall	41	EA	6.50	267	22.00	902	28.50	1,169

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01 - SITE WORK 013 - Site Improvements	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

AC PAVEMENTS/ROAD (Continued)

Mark parking stall with handicap symbol	4	EA	22.00	88	45.00	180	67.00	268
Pavement tests (1 per 1,000 SF)	9	EA	250.00	2,250			250.00	2,250
Single panel traffic signs, posts and bases	6	EA	150.00	900	125.00	750	275.00	1,650

SITE FURNISHINGS

Flag pole and base	2	EA	5500.00	11,000	2200.00	4,400	7700.00	15,400
Wood dumpster enclosure	29	LF	35.00	1,015	29.00	841	64.00	1,856
Monumental facility lit sign	1	EA	5000.00	5,000	2500.00	2,500	7500.00	7,500
Wood and metal bench	3	EA	2500.00	7,500	500.00	1,500	3000.00	9,000
Bicycle rack	2	EA	1000.00	2,000	250.00	500	1250.00	2,500

LANDSCAPING

Topsoil at plantings and seeding	70	CY	25.00	1,750	9.50	665	34.50	2,415
Trees	10	EA	370.00	3,700	285.00	2,850	655.00	6,550
Shrubs	20	EA	80.00	1,600	30.00	600	110.00	2,200
Lawn seed	4.84	MSF	95.00	460	295.00	1,428	390.00	1,888

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01 - SITE WORK	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
013 - Site Improvements								

LANDSCAPING (Continued)

Rock landscape slope	2,220	SF	2.50	5,550	1.25	2,775	3.75	8,325
Rock retaining wall	155	LF	200.00	31,000	65.00	10,075	265.00	41,075
One year landscape maintenance and warranty	1	LOT	1000.00	1,000	1500.00	1,500	2500.00	2,500
SUBTOTAL:				\$ 142,674		\$ 69,145		\$ 211,819
Labor Premium Time	16.70%					11,547		11,547

TOTAL ESTIMATED COST:	\$ 142,674	\$ 80,692	\$ 223,366
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01 - SITE WORK	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
014 - Site Mechanical								

WATER SERVICE

Live tap including connection fee	1	EA	5000.00	5,000	1200.00	1,200	6200.00	6,200
Install 6" gate valve	2	EA	780.00	1,560	235.00	470	1015.00	2,030
2" HDPE water line in 12" diameter arctic pipe	90	LF	45.00	4,050	18.00	1,620	63.00	5,670
Arctic pipe fittings	5	EA	150.00	750	125.00	625	275.00	1,375
6" building connection and sleeve	1	EA	110.00	110	130.00	130	240.00	240
Concrete thrust blocks	2	EA	150.00	300	120.00	240	270.00	540
Test and disinfect piping	1	LOT	250.00	250	500.00	500	750.00	750

SANITARY SEWER

6" DI sewer line	85	LF	65.00	5,525	22.00	1,870	87.00	7,395
6" yard cleanout	1	EA	285.00	285	330.00	330	615.00	615
6" joints/couplings	10	EA	75.00	750	55.00	550	130.00	1,300
6" connection to service including connection fee	1	EA	3000.00	3,000	1000.00	1,000	4000.00	4,000
6" building connection and sleeve	1	EA	110.00	110	130.00	130	240.00	240
Pressure test piping	1	LOT	250.00	250	500.00	500	750.00	750

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01 - SITE WORK	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
014 - Site Mechanical								

STORM DRAINS

12" diameter PVC CPEP	175	LF	26.00	4,550	18.00	3,150	44.00	7,700
12" diameter joint/couplings	10	EA	55.00	550	80.00	800	135.00	1,350
Catch basin and grate with manhole	2	EA	3850.00	7,700	1920.00	3,840	5770.00	11,540
48" diameter x 72" manhole, cover and frame	1	EA	3600.00	3,600	1850.00	1,850	5450.00	5,450
Oil/water separator	1	EA	4875.00	4,875	2350.00	2,350	7225.00	7,225
Catch basin/manhole connections	6	EA	250.00	1,500	400.00	2,400	650.00	3,900
Test piping	1	LOT	250.00	250	500.00	500	750.00	750

FUEL OIL

5,000 gallon, double walled fuel tank with accessories	1	EA	38000.00	38,000	8500.00	8,500	46500.00	46,500
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Note: Fuel tank pad with Element 013 - Site Improvements.

Supply and return lines with valves	1	LOT	6500.00	6,500	6000.00	6,000	12500.00	12,500
Fuel for testing	500	GAL	6.00	3,000			6.00	3,000
Test and commission	1	LOT	250.00	250	600.00	600	850.00	850

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
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01 - SITE WORK 014 - Site Mechanical	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

TRENCHING FOR UTILITIES

Excavate and stockpile for utilities	595	CY			7.50	4,463	7.50	4,463
Bedding material	65	CY	28.00	1,820	13.00	845	41.00	2,665
Stockpiled backfill, compacted	595	CY			6.50	3,868	6.50	3,868
3" minus backfill, compacted	20	CY	24.00	480	10.50	210	34.50	690
Dewatering allowance (10% of excavation)	60	CY	4.40	264	6.50	390	10.90	654
6" PVC marker tape (all pipes)	260	LF	0.52	135	0.33	86	0.85	221
SUBTOTAL:				\$ 95,414		\$ 49,017		\$ 144,431
Labor Premium Time	16.70%					8,186		8,186
SUBTOTAL:				\$ 95,414		\$ 57,203		\$ 152,617
Subcontractor's Overhead and Profit on Material and Labor	20.00%			19,083		11,441		30,524
TOTAL ESTIMATED COST:				\$ 114,497		\$ 68,644		\$ 183,141

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

HMS Project No.: 20075

01 - SITE WORK 015 - Site Electrical	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

POWER

75 KVA pad mounted transformer	1	EA	10500.00	10,500	2800.00	2,800	13300.00	13,300
4" diameter rigid steel conduit	80	LF	34.50	2,760	35.00	2,800	69.50	5,560
208Y/120 volt conductors (4)	340	LF	10.65	3,621	4.55	1,547	15.20	5,168
3/4"x12'0" ground rods	2	EA	160.00	320	185.00	370	345.00	690
#1/0 bare copper ground wire	40	LF	2.80	112	2.00	80	4.80	192
Trenching and backfill including marker tape	80	LF	5.00	400	9.00	720	14.00	1,120
Test and tag	1	LOT	100.00	100	500.00	500	600.00	600

DATA/COM

2" diameter PVC buried conduit, including trenching (assumed)	85	LF	10.60	901	16.50	1,403	27.10	2,304
Data/comm/telephone cables	200	LF	3.50	700	2.00	400	5.50	1,100
Trench and backfill								
Test and tag	1	LOT	50.00	50	250.00	250	300.00	300

HMS Project No.: 20075

01 - SITE WORK 015 - Site Electrical	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

STANDBY GENERATOR

150 KW diesel generator in arctic enclosure	1	EA	52500.00	52,500	7500.00	7,500	60000.00	60,000
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Note: Remote annunciator, ATS, disconnect, etc. with building systems.

14"x24"x18" deep junction box with lockable cover	1	EA	390.00	390	250.00	250	640.00	640
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3" diameter RGS buried conduit	100	LF	24.50	2,450	26.40	2,640	50.90	5,090
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500 KCMIL conductors (5)	500	LF	13.47	6,735	5.07	2,535	18.54	9,270
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#1 ground wire (1)	120	LF	2.36	283	1.66	199	4.02	482
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3/4"x10'0" ground rods and copper ground wire	2	EA	95.00	190	220.00	440	315.00	630
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Generator grounding	1	LOT	150.00	150	300.00	300	450.00	450
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Test and commission system	1	LOT	100.00	100	500.00	500	600.00	600
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MONUMENT SIGN

3/4" diameter rigid steel conduit	90	LF	3.70	333	9.30	837	13.00	1,170
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#8 XHHW copper conductors	200	LF	0.85	170	1.05	210	1.90	380
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#10 copper ground	100	LF	0.55	55	0.85	85	1.40	140
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01 - SITE WORK	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
015 - Site Electrical								

MONUMENT SIGN (Continued)

Trench and backfill, including marker tape	90	LF	5.00	450	9.00	810	14.00	1,260
SUBTOTAL:				\$ 83,270		\$ 27,176		\$ 110,446
Labor Premium Time	16.70%					4,538		4,538
SUBTOTAL:				\$ 83,270		\$ 31,714		\$ 114,984
Subcontractor's Overhead and Profit on Material and Labor	20.00%			16,654		6,343		22,997

TOTAL ESTIMATED COST:	\$ 99,924	\$ 38,057	\$ 137,981
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02 - SUBSTRUCTURE	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
021 - Standard Foundations								
Excavate, backfill and dispose for foundations, walls and bases	1,025	CY	4.50	4,613	12.50	12,813	17.00	17,426
Concrete piling caps (40)	20	CY	550.00	11,000	95.00	1,900	645.00	12,900
Concrete pilasters	2	CY	550.00	1,100	120.00	240	670.00	1,340
Concrete grade beam	140	CY	550.00	77,000	90.00	12,600	640.00	89,600
8" foundation walls	125	CY	550.00	68,750	110.00	13,750	660.00	82,500
Concrete waste (5%)	15	CY	550.00	8,250	90.00	1,350	640.00	9,600
Pump concrete	305	CY	50.00	15,250			50.00	15,250
Bar reinforcement to piling caps	2,250	LBS	0.75	1,688	0.70	1,575	1.45	3,263
Bar reinforcement to grade beams	11,200	LBS	0.75	8,400	0.70	7,840	1.45	16,240
Bar reinforcement to walls	15,000	LBS	0.75	11,250	0.70	10,500	1.45	21,750
Formwork to piling caps	720	SF	2.20	1,584	5.90	4,248	8.10	5,832
Formwork to pilasters	267	SF	2.50	668	6.25	1,669	8.75	2,337
Formwork to grade beams	3,765	SF	2.20	8,283	5.70	21,461	7.90	29,744
Formwork to walls	10,040	SF	3.50	35,140	6.50	65,260	10.00	100,400
Membrane dampproofing	2,325	SF	2.10	4,883	2.75	6,394	4.85	11,277

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

HMS Project No.: 20075

02 - SUBSTRUCTURE	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
021 - Standard Foundations								
2" rigid insulation	1,860	SF	0.95	1,767	0.85	1,581	1.80	3,348
5/8"x6" embedded bolts, 32" o/c at walls	180	EA	2.20	396	10.30	1,854	12.50	2,250
ELEVATOR PIT								
Excavate backfill and dispose	27	CY	4.50	122	15.00	405	19.50	527
12" slab, pumped including waste	6	CY	550.00	3,300	95.00	570	645.00	3,870
8" walls	4	CY	550.00	2,200	120.00	480	670.00	2,680
Trowel, cure and finish slab	80	SF	0.40	32	1.30	104	1.70	136
Bar reinforcement	930	LBS	0.75	698	0.70	651	1.45	1,349
Formwork to walls and slab edge	324	SF	3.50	1,134	6.50	2,106	10.00	3,240
SUBTOTAL:				\$ 267,508		\$ 169,351		\$ 436,859
Labor Premium Time	16.70%					28,282		28,282
TOTAL ESTIMATED COST:				\$ 267,508		\$ 197,633		\$ 465,141

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

02 - SUBSTRUCTURE	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
022 - Slab on Grade								
6" D1 subbase, compacted	220	CY	28.00	6,160	12.00	2,640	40.00	8,800
10 mil vapor barrier	10,286	SF	0.15	1,543	0.30	3,086	0.45	4,629
6" concrete slab	190	CY	550.00	104,500	85.00	16,150	635.00	120,650
Concrete waste	10	CY	550.00	5,500	85.00	850	635.00	6,350
Pump concrete	200	CY	50.00	10,000			50.00	10,000
Trowel, cure and finish slabs	10,286	SF	0.40	4,114	1.30	13,372	1.70	17,486
Bar reinforcement to slab	14,250	LBS	0.70	9,975	0.70	9,975	1.40	19,950
SUBTOTAL:				\$ 141,792		\$ 46,073		\$ 187,865
Labor Premium Time	16.70%					7,694		7,694
TOTAL ESTIMATED COST:				\$ 141,792		\$ 53,767		\$ 195,559

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

02 - SUBSTRUCTURE	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
024 - Special Foundations								
16"x55'0" steel pilings (40)	2,200	VLF	58.00	127,600	85.00	187,000	143.00	314,600
Drill piling holes through boulders (10% assumed)	220	VLF	7.00	1,540	28.00	6,160	35.00	7,700
Drill 10'0" deep sockets for pilings	400	VLF	7.00	2,800	32.00	12,800	39.00	15,600
Grout pilings in sockets	30	CY	650.00	19,500	250.00	7,500	900.00	27,000
Pile driving equipment	1	MO	11500.00	11,500			11500.00	11,500
Pile driving equipment setup/demobilization	1	LOT	4500.00	4,500	9000.00	9,000	13500.00	13,500
Pile driving equipment downtime for shipping to/from job site	2	MOS	11500.00	23,000			11500.00	23,000
SUBTOTAL:				\$ 190,440		\$ 222,460		\$ 412,900
Labor Premium Time	16.70%					37,151		37,151
TOTAL ESTIMATED COST:				\$ 190,440		\$ 259,611		\$ 450,051

HMS Project No.: 20075

03 - SUPERSTRUCTURE	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
031 - Floor Construction								

SECOND FLOOR

T.S. columns, W-beams and steel joists	77,440	LBS	1.95	151,008	1.25	96,800	3.20	247,808
Miscellaneous connections, plates, bolts, etc. (15%)	11,615	LBS	2.10	24,392	1.50	17,423	3.60	41,815
4"x4"x1/8" deck edge angle	402	LF	9.05	3,638	8.35	3,357	17.40	6,995
2"x18 gauge steel decking	5,912	SF	3.70	21,874	1.70	10,050	5.40	31,924
Concrete topping, pumped including waste	48	CY	550.00	26,400	90.00	4,320	640.00	30,720
Trowel, cure and finish	5,912	SF	0.40	2,365	1.30	7,686	1.70	10,051
SUBTOTAL:				\$ 229,677		\$ 139,636		\$ 369,313
Labor Premium Time	16.70%					23,319		23,319

TOTAL ESTIMATED COST:	\$ 229,677	\$ 162,955	\$ 392,632
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CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

03 - SUPERSTRUCTURE	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
033 - Stair Construction								
Steel framing and joists	3,500	LBS	1.25	4,375	1.15	4,025	2.40	8,400
Concrete filled treads	50	EA	210.00	10,500	85.00	4,250	295.00	14,750
1 1/2" concrete filled landing	64	SF	45.00	2,880	22.50	1,440	67.50	4,320
1 1/2" diameter wall mounted handrails at stairs	50	LF	26.00	1,300	18.00	900	44.00	2,200
SUBTOTAL:				\$ 19,055		\$ 10,615		\$ 29,670
Labor Premium Time	16.70%					1,773		1,773
TOTAL ESTIMATED COST:				\$ 19,055		\$ 12,388		\$ 31,443

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

HMS Project No.: 20075

04 - EXTERIOR CLOSURE	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
041 - Exterior Walls								

WALLS

6" metal studs, 16" o/c including tracks	11,380	SF	1.25	14,225	1.55	17,639	2.80	31,864
6" batt insulation	11,380	LF	0.85	9,673	0.65	7,397	1.50	17,070
1/2" fiberglass mat gypsum sheathing	9,970	LF	0.75	7,478	1.50	14,955	2.25	22,433
Vapor retarder	11,380	SF	0.10	1,138	0.12	1,366	0.22	2,504
5/8" Type X gypboard	11,380	SF	0.70	7,966	1.65	18,777	2.35	26,743
4" rigid insulation	9,970	SF	2.45	24,427	1.10	10,967	3.55	35,394
Weather barrier	11,380	SF	0.40	4,552	0.75	8,535	1.15	13,087
Metal hat channel, 24" o/c	9,970	SF	0.50	4,985	1.95	19,442	2.45	24,427
Centria prefinished metal siding and trims	10,730	SF	16.00	171,680	6.80	72,964	22.80	244,644
CMU wainscot	1,410	SF	6.85	9,659	10.30	14,523	17.15	24,182
SUBTOTAL:				\$ 255,783		\$ 186,565		\$ 442,348
Labor Premium Time	16.70%					31,156		31,156

TOTAL ESTIMATED COST:				\$ 255,783		\$ 217,721		\$ 473,504
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HMS Project No.: 20075

04 - EXTERIOR CLOSURE	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
042 - Exterior Doors and Windows								

DOORS

3'0"x7'0" insulated hollow metal frame with fiberglass door assembly, complete	4	EA	2950.00	11,800	1450.00	5,800	4400.00	17,600
3'0"x7'0" insulated hollow metal door assembly, complete	3	EA	2200.00	6,600	885.00	2,655	3085.00	9,255
10'0"x10'0" insulated overhead doors with electric operator	4	EA	5200.00	20,800	1750.00	7,000	6950.00	27,800
8'0"x10'0" insulated overhead doors with electric operator	1	EA	4350.00	4,350	1480.00	1,480	5830.00	5,830

WINDOWS

Triple pane fiberglass windows	936	SF	65.00	60,840	18.00	16,848	83.00	77,688
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MISCELLANEOUS

1 3/4"x6" solid wood window sills	220	LF	8.70	1,914	5.20	1,144	13.90	3,058
Door/window flashing/trim	845	LF	3.25	2,746	2.50	2,113	5.75	4,859
Caulking and sealants (both sides)	1,690	LF	0.60	1,014	1.60	2,704	2.20	3,718

SUBTOTAL:				\$ 110,064		\$ 39,744		\$ 149,808
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Labor Premium Time	16.70%					6,637		6,637
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TOTAL ESTIMATED COST:				\$ 110,064		\$ 46,381		\$ 156,445
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CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

05 - ROOF SYSTEMS	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
051 - Roofing								

METAL ROOF

8 mil vapor barrier	16,198	SF	0.10	1,620	0.15	2,430	0.25	4,050
R-60 batt insulation	16,198	SF	2.20	35,636	2.45	39,685	4.65	75,321
Ice/water shield, entire roof	11,250	SF	0.90	10,125	0.70	7,875	1.60	18,000
24 gauge standing seam prefinished metal roofing	11,250	SF	6.75	75,938	6.15	69,188	12.90	145,126
Continuous metal gutter	500	LF	5.50	2,750	4.80	2,400	10.30	5,150
Metal downspouts	208	LF	5.50	1,144	4.15	863	9.65	2,007
Snow guards	499	LF	25.75	12,849	14.50	7,236	40.25	20,085

MISCELLANEOUS

Temporary fall protection railing	470	LF	3.85	1,810	3.20	1,504	7.05	3,314
SUBTOTAL:				\$ 141,872		\$ 131,181		\$ 273,053
Labor Premium Time	16.70%					21,907		21,907

TOTAL ESTIMATED COST:				\$ 141,872		\$ 153,088		\$ 294,960
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HMS Project No.: 20075

06 - INTERIOR CONSTRUCTION	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
061 - Partitions and Doors								

PARTITIONS

8" fully reinforced and grouted CMU partitions	2,800	SF	8.45	23,660	12.30	34,440	20.75	58,100
Extra for pointing both sides	5,600	SF			0.70	3,920	0.70	3,920
3 5/8" metal studs, 16" o/c including tracks	1,456	SF	1.10	1,602	1.20	1,747	2.30	3,349
6" metal studs, 16" o/c including tracks	16,700	SF	1.30	21,710	1.35	22,545	2.65	44,255
2"x6" blocking/backing for accessories, etc.	300	LF	0.85	255	1.30	390	2.15	645
5/8" Type X gypboard, each side	34,860	SF	0.70	24,402	1.65	57,519	2.35	81,921
4" sound batts	1,456	SF	0.55	801	0.35	510	0.90	1,311
6" sound batts	16,700	SF	0.70	11,690	0.40	6,680	1.10	18,370
Fire safing	500	LF	2.10	1,050	3.30	1,650	5.40	2,700
Acoustic sealants	2,760	LF	0.35	966	0.60	1,656	0.95	2,622
5/8" gypboard ceiling under side joists/trusses	16,198	SF	0.70	11,339	1.75	28,347	2.45	39,686
Level three bullet resistant paneling	400	SF	17.00	6,800	4.00	1,600	21.00	8,400

HMS Project No.: 20075

06 - INTERIOR CONSTRUCTION	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
061 - Partitions and Doors								

DOORS AND FRAMES

3'0"x7'0" hollow metal single door assembly, complete	52	EA	1205.00	62,660	525.00	27,300	1730.00	89,960
6'0"x7'0" hollow metal double door assembly, complete	1	EA	1775.00	1,775	750.00	750	2525.00	2,525
6'0"x7'0" bypass door assembly, complete	1	EA	900.00	900	350.00	350	1250.00	1,250
Extra for security hardware set	10	EA	585.00	5,850	320.00	3,200	905.00	9,050
Extra for solid grout door frame	10	EA	395.00	3,950	180.00	1,800	575.00	5,750

GLAZED RELITES

Tempered glazed relite in steel frame at entry, DMV and dispatch	145	SF	75.00	10,875	15.00	2,175	90.00	13,050
Tempered glazed windows in grouted steel frames	92	SF	85.00	7,820	15.00	1,380	100.00	9,200

MISCELLANEOUS

12"x12" access doors	4	EA	92.00	368	70.00	280	162.00	648
18"x18" access doors	2	EA	137.00	274	110.00	220	247.00	494

SUBTOTAL:

\$ 198,747

\$ 198,459

\$ 397,206

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06 - INTERIOR CONSTRUCTION	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
061 - Partitions and Doors								
Labor Premium Time		16.70%				33,143		33,143

TOTAL ESTIMATED COST:	\$ 198,747	\$ 231,602	\$ 430,349
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HMS Project No.: 20075

06 - INTERIOR CONSTRUCTION	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
062 - Interior Finishes								

FLOORS

Epoxy concrete sealer	4,750	SF	6.75	32,063	5.00	23,750	11.75	55,813
Ceramic tile	430	SF	10.75	4,623	7.20	3,096	17.95	7,719
Rubber tread flooring at stairs/landings	50	TRD	125.00	6,250	27.00	1,350	152.00	7,600
Commercial grade welded sheet vinyl flooring	2,250	SF	3.90	8,775	3.00	6,750	6.90	15,525
24"x24" carpet tile flooring	7,255	SF	4.85	35,187	1.35	9,794	6.20	44,981
Porcelain tile	495	SF	10.75	5,321	7.20	3,564	17.95	8,885
Walk-off mats at entries	120	SF	5.30	636	1.25	150	6.55	786
Wood base and wall trim	1,080	LF	5.25	5,670	2.70	2,916	7.95	8,586
4" rubber base	2,020	LF	2.00	4,040	1.50	3,030	3.50	7,070

WALLS

Sheet vinyl wainscot	1,620	SF	3.20	5,184	2.60	4,212	5.80	9,396
Epoxy paint at CMU walls	5,600	SF	1.10	6,160	1.75	9,800	2.85	15,960
Paint gypboard walls (partition and exterior)	34,860	SF	0.35	12,201	1.70	59,262	2.05	71,463

HMS Project No.: 20075

06 - INTERIOR CONSTRUCTION	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
062 - Interior Finishes								

CEILING

24"x24" suspended acoustical tile system with seismic bracings	12,065	SF	3.90	47,054	2.55	30,766	6.45	77,820
Paint gypboard ceilings/soffits	5,060	SF	0.35	1,771	1.75	8,855	2.10	10,626
Detention area ceiling framing	2,435	SF	1.85	4,505	1.60	3,896	3.45	8,401
3/4" CDX plywood in detention area	2,435	SF	1.10	2,679	0.95	2,313	2.05	4,992
5/8" Type X gypboard in detention area	2,435	SF	0.65	1,583	1.70	4,140	2.35	5,723

MISCELLANEOUS

Paint/stain doors and frames	3,620	SF	0.35	1,267	1.80	6,516	2.15	7,783
Paint/stain miscellaneous window, wall, etc. trims	1	LOT	350.00	350	1250.00	1,250	1600.00	1,600
Paint miscellaneous exposed metals/pipes, etc.	1	LOT	500.00	500	2000.00	2,000	2500.00	2,500

SUBTOTAL:				\$ 185,819		\$ 187,410		\$ 373,229
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Labor Premium Time	16.70%					31,297		31,297
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TOTAL ESTIMATED COST:				\$ 185,819		\$ 218,707		\$ 404,526
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HMS Project No.: 20075

06 - INTERIOR CONSTRUCTION	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
063 - Specialties								

TOILET PARTITIONS AND ACCESSORIES

Twin toilet paper roll holder	7	EA	43.00	301	30.00	210	73.00	511
Grab bar set	7	EA	148.00	1,036	100.00	700	248.00	1,736
3'0" shower curtain and rod	2	EA	78.00	156	30.00	60	108.00	216
Janitor mop strip	2	EA	87.00	174	35.00	70	122.00	244
Paper towel dispenser/disposal	7	EA	268.00	1,876	95.00	665	363.00	2,541
24"x36" mirror	7	EA	168.00	1,176	42.00	294	210.00	1,470
Soap dispenser	7	EA	57.00	399	28.00	196	85.00	595
Vandal resistant holding cells toilet accessories	8	RMS	775.00	6,200	280.00	2,240	1055.00	8,440

MISCELLANEOUS

Fire extinguisher, bracket mounted	2	EA	70.00	140	30.00	60	100.00	200
Fire extinguisher, cabinet mounted	6	EA	225.00	1,350	85.00	510	310.00	1,860
Door sign, ADA	66	EA	47.00	3,102	20.00	1,320	67.00	4,422
2"x2"x36"x16 gauge stainless steel corner guard	10	EA	59.00	590	35.00	350	94.00	940
4'0"x4'0" tack board	4	EA	138.00	552	40.00	160	178.00	712

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DATE: 7/27/2020

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06 - INTERIOR CONSTRUCTION	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
063 - Specialties								

MISCELLANEOUS (Continued)

24"x24"x72" pass thru evidence locker	5	EA	685.00	3,425	135.00	675	820.00	4,100
Pistol locker	12	EA	445.00	5,340	135.00	1,620	580.00	6,960
Incident, evidence and storage rooms shelving allowance	4	RMS	4500.00	18,000	2000.00	8,000	6500.00	26,000

BUILT-IN CASEWORK

36" deep dispatch counter with drawers under	30	LF	262.00	7,860	50.00	1,500	312.00	9,360
18" deep plastic laminate counters with drawers under	23	LF	125.00	2,875	35.00	805	160.00	3,680
24" deep countertop with back splash	65	LF	185.00	12,025	55.00	3,575	240.00	15,600
24" deep base cabinet	65	LF	175.00	11,375	40.00	2,600	215.00	13,975
12" deep wall cabinet	60	LF	140.00	8,400	35.00	2,100	175.00	10,500
Miscellaneous casework allowance (not identified yet)	1	LOT	5000.00	5,000	2000.00	2,000	7000.00	7,000

SUBTOTAL:				\$ 91,352		\$ 29,710		\$ 121,062
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Labor Premium Time	16.70%					4,962		4,962
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TOTAL ESTIMATED COST:				\$ 91,352		\$ 34,672		\$ 126,024
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CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

07 - CONVEYING SYSTEMS	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
8'0"x6'0"x8'0" cab two-stop hydraulic elevator complete with controls, finishes, etc.	1	EA	102000.00	102,000	32000.00	32,000	134000.00	134,000
City permits and testing	1	LOT	2500.00	2,500			2500.00	2,500
SUBTOTAL:				\$ 104,500		\$ 32,000		\$ 136,500
Labor Premium Time	16.70%					5,344		5,344
Subcontractor's Overhead and Profit on Material and Labor								Included Above
TOTAL ESTIMATED COST:				\$ 104,500		\$ 37,344		\$ 141,844

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

HMS Project No.: 20075

08 - MECHANICAL 082 - Plumbing	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
ADA wall hung water closet with electronic flush valve	7	EA	980.00	6,860	245.00	1,715	1225.00	8,575
ADA wall hung lavatory	7	EA	520.00	3,640	210.00	1,470	730.00	5,110
Janitor mop sink	2	EA	625.00	1,250	225.00	450	850.00	1,700
Single compartment, counter mounted sink	3	EA	625.00	1,875	235.00	705	860.00	2,580
Double compartment, counter mounted sink	1	EA	685.00	685	235.00	235	920.00	920
48"x36"x72" shower stall with controls, mixing valve and drain	1	EA	1750.00	1,750	610.00	610	2360.00	2,360
Floor sink	9	EA	450.00	4,050	170.00	1,530	620.00	5,580
Floor drain with trap primer	17	EA	195.00	3,315	190.00	3,230	385.00	6,545
Floor drain with sand trap at sally port and vehicle evidence	2	EA	340.00	680	210.00	420	550.00	1,100
Exterior non-frost hose bibs	2	EA	150.00	300	135.00	270	285.00	570
4" VTR	6	EA	125.00	750	175.00	1,050	300.00	1,800
Oil/water separator	1	EA	1850.00	1,850	270.00	270	2120.00	2,120
Dual height drinking fountain	1	EA	1350.00	1,350	330.00	330	1680.00	1,680

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

08 - MECHANICAL 082 - Plumbing	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
100 gallon electric hot water heater	1	EA	2975.00	2,975	750.00	750	3725.00	3,725
1/4 HP recirculation pump	1	EA	1020.00	1,020	250.00	250	1270.00	1,270
1/2 HP elevator sump pump	1	EA	770.00	770	215.00	215	985.00	985
Oil sensor and control panel	1	EA	650.00	650	290.00	290	940.00	940
1 1/4" tempering valve	1	EA	1975.00	1,975	275.00	275	2250.00	2,250
Plumbing rough-in for fixture	33	EA	660.00	21,780	975.00	32,175	1635.00	53,955
Plumbing rough-in for drain, bib, etc.	21	EA	330.00	6,930	540.00	11,340	870.00	18,270
Piping insulation and labels	1	LOT	3500.00	3,500	5500.00	5,500	9000.00	9,000
Test and disinfect piping	1	LOT	500.00	500	1000.00	1,000	1500.00	1,500
SUBTOTAL:				\$ 68,455		\$ 64,080		\$ 132,535
Labor Premium Time	16.70%					10,701		10,701
SUBTOTAL:				\$ 68,455		\$ 74,781		\$ 143,236
Subcontractor's Overhead and Profit on Material and Labor	20.00%			13,691		14,956		28,647
TOTAL ESTIMATED COST:				\$ 82,146		\$ 89,737		\$ 171,883

HMS Project No.: 20075

08 - MECHANICAL 083 - HVAC	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

HEATING

Fuel oil fired boiler, complete package	2	EA	6250.00	12,500	5000.00	10,000	11250.00	22,500
8" diameter flue	60	LF	25.00	1,500	24.00	1,440	49.00	2,940
2" thick insulation to flue	25	SF	2.10	53	5.00	125	7.10	178
Chimney top with storm collar	2	EA	145.00	290	110.00	220	255.00	510
Boiler control panel	1	EA	2850.00	2,850	935.00	935	3785.00	3,785
1 1/2 HP hydronic pump (size assumed)	2	EA	1752.00	3,504	908.00	1,816	2660.00	5,320
1/4 HP hydronic pump (size assumed)	2	EA	1175.00	2,350	300.00	600	1475.00	2,950
3 HP boiler circulation pump (size assumed)	2	EA	2035.00	4,070	1190.00	2,380	3225.00	6,450
44 gallon compression tank (size assumed)	1	EA	450.00	450	175.00	175	625.00	625
14 gallon expansion tank (size assumed)	1	EA	145.00	145	110.00	110	255.00	255
3" air separator	1	EA	2550.00	2,550	310.00	310	2860.00	2,860
72.5 MBH, fractional HP unit heater (size assumed)	1	EA	1054.00	1,054	600.00	600	1654.00	1,654
32.3 MBH, fractional HP unit heater (size assumed)	1	EA	640.00	640	510.00	510	1150.00	1,150

HMS Project No.: 20075

08 - MECHANICAL 083 - HVAC	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

HEATING (Continued)

16 MBH, fractional HP cabinet unit heater (size assumed)	2	EA	990.00	1,980	350.00	700	1340.00	2,680
Fin tube baseboard	400	LF	25.00	10,000	20.00	8,000	45.00	18,000
Hydronic heating distribution system	16,198	SF	6.05	97,998	3.75	60,743	9.80	158,741

VENTILATION

AHU-1: 8,000 CFM supply and 7,000 CFM return fan air handling unit	2	EA	48750.00	97,500	12500.00	25,000	61250.00	122,500
Zone coils	3	EA	1500.00	4,500	650.00	1,950	2150.00	6,450
Hydronic piping to zone coils	3	LOTS	660.00	1,980	975.00	2,925	1635.00	4,905
1,100 CFM, 1 HP central toilets and janitor exhaust fan	1	EA	2475.00	2,475	1250.00	1,250	3725.00	3,725
5,000 CFM exhaust fan for heat recovery	1	EA	8000.00	8,000	1800.00	1,800	9800.00	9,800
700 CFM heat recovery ventilator	1	EA	2000.00	2,000	550.00	550	2550.00	2,550
Wall mounted fan coil unit in sally port	2	EA	3000.00	6,000	1200.00	2,400	4200.00	8,400
800 CFM exhaust fan and controls at sally port	1	EA	4000.00	4,000	2000.00	2,000	6000.00	6,000
600 CFM range hood and fan	2	EA	445.00	890	220.00	440	665.00	1,330

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

HMS Project No.: 20075

08 - MECHANICAL 083 - HVAC	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

VENTILATION (Continued)

400 CFM exhaust fan	9	EA	445.00	4,005	150.00	1,350	595.00	5,355
Standard grilles and diffusers	85	EA	112.00	9,520	55.00	4,675	167.00	14,195
Sheetmetal ductwork and hangers	11,640	LBS	3.80	44,232	5.35	62,274	9.15	106,506
2" duct insulation	1,100	SF	2.40	2,640	3.15	3,465	5.55	6,105
Labels and tags	1	LOT	750.00	750	1500.00	1,500	2250.00	2,250

CONTROLS

DDC processor and programming	1	LOT	8500.00	8,500	2500.00	2,500	11000.00	11,000
Control point	100	EA	900.00	90,000	600.00	60,000	1500.00	150,000
Training and commissioning	60	HRS			160.00	9,600	160.00	9,600
6-month post construction visit	1	EA	1500.00	1,500	3000.00	3,000	4500.00	4,500

MISCELLANEOUS

Test, balance and commission mechanical system	100	HRS			160.00	16,000	160.00	16,000
Mobilization/demobilization, submittals, etc.	1	LOT	2000.00	2,000	8000.00	8,000	10000.00	10,000

SUBTOTAL:

\$ 432,426	\$ 299,343	\$ 731,769
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CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

08 - MECHANICAL 083 - HVAC	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
Labor Premium Time		16.70%				49,990		49,990
SUBTOTAL:				\$ 432,426		\$ 349,333		\$ 781,759
Subcontractor's Overhead and Profit on Material and Labor		20.00%		86,485		69,867		156,352
TOTAL ESTIMATED COST:				\$ 518,911		\$ 419,200		\$ 938,111

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

08 - MECHANICAL 084 - Fire Protection	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
4" double check backflow preventer	1	EA	4250.00	4,250	560.00	560	4810.00	4,810
4" riser with alarm and control valves	1	EA	2830.00	2,830	2250.00	2,250	5080.00	5,080
Fire department connection	1	EA	690.00	690	225.00	225	915.00	915
Wet pipe sprinkler system	15,493	SF	1.95	30,211	2.25	34,859	4.20	65,070
Dry head sprinkler system at sally port	705	SF	2.30	1,622	2.60	1,833	4.90	3,455
Compressor for dry pipe	1	EA	850.00	850	320.00	320	1170.00	1,170
Test and certify	1	LOT	200.00	200	900.00	900	1100.00	1,100
Design fee	1	LOT	5000.00	5,000			5000.00	5,000
SUBTOTAL:				\$ 45,653		\$ 40,947		\$ 86,600
Labor Premium Time	16.70%					6,838		6,838
SUBTOTAL:				\$ 45,653		\$ 47,785		\$ 93,438
Subcontractor's Overhead and Profit on Material and Labor	20.00%			9,131		9,557		18,688
TOTAL ESTIMATED COST:				\$ 54,784		\$ 57,342		\$ 112,126

HMS Project No.: 20075

08 - MECHANICAL	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
085 - Special Mechanical Systems								

FUEL OIL SYSTEM

Fuel oil day tank with remote duplex pumps in weatherproof enclosure and controls	1	EA	10500.00	10,500	2350.00	2,350	12850.00	12,850
Fuel control panel	1	EA	780.00	780	550.00	550	1330.00	1,330
3" deep liquid tight sheetmetal drip pan	2	EA	250.00	500	35.00	70	285.00	570
2" diameter black steel pipe vent with fittings and screened vent	20	LF	20.00	400	24.00	480	44.00	880
1" diameter black steel pipe	20	LF	8.00	160	12.00	240	20.00	400
3/4" diameter black steel pipe	40	LF	5.50	220	11.00	440	16.50	660
1" diameter black steel fitting	4	EA	8.25	33	40.00	160	48.25	193
3/4" diameter black steel fitting	8	EA	5.35	43	37.00	296	42.35	339
3/4" diameter check valve	2	EA	70.00	140	38.00	76	108.00	216
Fuel filter	2	EA	47.00	94	35.00	70	82.00	164
3/4" fuel/water filter separator	2	EA	420.00	840	110.00	220	530.00	1,060
3/4" diameter fusible shut-off valve	2	EA	60.00	120	60.00	120	120.00	240
3/4" diameter oil safety valve	2	EA	105.00	210	70.00	140	175.00	350

HMS Project No.: 20075

08 - MECHANICAL	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
085 - Special Mechanical Systems								

FUEL OIL SYSTEM (Continued)

3/4" diameter ball valve	2	EA	25.00	50	37.00	74	62.00	124
3/4" diameter drain valve	2	EA	32.00	64	28.00	56	60.00	120
Tiger loop equipment connection	2	EA	85.00	170	155.00	310	240.00	480
Test and certify system	1	LOT	50.00	50	250.00	250	300.00	300

SUBTOTAL:				\$ 14,374		\$ 5,902		\$ 20,276
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Labor Premium Time	16.70%					986		986
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SUBTOTAL:				\$ 14,374		\$ 6,888		\$ 21,262
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Subcontractor's Overhead and Profit on Material and Labor	20.00%			2,875		1,378		4,253
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TOTAL ESTIMATED COST:				\$ 17,249		\$ 8,266		\$ 25,515
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CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

09 - ELECTRICAL	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
092 - Service and Distribution								
800 amp meter base and socket	1	EA	3250.00	3,250	1300.00	1,300	4550.00	4,550
800 amp disconnect switch with shunt trip	1	EA	2350.00	2,350	720.00	720	3070.00	3,070
800 amp, 12 circuit main switchgear	1	EA	8200.00	8,200	2500.00	2,500	10700.00	10,700
800 amp automatic transfer switch	1	EA	13000.00	13,000	1700.00	1,700	14700.00	14,700
225 amp, 42 circuit subpanel with surge protection	5	EA	2630.00	13,150	1440.00	7,200	4070.00	20,350
2" diameter rigid steel conduit	40	LF	10.60	424	14.70	588	25.30	1,012
1 1/2" diameter rigid steel conduit	200	LF	8.05	1,610	12.50	2,500	20.55	4,110
1 1/4" diameter rigid steel conduit	60	LF	7.15	429	11.00	660	18.15	1,089
350 KCMIL copper conductors	200	LF	10.63	2,126	5.10	1,020	15.73	3,146
#4/0 XHHW copper conductors	800	LF	6.26	5,008	3.30	2,640	9.56	7,648
#1/0 XHHW copper conductors	200	LF	3.19	638	2.27	454	5.46	1,092
#3 XHHW copper conductors	120	LF	1.92	230	1.47	176	3.39	406
#3/0 bare copper ground	50	LF	4.40	220	2.64	132	7.04	352
#1 bare copper ground	30	LF	2.36	71	1.66	50	4.02	121
#2 bare copper ground	50	LF	1.95	98	1.32	66	3.27	164

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DATE: 7/27/2020

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09 - ELECTRICAL	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
092 - Service and Distribution								
#4 bare copper ground	300	LF	1.23	369	1.24	372	2.47	741
3/4" diameter x 10'0" copper ground rod	2	EA	63.00	126	150.00	300	213.00	426
Bus bar and equipment grounding system	1	LOT	1200.00	1,200	1650.00	1,650	2850.00	2,850
Test and tag	1	LOT	500.00	500	2000.00	2,000	2500.00	2,500
SUBTOTAL:				\$ 52,999		\$ 26,028		\$ 79,027
Labor Premium Time	16.70%					4,347		4,347
SUBTOTAL:				\$ 52,999		\$ 30,375		\$ 83,374
Subcontractor's Overhead and Profit on Material and Labor	20.00%			10,600		6,075		16,675
TOTAL ESTIMATED COST:				\$ 63,599		\$ 36,450		\$ 100,049

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

09 - ELECTRICAL 093 - Lighting and Power	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
Exterior building mounted LED fixture	8	EA	555.00	4,440	180.00	1,440	735.00	5,880
Sally port fixture	16	EA	290.00	4,640	120.00	1,920	410.00	6,560
Surface mounted LED fixtures at storages, etc.	25	EA	255.00	6,375	105.00	2,625	360.00	9,000
Wall mounted LED fixture at restrooms	8	EA	310.00	2,480	100.00	800	410.00	3,280
2'0"x2'0" LED troffer	130	EA	267.00	34,710	120.00	15,600	387.00	50,310
LED fixtures in detention areas	26	EA	900.00	23,400	190.00	4,940	1090.00	28,340
Miscellaneous task lighting	16	EA	205.00	3,280	100.00	1,600	305.00	4,880
LED exit sign	10	EA	200.00	2,000	125.00	1,250	325.00	3,250
Lighting control system	1	LOT	9000.00	9,000	6000.00	6,000	15000.00	15,000
Emergency egress lighting inverter system	1	LOT	2000.00	2,000	750.00	750	2750.00	2,750
Switches, devices, motor disconnects, connections, wiring, etc.	16,198	SF	6.75	109,337	6.00	97,188	12.75	206,525
Test and tag lighting and power	1	LOT	750.00	750	2000.00	2,000	2750.00	2,750
Mobilization/demobilization, submittals, etc.	1	LOT	2000.00	2,000	8000.00	8,000	10000.00	10,000
SUBTOTAL:				\$ 204,412		\$ 144,113		\$ 348,525

CITY OF UNALASKA POLICE STATION
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 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

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09 - ELECTRICAL 093 - Lighting and Power	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
Labor Premium Time		16.70%					24,067	24,067
SUBTOTAL:							\$ 204,412	\$ 168,180
Subcontractor's Overhead and Profit on Material and Labor		20.00%		40,882			33,636	74,518
TOTAL ESTIMATED COST:				\$ 245,294			\$ 201,816	\$ 447,110

HMS Project No.: 20075

09 - ELECTRICAL	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
094 - Special Electrical Systems								

UNINTERRUPTIBLE POWER SYSTEM (UPS)

10 KVA, 208Y/120 volt UPS equipment with 30 minutes back-up battery	1	EA	13000.00	13,000	6250.00	6,250	19250.00	19,250
UPS panel	1	EA	2200.00	2,200	950.00	950	3150.00	3,150
Conduit and conductors tied into normal power	1	LOT	1200.00	1,200	2300.00	2,300	3500.00	3,500

DATA/COMM SYSTEM

Headend equipment, racks, punch panels, switches, etc.	1	LOT	4500.00	4,500	2100.00	2,100	6600.00	6,600
Cable trays	100	LF	21.50	2,150	11.50	1,150	33.00	3,300
2-jack telecom combination outlet	40	EA	24.00	960	50.00	2,000	74.00	2,960
Wireless access point	8	EA	110.00	880	70.00	560	180.00	1,440
3/4" diameter EMT conduit	1,200	LF	1.35	1,620	5.15	6,180	6.50	7,800
Cat 6 cable	2,160	LF	0.38	821	0.70	1,512	1.08	2,333
Equipment for all dispatch and common office telephones	1	LOT	16500.00	16,500	5500.00	5,500	22000.00	22,000

HMS Project No.: 20075

09 - ELECTRICAL 094 - Special Electrical Systems	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

FIRE ALARM SYSTEM

Addressable fully automatic fire alarm system including conduit and signal wiring	16,198	SF	1.75	28,347	2.25	36,446	4.00	64,793
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CABLE TV SYSTEM

Cable TV system (allowance)	1	LOT	5000.00	5,000	7000.00	7,000	12000.00	12,000
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A/V SYSTEM

A/V system in training room (allowance)	1	LOT	15000.00	15,000	5000.00	5,000	20000.00	20,000
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DOOR ACCESS CONTROLS

Recording equipment at dispatch controller	1	LOT	5500.00	5,500	1200.00	1,200	6700.00	6,700
Security panel	1	EA	2350.00	2,350	1220.00	1,220	3570.00	3,570
Exterior doors proximity access card reader and door controller	7	EA	640.00	4,480	390.00	2,730	1030.00	7,210
Interior doors proximity access card reader and door controller	19	EA	570.00	10,830	335.00	6,365	905.00	17,195
Monitoring access point to work stations	15	EA	175.00	2,625	155.00	2,325	330.00	4,950
Conduit and wiring	42	LOTS	110.00	4,620	275.00	11,550	385.00	16,170

HMS Project No.: 20075

09 - ELECTRICAL	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
094 - Special Electrical Systems								

SURVEILLANCE CAMERAS

IP/Ethernet digital video recorder and monitors	1	LOT	3100.00	3,100	1450.00	1,450	4550.00	4,550
Designated network switch	1	EA	4500.00	4,500	1650.00	1,650	6150.00	6,150
Interior dome cameras tied into dispatch station	14	EA	1145.00	16,030	570.00	7,980	1715.00	24,010
Exterior weatherproof cameras	8	EA	1630.00	13,040	750.00	6,000	2380.00	19,040
Conduit, wiring and signal cables	24	LOTS	110.00	2,640	275.00	6,600	385.00	9,240

VIDEO VISITATION SYSTEM

Headend equipment	1	LOT	1175.00	1,175	345.00	345	1520.00	1,520
Camera	2	EA	825.00	1,650	210.00	420	1035.00	2,070
Wall mounted enclosure	2	EA	540.00	1,080	150.00	300	690.00	1,380
LCD display with enclosure	2	EA	1050.00	2,100	200.00	400	1250.00	2,500
Audio handset	2	EA	270.00	540	85.00	170	355.00	710
Conduit and conductors	100	LF	2.00	200	6.25	625	8.25	825

DETENTION CONTROL SYSTEM

Desk top based control system for doors, intercoms, lights, etc., complete	1	LOT	63000.00	63,000	15225.00	15,225	78225.00	78,225
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HMS Project No.: 20075

09 - ELECTRICAL	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
094 - Special Electrical Systems								

MISCELLANEOUS

Test and tag special systems	7	LOTS	250.00	1,750	650.00	4,550	900.00	6,300
SUBTOTAL:				\$ 233,388		\$ 148,053		\$ 381,441
Labor Premium Time	16.70%					24,725		24,725
SUBTOTAL:				\$ 233,388		\$ 172,778		\$ 406,166
Subcontractor's Overhead and Profit on Material and Labor	20.00%			46,678		34,556		81,234

TOTAL ESTIMATED COST:	\$ 280,066	\$ 207,334	\$ 487,400
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HMS Project No.: 20075

10 - EQUIPMENT	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
101 - Fixed and Movable Equipment								

APPLIANCES

Full size refrigerator	2	EA	1800.00	3,600	100.00	200	1900.00	3,800
Microwave oven	3	EA	320.00	960	30.00	90	350.00	1,050
Range with oven	2	EA	1200.00	2,400	100.00	200	1300.00	2,600
Operable partition in training room	18	LF	250.00	4,500	55.00	990	305.00	5,490
SUBTOTAL:				\$ 11,460		\$ 1,480		\$ 12,940
Labor Premium Time	16.70%					247		247

TOTAL ESTIMATED COST:				\$ 11,460		\$ 1,727		\$ 13,187
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CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

DATE: 7/27/2020

HMS Project No.: 20075

10 - EQUIPMENT	<i>QUANTITY</i>	<i>UNIT</i>	<i>MATERIAL</i>		<i>LABOR</i>		<i>TOTAL</i>	<i>TOTAL</i>
			<i>RATE</i>	<i>TOTAL</i>	<i>RATE</i>	<i>TOTAL</i>	<i>UNIT RATE</i>	<i>MATERIAL/LABOR</i>
			\$	\$	\$	\$	\$	\$
102 - Furnishings								
Manual roller shades	837	SF	10.50	8,789	3.50	2,930	14.00	11,719
Power roller shades at training room	75	SF	22.00	1,650	6.50	488	28.50	2,138
SUBTOTAL:				\$ 10,439		\$ 3,418		\$ 13,857
Labor Premium Time	16.70%					571		571
TOTAL ESTIMATED COST:				\$ 10,439		\$ 3,989		\$ 14,428

CITY OF UNALASKA POLICE STATION
 UNALASKA, ALASKA
 CONCEPTUAL DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE

HMS Project No.: 20075

11 - SPECIAL CONSTRUCTION	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

DETENTION CELLS

Maximum Security Systems prefabricated detention and holding cells	750	SF	250.00	187,500	Included		250.00	187,500
Detention furnishings	8	LOTS						Included
Detention lavatory/commode combination unit	8	EA						Included
Unit shower, complete	6	EA						Included
Extra for full electric door security system	8	EA	3000.00	24,000	500.00	4,000	3500.00	28,000
Extra for protective padding in secure holding cell	400	SF	35.00	14,000	15.00	6,000	50.00	20,000
Incidental material and labor by contractor for installation	750	SF	5.00	3,750	15.00	11,250	20.00	15,000
SUBTOTAL:				\$ 229,250		\$ 21,250		\$ 250,500
Labor Premium Time	16.70%					3,549		3,549

TOTAL ESTIMATED COST:	\$ 229,250	\$ 24,799	\$ 254,049
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HMS Project No.: 20075

12 - GENERAL REQUIREMENTS	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

MOBILIZATION/DEMOBILIZATION

Mobilize and set-up temporary facilities	1	LOT	3000.00	3,000	7000.00	7,000	10000.00	10,000
Remove temporaries and demobilize	1	LOT	2000.00	2,000	5000.00	5,000	7000.00	7,000
Barge freight for building materials, equipment, etc.	300	TONS	850.00	255,000	250.00	75,000	1100.00	330,000
Return equipment freight	50	TONS	850.00	42,500	250.00	12,500	1100.00	55,000
Miscellaneous air freight	2,500	LBS	1.25	3,125	0.25	625	1.50	3,750

SITE MANAGEMENT

Project manager (part-time)	240	HRS			115.00	27,600	115.00	27,600
Superintendent	12	MOS	200.00	2,400	14000.00	168,000	14200.00	170,400
Quality control								By Superintendent
Field engineering	40	HRS			160.00	6,400	160.00	6,400
Site offices/trailers	12	MOS	1050.00	12,600	250.00	3,000	1300.00	15,600
Clerical/time keeper	12	MOS	150.00	1,800	2750.00	33,000	2900.00	34,800
Expediting (part-time)	12	MOS	100.00	1,200	1500.00	18,000	1600.00	19,200
Estimating/scheduling (part-time)	12	MOS	100.00	1,200	750.00	9,000	850.00	10,200

HMS Project No.: 20075

12 - GENERAL REQUIREMENTS	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

TEMPORARY FACILITIES

Maintenance and cleaning of temporary facilities	12	MOS	50.00	600	350.00	4,200	400.00	4,800
Consumable supplies	12	MOS	600.00	7,200			600.00	7,200
Temporary utilities and communications	12	MOS	1750.00	21,000			1750.00	21,000
Temporary lighting and power	12	MOS	1500.00	18,000	150.00	1,800	1650.00	19,800
Fuel, oil and gas for equipment	12	MOS	2200.00	26,400			2200.00	26,400
Porta cans and maintenance	12	MOS	250.00	3,000	85.00	1,020	335.00	4,020
Dumpster (1)	12	MOS	400.00	4,800			400.00	4,800
Construction debris disposal	12	MOS	250.00	3,000	450.00	5,400	700.00	8,400

EQUIPMENT AND TOOLS

Construction equipment, trucks, pick-ups, cherry pickers, etc.	12	MOS	3850.00	46,200	500.00	6,000	4350.00	52,200
Compressors, saws, air tools, hand tools, safety hats and other expendables	12	MOS	1875.00	22,500	200.00	2,400	2075.00	24,900

MISCELLANEOUS

Miscellaneous materials testing	1	LOT	2500.00	2,500			2500.00	2,500
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HMS Project No.: 20075

12 - GENERAL REQUIREMENTS	<i>QUANTITY</i>	<i>UNIT</i>	<i>MATERIAL</i>		<i>LABOR</i>		<i>TOTAL</i>	<i>TOTAL</i>
			<i>RATE</i>	<i>TOTAL</i>	<i>RATE</i>	<i>TOTAL</i>	<i>UNIT RATE</i>	<i>MATERIAL/LABOR</i>
			\$	\$	\$	\$	\$	\$

Insurances		1.15%						121,985
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TOTAL ESTIMATED COST:	\$ 3,111,996
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HMS Project No.: 20075

13 - CONTINGENCIES	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

131 - ESTIMATOR'S CONTINGENCY

The estimator's allowance for architectural and engineering requirements that are not apparent at an early level of design documentation

20.00%

\$ 2,145,875

Unique market risk

3.50%

\$ 450,634

132 - ESCALATION CONTINGENCY

The allowance for escalation from the date of estimate to the proposed bid date of spring 2021 at the rate of 3.50% per annum (9 months)

2.63%

\$ 350,471

TOTAL ESTIMATED COST:

\$ 2,946,980

