

CONCEPT DESIGN SUBMITTAL
CONSTRUCTION COST ESTIMATE (REVISION 1)

NEW WILLOW LIBRARY AND COMMUNITY CENTER UPGRADE
WILLOW, ALASKA

PREPARED FOR:

Wolf Architecture
625 South Cobb Street, Suite 200
Palmer, Alaska 99645

January 19, 2016



HMS Project No.: 15168

NOTES REGARDING THE PREPARATION OF THIS ESTIMATE

DRAWINGS AND DOCUMENTS

Level of Documents: (9) concept design drawings and narratives
Date: 12/20/2015
Provided By: Wolf Architecture of Palmer, Alaska and their subconsultants of Anchorage and Wasilla, Alaska

RATES

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

Labor Rates: A.S. Title 36 prevailing working 50 hours per week
Premium Time: 10.00%

BIDDING ASSUMPTIONS

Contract: Standard construction contract without restrictive bidding clauses
Bidding Situation: Competitive bids assumed
Bid Date: Spring 2017
Start of Construction: Summer 2017
Months to Complete: Within (8) months completion time

EXCLUDED COSTS

1. A/E design fees
2. Administrative and management costs
3. Furniture, furnishings and equipment (FFE)
4. Remediation of 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. While the global economic downturn appears to be moderating, it remains unclear how its effects and subsequent economic recovery will affect construction costs. 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.

GROSS FLOOR AREA

	<u>NEW LIBRARY</u>	<u>EXISTING COMMUNITY CENTER</u>	<u>TOTAL</u>
Main Level	6,635 SF	10,415 SF	17,050 SF
Second Floor	<u>0 SF</u>	<u>3,324 SF</u>	<u>3,324 SF</u>
TOTAL GROSS FLOOR AREA:	<u>6,635 SF</u>	<u>13,739 SF</u>	<u>20,374 SF</u>

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CONCEPT DESIGN GENERAL COST SUMMARY (REVISION 1)

	<i>Total</i>	<i>Cost/SF</i>	<i>Area</i>
NEW REPLACEMENT WILLOW LIBRARY	\$ 2,828,863	\$ 426.35 /SF	6,635 SF
COMMUNITY CENTER UPGRADES	874,064	63.62 /SF	13,739 SF
TOTAL NEW REPLACEMENT WILLOW LIBRARY AND COMMUNITY CENTER UPGRADES:	\$ 3,702,927	\$ 181.75 /SF	20,374 SF

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**NEW REPLACEMENT WILLOW LIBRARY
CONCEPT DESIGN COST SUMMARY (REVISION 1)**

	<i>Material</i>	<i>Labor</i>	<i>Total</i>
01 - SITE WORK	\$ 105,529	\$ 130,845	\$ 236,374
02 - SUBSTRUCTURE	70,357	77,461	147,818
03 - SUPERSTRUCTURE	80,334	43,452	123,786
04 - EXTERIOR CLOSURE	108,153	80,688	188,841
05 - ROOF SYSTEMS	72,151	57,519	129,670
06 - INTERIOR CONSTRUCTION	153,913	116,406	270,319
07 - CONVEYING SYSTEMS	0	0	0
08 - MECHANICAL	266,007	223,396	489,403
09 - ELECTRICAL	101,355	128,166	229,521
10 - EQUIPMENT	59,107	19,636	78,743
11 - SPECIAL CONSTRUCTION	20,751	17,552	38,303
SUBTOTAL:	\$ 1,037,657	\$ 895,121	\$ 1,932,778
12 - GENERAL REQUIREMENTS		25.00%	483,195
SUBTOTAL:			\$ 2,415,973
13 - CONTINGENCIES		12.50%	301,997
SUBTOTAL:			\$ 2,717,970
14 - ESCALATION			
Escalation to Spring 2017 (14 Months)		4.08%	110,893
TOTAL ESTIMATED CONSTRUCTION COST:			\$ 2,828,863
COST PER SQUARE FOOT:			\$ 426.35 /SF
GROSS FLOOR AREA:			6,635 SF

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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>
01 - SITE WORK				\$ 236,374	\$ 35.63
011 - Demolition	\$ 907	\$ 26,587	\$ 27,494		4.14
012 - Site Preparation	13,150	20,507	33,657		5.07
013 - Site Improvements	29,290	29,017	58,307		8.79
014 - Site Mechanical	50,941	42,112	93,053		14.02
015 - Site Electrical	11,241	12,622	23,863		3.60
02 - SUBSTRUCTURE				\$ 147,818	\$ 22.28
021 - Standard Foundations	\$ 25,219	\$ 33,457	\$ 58,676		8.84
022 - Slab on Grade	30,859	24,212	55,071		8.30
023 - Basement	0	0	0		0.00
024 - Special Foundations	14,279	19,792	34,071		5.14
03 - SUPERSTRUCTURE				\$ 123,786	\$ 18.66
031 - Floor Construction	\$ 0	\$ 0	\$ 0		0.00
032 - Roof Construction	80,334	43,452	123,786		18.66
033 - Stair Construction	0	0	0		0.00
04 - EXTERIOR CLOSURE				\$ 188,841	\$ 28.46
041 - Exterior Walls	\$ 65,444	\$ 67,511	\$ 132,955		20.04
042 - Exterior Doors and Windows	42,709	13,177	55,886		8.42
05 - ROOF SYSTEMS				\$ 129,670	\$ 19.54
051 - Roofing	\$ 72,151	\$ 57,519	\$ 129,670		19.54
052 - Skylights	0	0	0		0.00
06 - INTERIOR CONSTRUCTION				\$ 270,319	\$ 40.74
061 - Partitions and Doors	\$ 36,174	\$ 32,876	\$ 69,050		10.41
062 - Interior Finishes	91,555	75,860	167,415		25.23
063 - Specialties	26,184	7,670	33,854		5.10

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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>
07 - CONVEYING SYSTEMS	\$ 0	\$ 0		\$ 0	\$ 0.00
08 - MECHANICAL				\$ 489,403	\$ 73.76
081 - Plumbing	\$ 31,604	\$ 27,722	\$ 59,326		8.94
082 - HVAC	157,677	153,877	311,554		46.96
083 - Fire Protection	63,777	38,720	102,497		15.45
084 - Special Mechanical Systems	12,949	3,077	16,026		2.42
09 - ELECTRICAL				\$ 229,521	\$ 34.59
091 - Service and Distribution	\$ 13,759	\$ 14,757	\$ 28,516		4.30
092 - Lighting and Power	63,976	72,077	136,053		20.51
093 - Special Electrical Systems	23,620	41,332	64,952		9.79
10 - EQUIPMENT				\$ 78,743	\$ 11.87
101 - Fixed and Movable Equipment	\$ 2,325	\$ 440	\$ 2,765		0.42
102 - Furnishings	56,782	19,196	75,978		11.45
11 - SPECIAL CONSTRUCTION	\$ 20,751	\$ 17,552		\$ 38,303	\$ 5.77
SUBTOTAL DIRECT WORK:	\$ 1,037,657	\$ 895,121		\$ 1,932,778	
12 - GENERAL REQUIREMENTS		25.00%		\$ 483,195	\$ 72.83
13 - CONTINGENCIES		12.50%		\$ 301,997	\$ 45.52
14 - ESCALATION		4.08%		\$ 110,893	\$ 16.71
TOTAL ESTIMATED CONSTRUCTION COST:				\$ 2,828,863	\$426.35 /SF
GROSS FLOOR AREA:					6,635 SF

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NEW REPLACEMENT WILLOW LIBRARY 01 - SITE WORK 011 - Demolition	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

SITE DEMOLITION

Saw cut and remove asphalt pavement, haul to recycle	1,200	SF			1.10	1,320	1.10	1,320
Remove miscellaneous walks, stoops, etc.	1	LOT			750.00	750	750.00	750

BUILDING

Demolish foundation	178	LF			14.75	2,626	14.75	2,626
Demolish existing library (3,050 SF)	36,600	LF			0.40	14,640	0.40	14,640
Temporary weather protection at existing community center	785	SF	0.20	157	0.75	589	0.95	746
Load and haul debris	10	LDS	75.00	750	150.00	1,500	225.00	2,250
Demolish slab on grade	3,050	SF			0.90	2,745	0.90	2,745
SUBTOTAL:				\$ 907		\$ 24,170		\$ 25,077
Labor Premium Time	10.00%					2,417		2,417

TOTAL ESTIMATED COST:				\$ 907		\$ 26,587		\$ 27,494
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NEW REPLACEMENT WILLOW LIBRARY 01 - SITE WORK 012 - Site Preparation	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

PREPARATION

Site survey and staking	3.00	AC	750.00	2,250	3250.00	9,750	4000.00	12,000
Erosion and pollution control at parking, etc.	0	SF						Not Required
SWPPP requirements and maintenance	1	LOT						Not Required
Traffic control (minimal)	1	LOT	250.00	250	750.00	750	1000.00	1,000
Construction fencing and gates	500	LF	10.50	5,250	4.80	2,400	15.30	7,650

EARTHWORK

Clear and grub and dispose, minimal	0.30	AC			3500.00	1,050	3500.00	1,050
Excavate average 12" deep overburden and dispose	145	CY			6.50	943	6.50	943
Import gravel fill	300	CY	18.00	5,400	7.50	2,250	25.50	7,650
Rough grade site	10,000	SF			0.15	1,500	0.15	1,500
Soil compaction tests								Included Above

SUBTOTAL:					\$ 13,150	\$ 18,643		\$ 31,793
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Labor Premium Time	10.00%					1,864		1,864
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TOTAL ESTIMATED COST:					\$ 13,150	\$ 20,507		\$ 33,657
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NEW REPLACEMENT WILLOW LIBRARY 01 - SITE WORK 013 - Site Improvements	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

CONCRETE WALKS/PLAZA/CURBS

2" D1 leveling course	12	CY	22.50	270	7.50	90	30.00	360
4" broom finish, mesh reinforced concrete walk with thickened edge at parking	1,600	SF	4.20	6,720	3.40	5,440	7.60	12,160
6" reinforced concrete utility pad (1)	94	SF					With Community Center	
Extra for ADA ramp with detectable strip	75	SF	2.05	154	2.90	218	4.95	372

AC PAVEMENT

4" D1 leveling course, compacted	63	CY	22.50	1,418	7.50	473	30.00	1,891
Finish grade	4,125	SF			0.20	825	0.20	825
2" AC pavement (54 tons)	4,125	SF	1.65	6,806	1.10	4,538	2.75	11,344
Asphalt tests								Included Above
4" striping at parking stalls	180	LF	0.40	72	0.35	63	0.75	135
Cross hatch markings	160	SF	0.70	112	0.65	104	1.35	216
Mark handicapped accessible symbols	2	EA	20.00	40	37.00	74	57.00	114
Traffic arrows	2	EA	20.00	40	37.00	74	57.00	114
ADA signs, posts and bases	2	EA	138.00	276	125.00	250	263.00	526

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

AC PAVEMENT (Continued)

Traffic signs, posts and bases	2	EA	165.00	330	135.00	270	300.00	600
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FURNISHINGS, ETC.

4'0" high metal panel fencing	34	LF	34.50	1,173	10.50	357	45.00	1,530
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Concrete filled pipe bollards and bases	4	EA						With Community Center
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LANDSCAPING

Concrete landscape walls	784	SF	10.05	7,879	14.80	11,603	24.85	19,482
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Landscaping allowance	1	LOT	4000.00	4,000	2000.00	2,000	6000.00	6,000
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Note: Remainder by owner.

SUBTOTAL:				\$ 29,290		\$ 26,379		\$ 55,669
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Labor Premium Time	10.00%					2,638		2,638
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TOTAL ESTIMATED COST:				\$ 29,290		\$ 29,017		\$ 58,307
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NEW REPLACEMENT WILLOW LIBRARY 01 - SITE WORK 014 - Site Mechanical	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

WATER

Drill and develop 6" diameter x 150'0" deep water well and test	1	EA	15500.00	15,500	12500.00	12,500	28000.00	28,000
6"x20" stainless steel well screen	1	EA	3750.00	3,750	525.00	525	4275.00	4,275
2" pitless adapter	1	EA	235.00	235	175.00	175	410.00	410
2 HP submersible pump	1	EA	2300.00	2,300	980.00	980	3280.00	3,280
Excavate and backfill for water line, including bedding	1,140	CY	2.85	3,249	8.50	9,690	11.35	12,939
2" diameter buried copper line to building	280	LF	30.50	8,540	5.95	1,666	36.45	10,206
Building connection	1	EA	120.00	120	190.00	190	310.00	310
Test and disinfect system	1	LOT	100.00	100	700.00	700	800.00	800

SEWER/SEPTIC SYSTEM

Excavate 10'6" deep and stockpile for drain field and stockpile	190	CY			5.20	988	5.20	988
6'0" deep washed drain rock	110	CY	31.00	3,410	7.50	825	38.50	4,235
Stockpiled backfill	190	CY			4.00	760	4.00	760
4" rigid insulation, (2) 2" layers	700	SF	1.80	1,260	1.00	700	2.80	1,960

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

SEWER/SEPTIC SYSTEM (Continued)

Geofabric	60	SY	2.05	123	1.10	66	3.15	189
4" diameter PVC piping	55	LF	7.45	410	5.45	300	12.90	710
4" diameter PVC perforated piping	160	LF	7.70	1,232	5.45	872	13.15	2,104
1,000 gallon septic tank	1	EA	2500.00	2,500	675.00	675	3175.00	3,175
4" PVC monitoring tube	1	EA	175.00	175	155.00	155	330.00	330
4" yard cleanout	1	EA	225.00	225	180.00	180	405.00	405
4" building connection and sleeve	1	EA	125.00	125	135.00	135	260.00	260
Test system	1	LOT	100.00	100	500.00	500	600.00	600

STORM DRAIN

Note: All drainage via sheet drainage.

FUEL OIL

1,500 gallon double wall fuel tank, skid mounted	1	EA						With Community Center
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SUBTOTAL:				\$ 43,354		\$ 32,582		\$ 75,936
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NEW WILLOW LIBRARY AND COMMUNITY CENTER UPGRADE
WILLOW, ALASKA
CONCEPT DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE (REVISION 1)

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NEW REPLACEMENT WILLOW LIBRARY 01 - SITE WORK 014 - Site Mechanical	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL	
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR	
			\$	\$	\$	\$	\$	\$	
Labor Premium Time		10.00%				3,258		3,258	
<i>SUBTOTAL:</i>							<u>\$ 43,354</u>	<u>\$ 35,840</u>	<u>\$ 79,194</u>
Subcontractor's Overhead and Profit on Material and Labor		17.50%		7,587		6,272		13,859	
TOTAL ESTIMATED COST:				<u>\$ 50,941</u>		<u>\$ 42,112</u>		<u>\$ 93,053</u>	

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

SERVICE TO BUILDING

Existing

SITE LIGHTING AND WELL PUMP POWER

7" diameter x 20'0" long driven pipe piles	2	EA	730.00	1,460	550.00	1,100	1280.00	2,560
18" diameter x 42" concrete base with (4) anchor bolts	2	EA	395.00	790	320.00	640	715.00	1,430
20'0" steel poles	2	EA	1075.00	2,150	520.00	1,040	1595.00	3,190
134 watt LED fixtures	2	EA	1535.00	3,070	420.00	840	1955.00	3,910
Trenching and backfill, including bedding	115	CY	2.25	259	9.20	1,058	11.45	1,317
1" diameter PVC conduit and fittings	560	LF	1.30	728	4.80	2,688	6.10	3,416
#10 XHHW copper wire	1,890	LF	0.30	567	0.75	1,418	1.05	1,985
#10 copper ground	630	LF	0.25	158	0.70	441	0.95	599
Weatherproof disconnect at well head, including power	1	EA	335.00	335	290.00	290	625.00	625

DATA/COMM

Existing

MISCELLANEOUS

Test and tag electrical	1	LOT	50.00	50	250.00	250	300.00	300
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SUBTOTAL:

\$ 9,567

\$ 9,765

\$ 19,332

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NEW REPLACEMENT WILLOW LIBRARY 01 - SITE WORK 015 - Site Electrical	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
Labor Premium Time		10.00%				977		977
SUBTOTAL:				\$ 9,567		\$ 10,742		\$ 20,309
Subcontractor's Overhead and Profit on Material and Labor		17.50%		1,674		1,880		3,554
TOTAL ESTIMATED COST:				\$ 11,241		\$ 12,622		\$ 23,863

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NEW REPLACEMENT WILLOW LIBRARY 02 - SUBSTRUCTURE 021 - Standard Foundations	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

FOUNDATIONS

Excavate and backfill	210	CY	3.30	693	7.50	1,575	10.80	2,268
Formwork to footings	946	SF	1.50	1,419	4.15	3,926	5.65	5,345
Formwork to 8" walls and piers	2,509	SF	1.90	4,767	4.80	12,043	6.70	16,810
Concrete footings	29	CY	135.00	3,915	70.00	2,030	205.00	5,945
Bar reinforcement to footings	2,465	LBS	0.70	1,726	0.65	1,602	1.35	3,328
8" concrete foundation walls and piers	33	CY	135.00	4,455	75.00	2,475	210.00	6,930
Bar reinforcement to concrete walls	1,110	LBS	0.70	777	0.65	722	1.35	1,499
Concrete waste (5%)	3	CY	150.00	450	75.00	225	225.00	675
Pump concrete	65	CY	45.00	2,925			45.00	2,925

MISCELLANEOUS

Membrane dampproofing to walls	1,098	SF	1.70	1,867	2.80	3,074	4.50	4,941
2" rigid insulation	999	SF	0.95	949	0.50	500	1.45	1,449
5/8"x10" anchor bolts, 24" o/c at walls	164	EA	5.90	968	7.70	1,263	13.60	2,231
HD-1: Simpson HD5B holddowns	14	EA	22.00	308	70.00	980	92.00	1,288

SUBTOTAL:

\$ 25,219

\$ 30,415

\$ 55,634

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NEW REPLACEMENT WILLOW LIBRARY 02 - SUBSTRUCTURE 021 - Standard Foundations	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

Labor Premium Time	10.00%					3,042		3,042
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TOTAL ESTIMATED COST:						\$ 25,219	\$ 33,457	\$ 58,676
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NEW REPLACEMENT WILLOW LIBRARY 02 - SUBSTRUCTURE 022 - Slab on Grade	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
Vapor barrier	6,635	SF	0.08	531	0.15	995	0.23	1,526
2" rigid insulation	6,635	SF	0.95	6,303	0.40	2,654	1.35	8,957
4" concrete slab	84	CY	135.00	11,340	65.00	5,460	200.00	16,800
Extra for thickened slab	4	CY	135.00	540	65.00	260	200.00	800
Cure and finish	6,635	SF	0.30	1,991	1.10	7,299	1.40	9,290
Bar reinforcement	7,820	LBS	0.70	5,474	0.65	5,083	1.35	10,557
Concrete waste (5%)	4	CY	135.00	540	65.00	260	200.00	800
Pump concrete	92	CY	45.00	4,140			45.00	4,140
SUBTOTAL:				\$ 30,859		\$ 22,011		\$ 52,870
Labor Premium Time	10.00%					2,201		2,201
TOTAL ESTIMATED COST:				\$ 30,859		\$ 24,212		\$ 55,071

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NEW REPLACEMENT WILLOW LIBRARY 02 - SUBSTRUCTURE 024 - Special Foundations	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

WATER HOLDING TANK

Excavate and stockpile	180	CY			4.90	882	4.90	882
Back fill and compact	85	CY			6.50	553	6.50	553
Formwork 12" slab on grade	56	SF	1.50	84	4.25	238	5.75	322
Formwork to 10" concrete walls	1,120	SF	2.25	2,520	5.20	5,824	7.45	8,344
Formwork to 10" elevated slab	192	SF	2.60	499	6.45	1,238	9.05	1,737
Extra for box out	14	SF	3.00	42	14.00	196	17.00	238
Bar reinforcement to slab on grade	1,785	LBS	0.70	1,250	0.65	1,160	1.35	2,410
Bar reinforcement to walls	2,180	LBS	0.70	1,526	0.65	1,417	1.35	2,943
Bar reinforcement to elevated slab	1,740	LBS	0.70	1,218	0.70	1,218	1.40	2,436
12" concrete slab on grade	7	CY	135.00	945	65.00	455	200.00	1,400
10" concrete walls	18	CY	135.00	2,430	75.00	1,350	210.00	3,780
10" elevated concrete slab	6	CY	135.00	810	75.00	450	210.00	1,260
Concrete waste (5%)	2	CY	135.00	270	70.00	140	205.00	410
Pump concrete	33	CY	28.00	924			28.00	924

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 02 - SUBSTRUCTURE 024 - Special Foundations	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

MISCELLANEOUS

Cure and finish slabs	384	SF	0.30	115	1.25	480	1.55	595
Water stop	56	LF	4.30	241	4.35	244	8.65	485
Waterproofing walls	672	SF	1.10	739	2.50	1,680	3.60	2,419
2" rigid insulation	560	SF	0.95	532	0.65	364	1.60	896
2" rigid insulation adhered to elevated slab	122	SF	1.10	134	0.85	104	1.95	238
SUBTOTAL:				\$ 14,279		\$ 17,993		\$ 32,272
Labor Premium Time	10.00%					1,799		1,799

TOTAL ESTIMATED COST:				\$ 14,279		\$ 19,792		\$ 34,071
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HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 03 - SUPERSTRUCTURE 032 - Roof Construction	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

LOW ROOF

2"x6" wood parapet framing	457	LF	0.80	366	1.65	754	2.45	1,120
1/2" plywood sheathing at parapet	208	SF	0.80	166	1.00	208	1.80	374
18" I-joist, 24" o/c	400	LF	5.60	2,240	1.80	720	7.40	2,960
1 3/4"x18" LVL rim joist	134	LF	9.26	1,241	5.25	704	14.51	1,945
Joist hangers	25	EA	1.90	48	3.40	85	5.30	133
3/4" CDX plywood sheathing	816	SF	1.10	898	1.20	979	2.30	1,877
Miscellaneous nailers and blocking	1	LOT	250.00	250	500.00	500	750.00	750

MAIN ROOF

5 1/8"x18" glulam beams	517	LF	21.40	11,064	11.55	5,971	32.95	17,035
6"x6" wood columns (7)	70	LF	3.60	252	5.25	368	8.85	620
18" I-joist, 24" o/c	3,543	LF	5.60	19,841	1.80	6,377	7.40	26,218
1 3/4"x8" LVL rim joist	679	LF	9.26	6,288	5.25	3,565	14.51	9,853
Joist hangers	42	EA	1.90	80	3.40	143	5.30	223
3/4" CDX plywood sheathing	7,169	SF	1.10	7,886	1.20	8,603	2.30	16,489
Miscellaneous nailers and blocking	1	LOT	350.00	350	675.00	675	1025.00	1,025

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 03 - SUPERSTRUCTURE 032 - Roof Construction	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

CANOPY ROOF

Column base	3	EA	25.00	75	40.00	120	65.00	195
8"x8" wood columns	24	LF	5.90	142	9.35	224	15.25	366
5 1/8"x18" glulam beams	32	LF	21.40	685	11.55	370	32.95	1,055
4"x6" rafters	192	LF	2.20	422	3.50	672	5.70	1,094
3/4" plywood sheathing	266	SF	1.10	293	1.10	293	2.20	586
Miscellaneous fasteners and connections	1	LOT	150.00	150	175.00	175	325.00	325

MISCELLANEOUS

30 ton crane and operator	4	WKS	6500.00	26,000	1500.00	6,000	8000.00	32,000
Special inspections								By Owner
Temporary shoring	7,985	SF	0.20	1,597	0.25	1,996	0.45	3,593
SUBTOTAL:				\$ 80,334		\$ 39,502		\$ 119,836
Labor Premium Time	10.00%					3,950		3,950

TOTAL ESTIMATED COST:	\$ 80,334	\$ 43,452	\$ 123,786
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HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 04 - EXTERIOR CLOSURE 041 - Exterior Walls	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
8" wood studs and plates	5,715	LF	1.15	6,572	2.25	12,859	3.40	19,431
4"x12" headers	92	LF	4.40	405	7.00	644	11.40	1,049
R-21 batt insulation	4,172	SF	0.65	2,712	0.45	1,877	1.10	4,589
6 mil vapor barrier	4,172	SF	0.08	334	0.15	626	0.23	960
5/8" gypboard	4,172	SF	0.60	2,503	1.50	6,258	2.10	8,761
1/2" CDX plywood	4,172	SF	0.80	3,338	0.95	3,963	1.75	7,301
Air infiltration barrier	4,172	SF	0.38	1,585	0.75	3,129	1.13	4,714
Pre-finished vertical metal siding and trim	2,362	SF	7.75	18,306	5.00	11,810	12.75	30,116
Pre-finished horizontal metal siding and trim	1,810	SF	7.25	13,123	4.90	8,869	12.15	21,992
Exterior wall system thermal upgrade (allowance)	1	LOT	15000.00	15,000	10000.00	10,000	25000.00	25,000
12" aluminum letters (Willow Public Library)	19	EA	64.00	1,216	31.00	589	95.00	1,805
Miscellaneous blocking and nailers	1	LOT	350.00	350	750.00	750	1100.00	1,100
SUBTOTAL:				\$ 65,444		\$ 61,374		\$ 126,818
Labor Premium Time	10.00%					6,137		6,137
TOTAL ESTIMATED COST:				\$ 65,444		\$ 67,511		\$ 132,955

HMS Project No.: 15168

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

DOORS

3'0"x7'0" insulated hollow metal frames	5	EA	180.00	900	85.00	425	265.00	1,325
3'0"x7'0" insulated hollow metal doors	2	EA	580.00	1,160	80.00	160	660.00	1,320
3'0"x7'0" insulated hollow metal doors, fully glazed	3	EA	1060.00	3,180	95.00	285	1155.00	3,465
Hardware to single doors	2	EA	425.00	850	295.00	590	720.00	1,440
Hardware to entry doors with panic hardware	3	EA	845.00	2,535	350.00	1,050	1195.00	3,585

WINDOWS

Fiberglass vinyl windows (11 each)	789	SF	42.00	33,138	10.50	8,285	52.50	41,423
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MISCELLANEOUS

Solid wood window sills	80	LF	6.25	500	2.90	232	9.15	732
Caulking and sealants	595	LF	0.75	446	1.60	952	2.35	1,398

SUBTOTAL:				\$ 42,709		\$ 11,979		\$ 54,688
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Labor Premium Time	10.00%					1,198		1,198
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TOTAL ESTIMATED COST:				\$ 42,709		\$ 13,177		\$ 55,886
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HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 05 - ROOF SYSTEMS 051 - Roofing	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

LOWER ROOF

6 mil vapor retarder	816	SF	0.08	65	0.12	98	0.20	163
(2) layers R-30 rigid insulation	816	SF	3.80	3,101	1.60	1,306	5.40	4,407
Extra for tapered insulated	408	SF	1.10	449	0.85	347	1.95	796
R-30 batt insulation	816	SF	1.05	857	0.70	571	1.75	1,428
5/8" ISO recovery board	816	SF	0.70	571	0.80	653	1.50	1,224
60 mil EPDM roofing	816	SF	1.95	1,591	2.10	1,714	4.05	3,305
60 mil EPDM roofing at parapets and side walls	335	SF	2.00	670	2.20	737	4.20	1,407
Wall flashing	51	LF	3.50	179	3.20	163	6.70	342
Parapet flashing	83	LF	5.70	473	3.50	291	9.20	764
Extra work at roof penetrations	1	LOT	75.00	75	175.00	175	250.00	250

MAIN ROOF

6 mil vapor retarder	7,169	SF	0.08	574	0.12	860	0.20	1,434
(2) layers R-30 rigid insulation	7,169	SF	3.80	27,242	1.60	11,470	5.40	38,712
Extra for tapered insulation	1,077	SF	1.10	1,185	0.85	915	1.95	2,100

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 05 - ROOF SYSTEMS 051 - Roofing	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

MAIN ROOF (Continued)

R-30 batt insulation	7,169	SF	1.05	7,527	0.70	5,018	1.75	12,545
5/8" ISO recovery board	7,169	SF	0.70	5,018	0.85	6,094	1.55	11,112
60 mil EPDM roofing	7,169	SF	1.95	13,980	2.10	15,055	4.05	29,035
60 mil EPDM roofing at eaves and walls	1,080	SF	2.00	2,160	2.20	2,376	4.20	4,536
Eave flashing	285	LF	6.25	1,781	3.90	1,112	10.15	2,893
2" seismic joint and cover at roof	78	LF	23.00	1,794	8.75	683	31.75	2,477
Extra work at roof penetrations	1	LOT	150.00	150	250.00	250	400.00	400

CANOPY ROOF

1/2" ISO recovery board	266	SF	0.60	160	0.75	200	1.35	360
60 mil EPDM roofing	266	SF	2.00	532	2.10	559	4.10	1,091
60 mil EPDM roofing at sidewalls	93	SF	2.00	186	2.20	205	4.20	391
Wall flashing	37	LF	3.50	130	3.20	118	6.70	248
Fascia flashing	52	LF	6.10	317	3.95	205	10.05	522
Scupper	1	EA	75.00	75	105.00	105	180.00	180

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 05 - ROOF SYSTEMS 051 - Roofing	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

MISCELLANEOUS

Temporary fall protection	374	LF	3.50	1,309	2.70	1,010	6.20	2,319
SUBTOTAL:				\$ 72,151		\$ 52,290		\$ 124,441
Labor Premium Time	10.00%					5,229		5,229

TOTAL ESTIMATED COST:	\$ 72,151	\$ 57,519	\$ 129,670
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HMS Project No.: 15168

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

PARTITIONS

2"x10" wood plates and studs, 16" o/c	1,020	LF	1.50	1,530	2.75	2,805	4.25	4,335
4" metal studs and tracks	3,381	SF	1.10	3,719	1.35	4,564	2.45	8,283
6" metal studs	871	SF	1.20	1,045	1.35	1,176	2.55	2,221
3 1/2" sound batt insulation	2,000	SF	0.60	1,200	0.35	700	0.95	1,900
5/8" Type X gypboard	8,507	SF	0.60	5,104	1.50	12,761	2.10	17,865
Extra for water resistant gypboard	880	SF	0.20	176			0.20	176
2"x blocking for backing	200	LF	1.20	240	1.75	350	2.95	590

DOORS

3'0"x7'0" hollow metal frames	11	EA	105.00	1,155	75.00	825	180.00	1,980
6'0"x7'0" hollow metal frame	1	EA	140.00	140	105.00	105	245.00	245
3'0"x7'0" hollow metal single doors	6	EA	420.00	2,520	65.00	390	485.00	2,910
3'0"x7'0" hollow metal single doors with full lite	4	EA	900.00	3,600	80.00	320	980.00	3,920
3'0"x7'0" hollow metal single door with half lite	1	EA	612.00	612	75.00	75	687.00	687
3'0"x7'0" hollow metal double doors	1	PR	840.00	840	130.00	130	970.00	970

HMS Project No.: 15168

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

DOORS (Continued)

8'0"x8'0" sliding barn door	1	EA	1795.00	1,795	550.00	550	2345.00	2,345
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DOOR HARDWARE

Double door hardware set	1	SET	980.00	980	355.00	355	1335.00	1,335
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Single door hardware sets	11	SETS	490.00	5,390	280.00	3,080	770.00	8,470
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Add for rated door and frame	1	EA	80.00	80			80.00	80
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RELITES

Interior relites and side lights in hollow metal frames	189	SF	32.00	6,048	9.00	1,701	41.00	7,749
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SUBTOTAL:				\$ 36,174		\$ 29,887		\$ 66,061
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Labor Premium Time	10.00%					2,989		2,989
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TOTAL ESTIMATED COST:				\$ 36,174		\$ 32,876		\$ 69,050
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HMS Project No.: 15168

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

FLOORS

Vinyl composition tiles	858	SF	2.80	2,402	1.75	1,502	4.55	3,904
Epoxy concrete sealer and hardener	234	SF	0.70	164	1.55	363	2.25	527
Carpet tile	5,009	SF	4.60	23,041	1.20	6,011	5.80	29,052
Ceramic tile	177	SF	8.15	1,443	9.25	1,637	17.40	3,080
4" rubber base	740	LF	1.25	925	1.30	962	2.55	1,887
Ceramic tile base	92	LF	7.20	662	8.75	805	15.95	1,467

WALLS

Paint gypboard walls, including exterior walls	8,880	SF	0.25	2,220	1.50	13,320	1.75	15,540
Ceramic tile wainscot	1,176	SF	7.45	8,761	8.45	9,937	15.90	18,698
Paint doors and frames	498	SF	0.30	149	1.60	797	1.90	946
Paint miscellaneous metals, etc.	1	LOT	250.00	250	750.00	750	1000.00	1,000

CEILINGS

5/8" gypboard ceiling system and framing	964	SF	1.70	1,639	3.10	2,988	4.80	4,627
5/8" gypboard and framing at soffits and bulkheads	1,510	SF	1.85	2,794	4.50	6,795	6.35	9,589

HMS Project No.: 15168

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

CEILINGS (Continued)

Suspended acoustic ceiling with seismic bracings	1,892	SF	2.80	5,298	2.30	4,352	5.10	9,650
Wood slat acoustical ceiling	3,295	SF	12.50	41,188	4.45	14,663	16.95	55,851
Paint gypboard ceilings and soffits	2,474	SF	0.25	619	1.65	4,082	1.90	4,701
SUBTOTAL:				\$ 91,555		\$ 68,964		\$ 160,519
Labor Premium Time	10.00%					6,896		6,896

TOTAL ESTIMATED COST:	\$ 91,555	\$ 75,860	\$ 167,415
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HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 06 - INTERIOR CONSTRUCTION 063 - Specialties	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

CASEWORK

24" deep base cabinets	9	LF	155.00	1,395	35.00	315	190.00	1,710
13" deep wall cabinets	9	LF	128.00	1,152	32.00	288	160.00	1,440
14" deep open wall shelving	60	LF	95.00	5,700	22.00	1,320	117.00	7,020
24" deep plastic laminate countertop	52	LF	80.00	4,160	25.00	1,300	105.00	5,460
'L' shaped check-in/out counter, 2 levels	25	LF	295.00	7,375	80.00	2,000	375.00	9,375

TOILET ACCESSORIES

Toilet paper holders	4	EA	35.00	140	28.00	112	63.00	252
Sanitary napkin receptacles	2	EA	177.00	354	86.00	172	263.00	526
18"x36" mirrors	3	EA	130.00	390	40.00	120	170.00	510
Towel dispensers	4	EA	69.00	276	30.00	120	99.00	396
Soap dispensers	4	EA	36.00	144	33.00	132	69.00	276
18" grab bars	2	EA	36.00	72	30.00	60	66.00	132
36" grab bars	2	EA	52.00	104	40.00	80	92.00	184
42" grab bars	2	EA	60.00	120	50.00	100	110.00	220

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 06 - INTERIOR CONSTRUCTION 063 - Specialties	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

TOILET ACCESSORIES (Continued)

Mop rack/shelving	1	EA	78.00	78	39.00	39	117.00	117
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MISCELLANEOUS

Signage allowance	1	LOT	3500.00	3,500	500.00	500	4000.00	4,000
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Fire extinguishers, bracket mounted	2	EA	75.00	150	25.00	50	100.00	200
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Fire extinguishers, cabinet mounted	2	EA	167.00	334	80.00	160	247.00	494
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4'0"x8'0" white board	1	EA	740.00	740	105.00	105	845.00	845
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Flat screen TV	1	EA						NIC
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SUBTOTAL:				\$ 26,184		\$ 6,973		\$ 33,157
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Labor Premium Time	10.00%					697		697
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TOTAL ESTIMATED COST:				\$ 26,184		\$ 7,670		\$ 33,854
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HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 08 - MECHANICAL 081 - Plumbing	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

FIXTURES AND EQUIPMENT

60 gallon water heater and controls including seismic restraint	1	EA	3800.00	3,800	950.00	950	4750.00	4,750
2.0 gallon expansion tank	1	EA	110.00	110	77.50	78	187.50	188
Water closets, ADA	2	EA	690.00	1,380	250.00	500	940.00	1,880
Water closets, standard	2	EA	620.00	1,240	270.00	540	890.00	1,780
Wall hung lavatories, ADA	3	EA	435.00	1,305	165.00	495	600.00	1,800
Kitchenette sink, single bowl	1	EA	565.00	565	170.00	170	735.00	735
Janitor sink	1	EA	645.00	645	205.00	205	850.00	850
Interior hose bibb	1	EA	47.00	47	77.50	78	124.50	125
Exterior hose bibbs	2	EA	145.00	290	170.00	340	315.00	630
4" diameter floor cleanouts	2	EA	187.00	374	84.00	168	271.00	542
4" diameter wall cleanouts	2	EA	310.00	620	62.00	124	372.00	744
2" diameter floor drains	4	EA	130.00	520	125.00	500	255.00	1,020
Trap primers	2	EA	267.00	534	95.00	190	362.00	724
Rough-ins for fixtures	9	EA	590.00	5,310	435.00	3,915	1025.00	9,225

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 08 - MECHANICAL 081 - Plumbing	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

FIXTURES AND EQUIPMENT (Continued)

Rough-ins for drains, hose bibbs, etc.	9	EA	365.00	3,285	310.00	2,790	675.00	6,075
Miscellaneous gauges and valves	1	LOT	800.00	800	500.00	500	1300.00	1,300

ROOF DRAINS

Roof drains	5	EA	245.00	1,225	180.00	900	425.00	2,125
Over flow drains with dams	5	EA	320.00	1,600	210.00	1,050	530.00	2,650
4" diameter ABS roof drain piping	80	LF	9.90	792	24.30	1,944	34.20	2,736
3" diameter ABS roof drain piping	120	LF	7.75	930	22.15	2,658	29.90	3,588
4" diameter fittings	10	EA	31.00	310	75.00	750	106.00	1,060
3" diameter fittings	15	EA	15.30	230	59.00	885	74.30	1,115
Bronze wall nozzle	1	EA	335.00	335	118.00	118	453.00	453

MISCELLANEOUS

Pipe guides, hangers, etc.	1	LOT	500.00	500	750.00	750	1250.00	1,250
Test and disinfect piping	1	LOT	150.00	150	850.00	850	1000.00	1,000

SUBTOTAL:

\$ 26,897	\$ 21,448	\$ 48,345
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HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 08 - MECHANICAL 081 - Plumbing	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
Labor Premium Time		10.00%				2,145		2,145
SUBTOTAL:				\$ 26,897		\$ 23,593		\$ 50,490
Subcontractor's Overhead and Profit on Material and Labor		17.50%		4,707		4,129		8,836
TOTAL ESTIMATED COST:				\$ 31,604		\$ 27,722		\$ 59,326

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 08 - MECHANICAL 082 - HVAC	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

HEATING

___ MBH oil fired boiler	1	EA	3890.00	3,890	2800.00	2,800	6690.00	6,690
Boiler controller	1	EA	1275.00	1,275	400.00	400	1675.00	1,675
6" diameter boiler flue and combustion air vent	20	LF	15.15	303	22.00	440	37.15	743
6" diameter vent and combustion air roof cap	1	EA	210.00	210	155.00	155	365.00	365
1 1/2" air separator with strainer	1	EA	870.00	870	130.00	130	1000.00	1,000
32 gallon, diaphragm type expansion tank	1	EA	1425.00	1,425	215.00	215	1640.00	1,640
6 gallon glycol mix tank and pump	1	EA	550.00	550	225.00	225	775.00	775
Glycol fluid	150	GALS	13.50	2,025	2.70	405	16.20	2,430
___ GPM, ___ head, 1/6 HP boiler circulation pump	1	EA	885.00	885	190.00	190	1075.00	1,075
___ GPM, ___ head, 3/4 HP hydronic pump	1	EA	1570.00	1,570	250.00	250	1820.00	1,820
9.2 MBH hydronic unit heaters	3	EA	470.00	1,410	155.00	465	625.00	1,875
5/8" PEX tubing, 9" o/c	9,295	LF	1.20	11,154	1.40	13,013	2.60	24,167
Tekmar panel	1	EA	1650.00	1,650	520.00	520	2170.00	2,170
Zone valves and manifolds	6	EA	570.00	3,420	355.00	2,130	925.00	5,550

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 08 - MECHANICAL 082 - HVAC	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

HEATING (Continued)

1 1/2" copper hydronic piping and fittings	70	LF	17.50	1,225	14.30	1,001	31.80	2,226
1 1/4" copper hydronic piping and fittings	60	LF	13.75	825	12.80	768	26.55	1,593
1" copper hydronic piping and fittings	40	LF	8.05	322	10.95	438	19.00	760
3/4" copper hydronic piping and fittings	220	LF	5.40	1,188	9.80	2,156	15.20	3,344
1 1/2" ball valves	8	EA	65.00	520	54.00	432	119.00	952
1 1/4" ball valves	2	EA	50.50	101	34.00	68	84.50	169
3/4" ball valves	10	EA	24.50	245	31.00	310	55.50	555
1 1/2" check valve	1	EA	189.00	189	54.00	54	243.00	243
1 1/2" balancing valve	1	EA	172.00	172	54.00	54	226.00	226
1 1/2" strainer	1	EA	105.00	105	54.00	54	159.00	159
Thermometers	5	EA	70.00	350	55.00	275	125.00	625
Pressure gauges	5	EA	95.00	475	55.00	275	150.00	750
1 1/2" thick insulation to 1 1/2" to 1 1/4" diameter piping	130	LF	5.20	676	7.50	975	12.70	1,651

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 08 - MECHANICAL 082 - HVAC	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

HEATING (Continued)

1 1/2" thick insulation to 1" to 3/4" diameter piping	260	LF	4.80	1,248	6.25	1,625	11.05	2,873
Pipe guides, hangers and sleeves	1	LOT	750.00	750	1000.00	1,000	1750.00	1,750
Pipe identification labels	1	LOT	150.00	150	450.00	450	600.00	600

VENTILATION

8,000 CFM roof mounted air handling unit	1	EA	31200.00	31,200	7600.00	7,600	38800.00	38,800
1,725 CFM roof mounted exhaust fan	1	EA	3380.00	3,380	1050.00	1,050	4430.00	4,430
150 CFM toilet exhaust fans	2	EA	280.00	560	175.00	350	455.00	910
4" to 6" exhaust roof vents	3	EA	115.00	345	200.00	600	315.00	945
10"x10" louvers with motorized damper	2	EA	148.00	296	95.00	190	243.00	486
30"x24" louvers with motorized dampers	2	EA	560.00	1,120	201.00	402	761.00	1,522
Sheetmetal ductwork and hangers	7,000	LBS	3.40	23,800	4.85	33,950	8.25	57,750
2" rigid insulation with vapor barrier	200	SF	2.40	480	2.55	510	4.95	990
Seismic restraints	1	LOT	250.00	250	1000.00	1,000	1250.00	1,250

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 08 - MECHANICAL 082 - HVAC	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

CONTROLS, TESTING AND BALANCING

Low voltage thermostats	2	EA	87.00	174	65.00	130	152.00	304
Low voltage thermostats with wire guard	6	EA	99.00	594	72.00	432	171.00	1,026
Direct digital controls system	6,635	SF	4.75	31,516	4.20	27,867	8.95	59,383
Test, balance and commission systems	50	HRS			150.00	7,500	150.00	7,500

MISCELLANEOUS

Mechanical mobilization, demobilization, submittals, etc.	1	LOT	1000.00	1,000	3500.00	3,500	4500.00	4,500
Equipment operations training	12	HRS			150.00	1,800	150.00	1,800
HVAC identification tags	1	LOT	300.00	300	900.00	900	1200.00	1,200

SUBTOTAL:				\$ 134,193		\$ 119,054		\$ 253,247
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Labor Premium Time	10.00%					11,905		11,905
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SUBTOTAL:				\$ 134,193		\$ 130,959		\$ 265,152
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Subcontractor's Overhead and Profit on Material and Labor	17.50%			23,484		22,918		46,402
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TOTAL ESTIMATED COST:				\$ 157,677		\$ 153,877		\$ 311,554
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HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 08 - MECHANICAL 083 - Fire Protection	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
250 GPM electric fire pump and controls	1	EA	15000.00	15,000	3545.00	3,545	18545.00	18,545
Jockey pump and controls	1	EA	2475.00	2,475	620.00	620	3095.00	3,095
CP-9: 10 GPM, 100'0" head, 1/2 HP fire water circulation pump	1	EA	810.00	810	225.00	225	1035.00	1,035
1 1/4" double check valve assembly	1	EA	865.00	865	62.00	62	927.00	927
6" diameter steel pipe, flanged	20	LF	59.50	1,190	74.50	1,490	134.00	2,680
8" diameter steel pipe, flanged	20	LF	97.00	1,940	97.80	1,956	194.80	3,896
2" diameter copper pipe	10	LF	22.50	225	14.75	148	37.25	373
1 1/4" diameter copper pipe	16	LF	11.50	184	10.70	171	22.20	355
1 1/4" valve	1	EA	88.00	88	48.00	48	136.00	136
2" valve	1	EA	173.00	173	69.00	69	242.00	242
6" valves	5	EA	1225.00	6,125	620.00	3,100	1845.00	9,225
6" check valves	2	EA	1100.00	2,200	620.00	1,240	1720.00	3,440
2" check valve	1	EA	173.00	173	69.00	69	242.00	242
6" sprinkler riser with alarms	1	LOT	2400.00	2,400	1900.00	1,900	4300.00	4,300
Fire department connection	1	EA	650.00	650	220.00	220	870.00	870

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 08 - MECHANICAL 083 - Fire Protection	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
Wet pipe sprinkler system	6,635	SF	1.70	11,280	2.10	13,934	3.80	25,214
Preaction heads and piping at main canopy	2	EA	225.00	450	155.00	310	380.00	760
Test and certify	1	LOT	250.00	250	850.00	850	1100.00	1,100
Design fee	1	LOT	7800.00	7,800			7800.00	7,800
SUBTOTAL:				\$ 54,278		\$ 29,957		\$ 84,235
Labor Premium Time	10.00%					2,996		2,996
SUBTOTAL:				\$ 54,278		\$ 32,953		\$ 87,231
Subcontractor's Overhead and Profit on Material and Labor	17.50%			9,499		5,767		15,266
TOTAL ESTIMATED COST:				\$ 63,777		\$ 38,720		\$ 102,497

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 08 - MECHANICAL 084 - Special Mechanical Systems	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

FUEL SYSTEM

DT-1: 50 gallon day tank with controls and pump	1	EA	10500.00	10,500	1150.00	1,150	11650.00	11,650
3/4" fuel piping	30	LF	4.50	135	13.20	396	17.70	531
Fuel valves and connections to boiler	1	EA	335.00	335	485.00	485	820.00	820
Testing	1	LOT	50.00	50	350.00	350	400.00	400
SUBTOTAL:				\$ 11,020		\$ 2,381		\$ 13,401
Labor Premium Time	10.00%					238		238
SUBTOTAL:				\$ 11,020		\$ 2,619		\$ 13,639
Subcontractor's Overhead and Profit on Material and Labor	17.50%			1,929		458		2,387
TOTAL ESTIMATED COST:				\$ 12,949		\$ 3,077		\$ 16,026

NEW WILLOW LIBRARY AND COMMUNITY CENTER UPGRADE
WILLOW, ALASKA
CONCEPT DESIGN SUBMITTAL CONSTRUCTION COST ESTIMATE (REVISION 1)

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 09 - ELECTRICAL 091 - Service and Distribution	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

Note: Connected to existing service in Community Center.

225 amp subpanel, 120/208 volt, 3 phase, 4 wire, 42 circuit	2	EA	2850.00	5,700	2390.00	4,780	5240.00	10,480
2 1/2" diameter EMT conduit	130	LF	13.25	1,723	13.75	1,788	27.00	3,511
#4/0 XHHW copper conductors	560	LF	6.00	3,360	3.00	1,680	9.00	5,040
#4 copper ground wire	140	LF	1.05	147	0.85	119	1.90	266
Equipment grounding	1	LOT	350.00	350	850.00	850	1200.00	1,200
Grounding connections	10	EA	18.00	180	85.00	850	103.00	1,030
Test and tag service	1	LOT	250.00	250	1350.00	1,350	1600.00	1,600
SUBTOTAL:				\$ 11,710		\$ 11,417		\$ 23,127
Labor Premium Time	10.00%					1,142		1,142
SUBTOTAL:				\$ 11,710		\$ 12,559		\$ 24,269
Subcontractor's Overhead and Profit on Material and Labor	17.50%			2,049		2,198		4,247
TOTAL ESTIMATED COST:				\$ 13,759		\$ 14,757		\$ 28,516

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 09 - ELECTRICAL 092 - Lighting and Power	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

FIXTURES

2'0"x4'0" recessed LED fixtures	40	EA	315.00	12,600	120.00	4,800	435.00	17,400
2'0"x4'0" pendant mounted LED fixtures	36	EA	345.00	12,420	135.00	4,860	480.00	17,280
6" diameter round LED downlights	16	EA	210.00	3,360	95.00	1,520	305.00	4,880
Low profile LED fixtures at mechanical rooms, storage rooms, etc.	14	EA	155.00	2,170	110.00	1,540	265.00	3,710
2'0" under cabinet fluorescent fixtures	3	EA	85.00	255	80.00	240	165.00	495
Low profile LED fixtures, wet label	6	EA	175.00	1,050	110.00	660	285.00	1,710
12" round, 17 watt LED canopy lights	10	EA	245.00	2,450	115.00	1,150	360.00	3,600
Wall mounted exterior 17 watt LED fixtures	6	EA	325.00	1,950	110.00	660	435.00	2,610
Wall mounted LED exit signs with battery backup	4	EA	145.00	580	110.00	440	255.00	1,020
Double head emergency LED light fixtures	6	EA	267.00	1,602	135.00	810	402.00	2,412
Emergency battery pack with remote head	2	EA	280.00	560	155.00	310	435.00	870
30 amp, 4 pole mechanically held lighting contactor and photocell for exterior lighting	1	EA	445.00	445	225.00	225	670.00	670

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 09 - ELECTRICAL 092 - Lighting and Power	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

DEVICES

Single pole switches	6	EA	14.00	84	40.00	240	54.00	324
Three-way switches	2	EA	27.00	54	50.00	100	77.00	154
Occupancy sensor switches	5	EA	70.00	350	50.00	250	120.00	600
Occupancy sensors, ceiling mounted	4	EA	120.00	480	60.00	240	180.00	720
Dimmer switches	4	EA	54.00	216	50.00	200	104.00	416
Duplex outlets	40	EA	14.00	560	40.00	1,600	54.00	2,160
Duplex outlets, GFCI	8	EA	19.00	152	50.00	400	69.00	552
Duplex outlets, floor mounted	8	EA	145.00	1,160	110.00	880	255.00	2,040
Double duplex outlets	10	EA	24.00	240	60.00	600	84.00	840
Duplex outlets, GFCI, weatherproof	4	EA	34.00	136	80.00	320	114.00	456
Fractional motor connections	16	EA	48.00	768	75.00	1,200	123.00	1,968
Boiler shutdown pushbutton switch	1	EA	70.00	70	65.00	65	135.00	135
2.0 HP, three phase motor connection and disconnect switch	3	EA	105.00	315	130.00	390	235.00	705

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 09 - ELECTRICAL 092 - Lighting and Power	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

DEVICES (Continued)

7.5 HP, three phase motor connections and disconnect switch	1	EA	145.00	145	155.00	155	300.00	300
Combination starter/disconnect switch	1	EA	250.00	250	110.00	110	360.00	360
Junction boxes	10	EA	6.00	60	20.00	200	26.00	260
1" diameter EMT conduit	600	LF	2.35	1,410	7.20	4,320	9.55	5,730
3/4" diameter EMT conduit	850	LF	1.35	1,148	6.40	5,440	7.75	6,588
1/2" diameter EMT conduit	1,400	LF	1.00	1,400	4.83	6,762	5.83	8,162
#8 XHHW conductor (5)	3,000	LF	0.54	1,620	0.83	2,490	1.37	4,110
#10 XHHW conductor (5)	4,250	LF	0.35	1,488	0.75	3,188	1.10	4,676
#12 XHHW conductor (5)	7,000	LF	0.25	1,750	0.60	4,200	0.85	5,950

MISCELLANEOUS

Test and tag lighting and power	1	LOT	150.00	150	1500.00	1,500	1650.00	1,650
Electrical mobilization, demobilization and submittals, etc.	1	LOT	1000.00	1,000	2500.00	2,500	3500.00	3,500
Equipment operations training	8	HRS			150.00	1,200	150.00	1,200

SUBTOTAL:

\$ 54,448

\$ 55,765

\$ 110,213

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 09 - ELECTRICAL 092 - Lighting and Power	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
Labor Premium Time		10.00%				5,577		5,577
SUBTOTAL:								
				\$ 54,448		\$ 61,342		\$ 115,790
Subcontractor's Overhead and Profit on Material and Labor		17.50%		9,528		10,735		20,263
TOTAL ESTIMATED COST:				\$ 63,976		\$ 72,077		\$ 136,053

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 09 - ELECTRICAL 093 - Special Electrical Systems	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

ADDRESSABLE FIRE ALARM SYSTEM

Addressable fire alarm control panel with battery back-up	1	EA	4805.00	4,805	1325.00	1,325	6130.00	6,130
Digital alarm communicator transmitter (DACT)	1	EA					With Fire Alarm Control Panel	
Manual pull stations	5	EA	125.00	625	90.00	450	215.00	1,075
Photoelectric smoke detectors	10	EA	225.00	2,250	120.00	1,200	345.00	3,450
Strobes only	4	EA	145.00	580	90.00	360	235.00	940
Horns/strobes	12	EA	112.00	1,344	125.00	1,500	237.00	2,844
Power and connection to DDC system	1	LOT	120.00	120	185.00	185	305.00	305
1" to 3/4" diameter EMT conduit	2,000	LF	1.80	3,600	5.45	10,900	7.25	14,500
#14 THHN alarm wiring	4,100	LF	0.15	615	0.60	2,460	0.75	3,075

TELECOM SYSTEMS

Equipment racks including plug strip and grounding							With Community Center Building	
4-port data/comm outlets	30	EA	24.00	720	60.00	1,800	84.00	2,520
Data/comm floor outlets	10	EA	69.00	690	85.00	850	154.00	1,540

HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 09 - ELECTRICAL 093 - Special Electrical Systems	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

TELECOM SYSTEMS (Continued)

J-hooks	425	EA	0.60	255	1.20	510	1.80	765
1 1/4" diameter EMT conduit	350	LF	3.85	1,348	8.25	2,888	12.10	4,236
Cat 6 cables	7,500	LF	0.40	3,000	0.70	5,250	1.10	8,250

MISCELLANEOUS

Equipment training	8	HRS			150.00	1,200	150.00	1,200
Test and tag systems	1	LOT	150.00	150	1100.00	1,100	1250.00	1,250

SUBTOTAL:				\$ 20,102		\$ 31,978		\$ 52,080
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Labor Premium Time	10.00%					3,198		3,198
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SUBTOTAL:				\$ 20,102		\$ 35,176		\$ 55,278
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Subcontractor's Overhead and Profit on Material and Labor	17.50%			3,518		6,156		9,674
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TOTAL ESTIMATED COST:				\$ 23,620		\$ 41,332		\$ 64,952
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HMS Project No.: 15168

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

APPLIANCES

Under counter refrigerator at kitchenette	1	EA	450.00	450	50.00	50	500.00	500
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MISCELLANEOUS

Library book drop/depository box	1	EA	1875.00	1,875	350.00	350	2225.00	2,225
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SUBTOTAL:				\$ 2,325		\$ 400		\$ 2,725
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Labor Premium Time	10.00%					40		40
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TOTAL ESTIMATED COST:				\$ 2,325		\$ 440		\$ 2,765
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HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 10 - EQUIPMENT 102 - Furnishings	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

LIBRARY STACKS, ETC.

Catalog stations	2	EA	3275.00	6,550	280.00	560	3555.00	7,110
12" deep x 60" high single face stacks with end panels	354	LF	87.00	30,798	34.00	12,036	121.00	42,834
12" deep x 42" high single face stacks with end panels	137	LF	70.00	9,590	25.00	3,425	95.00	13,015

MISCELLANEOUS

Manual Mecho roller shades at exterior windows	789	SF	10.20	8,048	1.50	1,184	11.70	9,232
Interior window vertical blinds	189	SF	9.50	1,796	1.30	246	10.80	2,042

SUBTOTAL:				\$ 56,782		\$ 17,451		\$ 74,233
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Labor Premium Time	10.00%					1,745		1,745
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TOTAL ESTIMATED COST:				\$ 56,782		\$ 19,196		\$ 75,978
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HMS Project No.: 15168

NEW REPLACEMENT WILLOW LIBRARY 11 - SPECIAL CONSTRUCTION	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

FIREPLACE

Polished concrete hearth	12	SF	55.00	660	90.00	1,080	145.00	1,740
Fireplace and mantel with glass doors	1	EA	17000.00	17,000	12500.00	12,500	29500.00	29,500
SUBTOTAL:				\$ 17,660		\$ 13,580		\$ 31,240
Labor Premium Time	10.00%					1,358		1,358
SUBTOTAL:				\$ 17,660		\$ 14,938		\$ 32,598
Subcontractor's Overhead and Profit on Material and Labor	17.50%			3,091		2,614		5,705

TOTAL ESTIMATED COST:	\$ 20,751	\$ 17,552	\$ 38,303
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HMS Project No.: 15168

COMMUNITY CENTER UPGRADES
CONCEPT DESIGN COST SUMMARY (REVISION 1)

	<i>Material</i>	<i>Labor</i>	<i>Total</i>
01 - SITE WORK	\$ 44,636	\$ 71,111	\$ 115,747
02 - SUBSTRUCTURE	1,086	976	2,062
03 - SUPERSTRUCTURE	4,072	4,963	9,035
04 - EXTERIOR CLOSURE	55,670	43,549	99,219
05 - ROOF SYSTEMS	7,445	11,237	18,682
06 - INTERIOR CONSTRUCTION	56,394	67,587	123,981
07 - CONVEYING SYSTEMS	0	0	0
08 - MECHANICAL	51,322	61,341	112,663
09 - ELECTRICAL	64,801	38,019	102,820
10 - EQUIPMENT	0	0	0
11 - SPECIAL CONSTRUCTION	0	0	0
SUBTOTAL:	\$ 285,426	\$ 298,783	\$ 584,209
12 - GENERAL REQUIREMENTS	25.00%		146,052
SUBTOTAL:			\$ 730,261
13 - CONTINGENCIES	15.00%		109,539
SUBTOTAL:			\$ 839,800
14 - ESCALATION			
Escalation to Spring 2017 (14 Months)	4.08%		34,264
TOTAL ESTIMATED CONSTRUCTION COST:			\$ 874,064
COST PER SQUARE FOOT:			\$ 63.62 /SF
GROSS FLOOR AREA:			13,739 SF

HMS Project No.: 15168

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				\$ 115,747	\$ 8.42
011 - Demolition	\$ 375	\$ 36,639	\$ 37,014		2.69
012 - Site Preparation	0	0	0		0.00
013 - Site Improvements	22,911	22,073	44,984		3.27
014 - Site Mechanical	21,350	12,399	33,749		2.46
015 - Site Electrical	0	0	0		0.00
02 - SUBSTRUCTURE				\$ 2,062	\$ 0.15
021 - Standard Foundations	\$ 0	\$ 0	\$ 0		0.00
022 - Slab on Grade	1,086	976	2,062		0.15
023 - Basement	0	0	0		0.00
024 - Special Foundations	0	0	0		0.00
03 - SUPERSTRUCTURE				\$ 9,035	\$ 0.66
031 - Floor Construction	\$ 0	\$ 0	\$ 0		0.00
032 - Roof Construction	4,072	4,963	9,035		0.66
033 - Stair Construction	0	0	0		0.00
04 - EXTERIOR CLOSURE				\$ 99,219	\$ 7.22
041 - Exterior Walls	\$ 55,670	\$ 43,549	\$ 99,219		7.22
042 - Exterior Doors and Windows	0	0	0		0.00
05 - ROOF SYSTEMS				\$ 18,682	\$ 1.36
051 - Roofing	\$ 7,445	\$ 11,237	\$ 18,682		1.36
052 - Skylights	0	0	0		0.00
06 - INTERIOR CONSTRUCTION				\$ 123,981	\$ 9.02
061 - Partitions and Doors	\$ 12,502	\$ 21,456	\$ 33,958		2.47
062 - Interior Finishes	40,028	44,673	84,701		6.17
063 - Specialties	3,864	1,458	5,322		0.39

HMS Project No.: 15168

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>
07 - CONVEYING SYSTEMS	\$ 0	\$ 0		\$ 0	\$ 0.00
08 - MECHANICAL				\$ 112,663	\$ 8.20
081 - Plumbing	\$ 6,900	\$ 4,443	\$ 11,343		0.83
082 - HVAC	10,575	17,707	28,282		2.06
083 - Fire Protection	33,847	39,191	73,038		5.32
084 - Special Mechanical Systems	0	0	0		0.00
09 - ELECTRICAL				\$ 102,820	\$ 7.48
091 - Service and Distribution	\$ 0	\$ 0	\$ 0		0.00
092 - Lighting and Power	64,801	38,019	102,820		7.48
093 - Special Electrical Systems	0	0	0		0.00
10 - EQUIPMENT				\$ 0	\$ 0.00
101 - Fixed and Movable Equipment	\$ 0	\$ 0	\$ 0		0.00
102 - Furnishings	0	0	0		0.00
11 - SPECIAL CONSTRUCTION	\$ 0	\$ 0		\$ 0	\$ 0.00
SUBTOTAL DIRECT WORK:	\$ 285,426	\$ 298,783		\$ 584,209	
12 - GENERAL REQUIREMENTS		25.00%		\$ 146,052	\$ 10.63
13 - CONTINGENCIES		15.00%		\$ 109,539	\$ 7.97
14 - ESCALATION		4.08%		\$ 34,264	\$ 2.49
TOTAL ESTIMATED CONSTRUCTION COST:				\$ 874,064	\$63.62 /SF
GROSS FLOOR AREA:					13,739 SF

HMS Project No.: 15168

COMMUNITY CENTER UPGRADES 01 - SITE WORK 011 - Site Demolition	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

DEMOLITION

Site

Excavate, drain and remove 1,000 gallon fuel tank	1	EA			945.00	945	945.00	945
Remove sludge and wipe tank	1	EA			275.00	275	275.00	275
Haul tank and dispose at disposal site per ADEC requirement	1	EA			950.00	950	950.00	950

Note: No contaminated soils allowance.

Saw cut and remove asphalt	3,900	SF			1.10	4,290	1.10	4,290
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Building

Cut opening in existing wall	180	SF			4.50	810	4.50	810
Remove interior door	1	EA			50.00	50	50.00	50
Remove porte cochère and supporting columns	473	SF			3.50	1,656	3.50	1,656
Remove floor finishes	6,605	SF			0.65	4,293	0.65	4,293
Remove suspended ceiling system	4,544	SF			0.95	4,317	0.95	4,317
Demolish shelving and wall finishes for new toilet room	126	SF			2.25	284	2.25	284

HMS Project No.: 15168

COMMUNITY CENTER UPGRADES 01 - SITE WORK 011 - Site Demolition	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

DEMOLITION (Continued)

Building (Continued)

Saw cut and remove concrete slab on grade for new toilet room	50	SF			6.75	338	6.75	338
Remove existing siding and trim	6,900	SF			1.50	10,350	1.50	10,350
Miscellaneous demolition	1	LOT			1500.00	1,500	1500.00	1,500
Remove light fixtures, conduit and wire to remain	1	LOT			2500.00	2,500	2500.00	2,500
Load and haul debris	5	LDS	75.00	375	150.00	750	225.00	1,125
SUBTOTAL:				\$ 375		\$ 33,308		\$ 33,683
Labor Premium Time	10.00%					3,331		3,331

TOTAL ESTIMATED COST:	\$ 375	\$ 36,639	\$ 37,014
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HMS Project No.: 15168

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

CONCRETE WALKS/PLAZA/CURBS

2" D1 leveling course	19	CY	22.50	428	7.50	143	30.00	571
4" broom finish, mesh reinforced concrete walk with thickened edge at parking	2,540	SF	4.20	10,668	3.40	8,636	7.60	19,304
6" reinforced concrete utility pad (1)	94	SF	6.30	592	4.00	376	10.30	968
Extra for ADA ramp with detectable strip	75	SF	2.05	154	2.90	218	4.95	372

AC PAVEMENT

4" D1 leveling course, compacted	38	CY	22.50	855	7.50	285	30.00	1,140
Finish grade	2,500	SF			0.20	500	0.20	500
2" AC pavement	2,500	SF	1.65	4,125	1.10	2,750	2.75	6,875
Asphalt tests								Included Above
4" striping at parking stalls	1,100	LF	0.40	440	0.35	385	0.75	825
Cross hatch markings	260	SF	0.70	182	0.65	169	1.35	351
Mark handicapped accessible symbols	4	EA	20.00	80	37.00	148	57.00	228
ADA signs, posts and bases	4	EA	138.00	552	125.00	500	263.00	1,052
Traffic signs, posts and bases	2	EA	165.00	330	135.00	270	300.00	600

HMS Project No.: 15168

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

FURNISHINGS, ETC.

Concrete filled pipe bollards and bases	4	EA	385.00	1,540	330.00	1,320	715.00	2,860
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LANDSCAPING

Concrete landscape walls	295	SF	10.05	2,965	14.80	4,366	24.85	7,331
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Landscaping allowance	1	LOT						With Library
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Note: Remainder by owner.

SUBTOTAL:				\$ 22,911		\$ 20,066		\$ 42,977
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Labor Premium Time	10.00%					2,007		2,007
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TOTAL ESTIMATED COST:				\$ 22,911		\$ 22,073		\$ 44,984
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HMS Project No.: 15168

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

FUEL OIL

1,500 gallon fuel oil tank, double wall	1	EA	9150.00	9,150	620.00	620	9770.00	9,770
1" fuel oil supply pipes in containment pipe	280	LF	18.25	5,110	23.50	6,580	41.75	11,690
Tank connections and valves	2	EA	135.00	270	170.00	340	305.00	610
Building connections and sleeves	2	EA	70.00	140	95.00	190	165.00	330
Excavate and backfill for piping	65	CY			12.50	813	12.50	813
Fuel for testing	250	GAL	4.00	1,000			4.00	1,000
Leak detection system and panel inside building	1	LOT	2500.00	2,500	1050.00	1,050	3550.00	3,550
SUBTOTAL:				\$ 18,170		\$ 9,593		\$ 27,763
Labor Premium Time	10.00%					959		959
SUBTOTAL:				\$ 18,170		\$ 10,552		\$ 28,722
Subcontractor's Overhead and Profit on Material and Labor	17.50%			3,180		1,847		5,027
TOTAL ESTIMATED COST:				\$ 21,350		\$ 12,399		\$ 33,749

HMS Project No.: 15168

COMMUNITY CENTER UPGRADES 02 - SUBSTRUCTURE 022 - Slab on Grade	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
Patch concrete slab on grade at new toilet room	50	SF	4.50	225	4.10	205	8.60	430
New concrete ramp to stage platform	100	SF	3.75	375	4.30	430	8.05	805
Handrail at ramp	18	LF	27.00	486	14.00	252	41.00	738
SUBTOTAL:				\$ 1,086		\$ 887		\$ 1,973
Labor Premium Time	10.00%					89		89
TOTAL ESTIMATED COST:				\$ 1,086		\$ 976		\$ 2,062

HMS Project No.: 15168

COMMUNITY CENTER UPGRADES 03 - SUPERSTRUCTURE 032 - Roof Construction	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

CANOPY ROOFS (2)

Concrete base and columns	3	EA	275.00	825	310.00	930	585.00	1,755
Column base	4	EA	25.00	100	40.00	160	65.00	260
8"x8" wood columns	22	LF	5.90	130	9.35	206	15.25	336
5 1/8"x18" glulam beams	50	LF	21.40	1,070	11.55	578	32.95	1,648
4"x6" rafters	474	LF	2.20	1,043	3.50	1,659	5.70	2,702
3/4" plywood sheathing	640	SF	1.10	704	1.10	704	2.20	1,408
Miscellaneous fasteners and connections	1	LOT	200.00	200	275.00	275	475.00	475
SUBTOTAL:				\$ 4,072		\$ 4,512		\$ 8,584
Labor Premium Time	10.00%					451		451

TOTAL ESTIMATED COST:				\$ 4,072		\$ 4,963		\$ 9,035
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HMS Project No.: 15168

COMMUNITY CENTER UPGRADES 04 - EXTERIOR CLOSURE 041 - Exterior Walls	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
Air infiltration barrier	6,900	SF	0.38	2,622	0.75	5,175	1.13	7,797
Pre-finished vertical metal siding and trim	6,045	SF	7.75	46,849	5.00	30,225	12.75	77,074
Pre-finished horizontal metal siding and trim	855	SF	7.25	6,199	4.90	4,190	12.15	10,389
SUBTOTAL:				\$ 55,670		\$ 39,590		\$ 95,260
Labor Premium Time	10.00%					3,959		3,959
TOTAL ESTIMATED COST:				\$ 55,670		\$ 43,549		\$ 99,219

HMS Project No.: 15168

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

MAIN ROOF

Patch and repair roofing at new ventilation system	1	LOT	500.00	500	1500.00	1,500	2000.00	2,000
Increase soffit ventilation	292	LF	7.50	2,190	15.00	4,380	22.50	6,570

CANOPY ROOFS

1/2" ISO recovery board	640	SF	0.60	384	0.75	480	1.35	864
60 mil EPDM roofing	640	SF	2.00	1,280	2.10	1,344	4.10	2,624
60 mil EPDM roofing at sidewalls	103	SF	2.00	206	2.20	227	4.20	433
Wall flashing	69	LF	3.50	242	3.20	221	6.70	463
Fascia flashing	92	LF	6.10	561	3.95	363	10.05	924
Scuppers	2	EA	75.00	150	105.00	210	180.00	360

MISCELLANEOUS

Temporary fall protection	552	LF	3.50	1,932	2.70	1,490	6.20	3,422
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SUBTOTAL:				\$ 7,445		\$ 10,215		\$ 17,660
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Labor Premium Time	10.00%					1,022		1,022
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TOTAL ESTIMATED COST:				\$ 7,445		\$ 11,237		\$ 18,682
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HMS Project No.: 15168

COMMUNITY CENTER UPGRADES 06 - INTERIOR CONSTRUCTION 061 - Partitions and Doors	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
5/8" water resistant gypboard to existing walls	628	SF	0.80	502	1.60	1,005	2.40	1,507
Add insulated walls in truss space at existing flue	1	LOT	2000.00	2,000	3500.00	3,500	5500.00	5,500
Miscellaneous code deficiencies upgrades	1	LOT	10000.00	10,000	15000.00	15,000	25000.00	25,000
SUBTOTAL:				\$ 12,502		\$ 19,505		\$ 32,007
Labor Premium Time	10.00%					1,951		1,951
TOTAL ESTIMATED COST:				\$ 12,502		\$ 21,456		\$ 33,958

HMS Project No.: 15168

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

FLOORS

Vinyl composition tiles	4,410	SF	2.80	12,348	1.75	7,718	4.55	20,066
Carpet tiles	1,680	SF	4.60	7,728	1.20	2,016	5.80	9,744
Ceramic tiles	126	SF	8.15	1,027	9.25	1,166	17.40	2,193
4" rubber base	566	LF	1.25	708	1.30	736	2.55	1,444
Ceramic tile base	41	LF	7.20	295	8.75	359	15.95	654

WALLS

Patch and paint gypboard walls	8,400	SF	0.35	2,940	1.75	14,700	2.10	17,640
Ceramic tile wainscot	287	SF	7.45	2,138	8.45	2,425	15.90	4,563
Paint miscellaneous metals, etc.	1	LOT	250.00	250	750.00	750	1000.00	1,000

CEILINGS

5/8" gypboard ceiling system and framing	126	SF	1.70	214	3.10	391	4.80	605
Suspended acoustic ceiling with seismic bracings	4,410	SF	2.80	12,348	2.30	10,143	5.10	22,491
Paint gypboard ceilings and soffits	126	SF	0.25	32	1.65	208	1.90	240

SUBTOTAL:

\$ 40,028

\$ 40,612

\$ 80,640

HMS Project No.: 15168

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

Labor Premium Time	10.00%					4,061		4,061
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TOTAL ESTIMATED COST:						\$ 40,028	\$ 44,673	\$ 84,701
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HMS Project No.: 15168

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

TOILET ACCESSORIES

Toilet paper holders	3	EA	35.00	105	28.00	84	63.00	189
Sanitary napkin receptacles	3	EA	177.00	531	86.00	258	263.00	789
18"x36" mirror	1	EA	130.00	130	40.00	40	170.00	170
Towel dispenser	1	EA	69.00	69	30.00	30	99.00	99
Soap dispenser	1	EA	36.00	36	33.00	33	69.00	69
18" grab bar	1	EA	36.00	36	30.00	30	66.00	66
36" grab bar	1	EA	52.00	52	40.00	40	92.00	92
42" grab bar	1	EA	60.00	60	50.00	50	110.00	110
Toilet partitions	2	EA	885.00	1,770	240.00	480	1125.00	2,250
Toilet partition, ADA	1	EA	1075.00	1,075	280.00	280	1355.00	1,355
SUBTOTAL:				\$ 3,864		\$ 1,325		\$ 5,189
Labor Premium Time	10.00%					133		133

TOTAL ESTIMATED COST:				\$ 3,864		\$ 1,458		\$ 5,322
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HMS Project No.: 15168

COMMUNITY CENTER UPGRADES 08 - MECHANICAL 081 - Plumbing	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

FIXTURES

Water closet, ADA	1	EA	690.00	690	250.00	250	940.00	940
Water closets, standard	2	EA	620.00	1,240	270.00	540	890.00	1,780
Wall hung lavatory, ADA	1	EA	435.00	435	165.00	165	600.00	600
4" diameter wall cleanout	1	EA	310.00	310	62.00	62	372.00	372
2" diameter floor drain	1	EA	130.00	130	125.00	125	255.00	255
Trap primer	1	EA	267.00	267	95.00	95	362.00	362
Rough-ins for fixtures	4	EA	590.00	2,360	435.00	1,740	1025.00	4,100
Rough-in for drain, hose bibbs, etc.	1	EA	365.00	365	310.00	310	675.00	675
Miscellaneous gauges and valves	1	LOT	75.00	75	150.00	150	225.00	225
SUBTOTAL:				\$ 5,872		\$ 3,437		\$ 9,309
Labor Premium Time	10.00%					344		344
SUBTOTAL:				\$ 5,872		\$ 3,781		\$ 9,653
Subcontractor's Overhead and Profit on Material and Labor	17.50%			1,028		662		1,690
TOTAL ESTIMATED COST:				\$ 6,900		\$ 4,443		\$ 11,343

HMS Project No.: 15168

COMMUNITY CENTER UPGRADES 08 - MECHANICAL 082 - HVAC	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
Modify HVAC system for new ceilings and demolition of library	1	LOT	1500.00	1,500	7500.00	7,500	9000.00	9,000
Add roof mounted ventilators	1	LOT	7500.00	7,500	5000.00	5,000	12500.00	12,500
Test and balance HVAC system	8	HRS			150.00	1,200	150.00	1,200
SUBTOTAL:				\$ 9,000		\$ 13,700		\$ 22,700
Labor Premium Time	10.00%					1,370		1,370
SUBTOTAL:				\$ 9,000		\$ 15,070		\$ 24,070
Subcontractor's Overhead and Profit on Material and Labor	17.50%			1,575		2,637		4,212
TOTAL ESTIMATED COST:				\$ 10,575		\$ 17,707		\$ 28,282

HMS Project No.: 15168

COMMUNITY CENTER UPGRADES 08 - MECHANICAL 083 - Fire Protection	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$
250 GPM electric fire pump and controls	1	EA						With Library
Jockey pump and controls	1	EA						With Library
6" sprinkler riser with alarms	1	LOT						With Library
Fire department connection	1	EA						With Library
Wet pipe sprinkler system	13,739	SF	1.70	23,356	2.10	28,852	3.80	52,208
Preaction heads and piping at canopies	4	EA	225.00	900	155.00	620	380.00	1,520
Test and certify	1	LOT	250.00	250	850.00	850	1100.00	1,100
Design fee	1	LOT	4300.00	4,300			4300.00	4,300
SUBTOTAL:				\$ 28,806		\$ 30,322		\$ 59,128
Labor Premium Time	10.00%					3,032		3,032
SUBTOTAL:				\$ 28,806		\$ 33,354		\$ 62,160
Subcontractor's Overhead and Profit on Material and Labor	17.50%			5,041		5,837		10,878
TOTAL ESTIMATED COST:				\$ 33,847		\$ 39,191		\$ 73,038

HMS Project No.: 15168

COMMUNITY CENTER UPGRADES 09 - ELECTRICAL 092 - Lighting and Power	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

FIXTURES

Note: Fixtures connected to existing circuits.

2'0"x4'0" recessed LED fixtures	87	EA	315.00	27,405	120.00	10,440	435.00	37,845
2'0"x4'0" surface mounted LED fixtures at kitchen	24	EA	210.00	5,040	115.00	2,760	325.00	7,800
Low profile LED fixtures at mechanical rooms, storage rooms, etc.	62	EA	155.00	9,610	110.00	6,820	265.00	16,430
Low profile LED fixtures, wet label	12	EA	175.00	2,100	110.00	1,320	285.00	3,420
12" round, 17 watt LED canopy lights	10	EA	245.00	2,450	115.00	1,150	360.00	3,600
Wall mounted exterior 17 watt LED fixtures, 6-lamp	8	EA	325.00	2,600	110.00	880	435.00	3,480
Wall mounted LED exit signs with battery backup	6	EA	145.00	870	110.00	660	255.00	1,530
Double head emergency LED light fixtures	10	EA	267.00	2,670	135.00	1,350	402.00	4,020
Emergency battery pack with remote head	2	EA	280.00	560	155.00	310	435.00	870
30 amp, 4 pole mechanically held lighting contactor and photocell for exterior lighting	1	EA	445.00	445	225.00	225	670.00	670
Reinstall stage lighting	1	LOT	250.00	250	1500.00	1,500	1750.00	1,750

HMS Project No.: 15168

COMMUNITY CENTER UPGRADES 09 - ELECTRICAL 092 - Lighting and Power	QUANTITY	UNIT	MATERIAL		LABOR		TOTAL	TOTAL
			RATE	TOTAL	RATE	TOTAL	UNIT RATE	MATERIAL/LABOR
			\$	\$	\$	\$	\$	\$

MISCELLANEOUS

Extend power to roof ventilators	1	LOT	1000.00	1,000	1500.00	1,500	2500.00	2,500
Test and tag lighting	1	LOT	150.00	150	500.00	500	650.00	650
SUBTOTAL:				\$ 55,150		\$ 29,415		\$ 84,565
Labor Premium Time	10.00%					2,942		2,942
SUBTOTAL:				\$ 55,150		\$ 32,357		\$ 87,507
Subcontractor's Overhead and Profit on Material and Labor	17.50%			9,651		5,662		15,313

TOTAL ESTIMATED COST:	\$ 64,801	\$ 38,019	\$ 102,820
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