

Schematic
Westborough Public Library
Westborough, MA

September 1, 2016

GRAND SUMMARY

				<u>TOTALS</u>
ADDITION				\$8,641,889
RENOVATION 1908 Building				\$1,304,037
SITWORK				\$351,482
LIBRARY REMOVAL 1980 Building	15,011	GSF	\$9.00	\$135,099
HAZARDOUS WASTE REMOVAL		ALLOWANCE		\$150,000
TOTAL DIRECT COST				----- \$10,582,507
DESIGN CONTINGENCY	12%			\$1,269,901
CM CONTINGENCY	4%			\$474,096
ESCALATION (BID FALL 2018)	8%			\$986,120
GENERAL CONDITIONS	18	MOS	\$90,000	\$1,620,000
GENERAL REQUIREMENTS	2%			\$298,652
BOND AND INSURANCE	2%			\$304,626
PERMIT	nic			
CM FEE				\$350,000
PRECONSTRUCTION				carried w/ TPC
TOTAL CONSTRUCTION COST				----- \$15,885,903
COST PER SF				\$517.19

ALTERNATES:

ALTERNATE NO. 1 - WEST MAIN STREET ENTRANCE ADA IMPROVEMENTS	\$213,048
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PROJECT: Westborough Public Library
 LOCATION: Westborough, MA
 CLIENT: Lamoureux Pagano Assoc. Architects
 DATE: 01-Sep-16
 No.: 16088

DIVISION SUMMARY

SUMMARY

	ADDITION TOTAL	RENO TOTAL	SITWORK TOTAL	COST TOTAL
DIVISION 02 - EXISTING CONDITIONS	0	62,515	0	62,515
DIVISION 03 - CONCRETE	520,866	5,000	0	525,866
DIVISION 04 - MASONRY	437,757	142,638	0	580,395
DIVISION 05 - METALS	1,311,753	49,118	0	1,360,871
DIVISION 06 - WOOD, PLASTICS & COMPOSITES	434,503	59,243	0	493,746
DIVISION 07 - THERMAL & MOISTURE PROTECTION	839,937	96,972	0	936,910
DIVISION 08 - OPENINGS	648,125	163,025	0	811,150
DIVISION 09 - FINISHES	797,550	143,901	0	941,450
DIVISION 10 - SPECIALTIES	101,012	0	0	101,012
DIVISION 11 - EQUIPMENT	22,200	0	0	22,200
DIVISION 12 - FURNISHINGS	21,900	6,040	0	27,940
DIVISION 13 - SPECIAL CONSTRUCTION	0	0	0	0
DIVISION 14 - CONVEYING EQUIPMENT	190,000	35,000	0	225,000
DIVISION 21 - FIRE SUPPRESSION	133,649	44,238	0	177,887
DIVISION 22 - PLUMBING	336,635	22,000	0	358,635
DIVISION 23 - HVAC	1,083,990	260,988	0	1,344,978
DIVISION 26 - ELECTRICAL	979,804	213,360	0	1,193,164
DIVISION 31 - EARTHWORK	782,208	0	77,639	859,847
DIVISION 32 - EXTERIOR IMPROVEMENTS	0	0	169,018	169,018
DIVISION 33 - UTILITIES	0	0	104,825	104,825
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DIRECT COST	8,641,889	1,304,037	351,482	10,297,408

PROJECT: Westborough Public Library
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 DATE: 01-Sep-16
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NO. OF SQ. FT.: 25,457
 COST PER SQ. FT.: \$339.47

*GSF excludes attic
ADDITION

SUMMARY

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 02 - EXISTING CONDITIONS			
022820 ASBESTOS REMEDIATION	0	0%	0.00
024119 SELECTIVE DEMOLITION	0	0%	0.00
DIVISION 03 - CONCRETE			
033000 CAST IN PLACE CONCRETE	520,866	6%	20.46
DIVISION 04 - MASONRY			
042001 MASONRY*	437,757	5%	17.20
DIVISION 05 - METALS			
050001 MISCELLANEOUS & ORNAMENTAL IRON*	222,777	3%	8.75
051200 STRUCTURAL STEEL FRAMING	810,102	9%	31.82
053100 STEEL DECKING	100,626	1%	3.95
054000 COLD FORMED METAL FRAMING	178,248	2%	7.00
DIVISION 06 - WOOD, PLASTICS & COMPOSITES			
061000 ROUGH CARPENTRY	64,857	1%	2.55
062000 FINISH CARPENTRY	175,273	2%	6.89
064000 ARCHITECTURAL WOODWORK	194,374	2%	7.64
DIVISION 07 - THERMAL & MOISTURE PROTECTION			
071000 DAMPPROOF., WATERPROOF. & CAULKING*	139,420	2%	5.48
070002 ROOFING AND FLASHING*	381,081	4%	14.97
072100 THERMAL INSULATION	83,881	1%	3.29
072600 VAPOR RETARDERS	8,142	0%	0.32
074200 METAL WALL PANELS	177,185	2%	6.96
078100 APPLIED FIREPROOFING	27,500	0%	1.08
078400 FIRESTOPPING	12,729	0%	0.50
079513 EXPANSION JOINT COVERS	10,000	0%	0.39
DIVISION 08 - OPENINGS			
080005 METAL WINDOWS*	453,915	5%	17.83
080152 ALUM CLAD WOOD WINDOW	0	0%	0.00
081113 HOLLOW METAL DOORS AND FRAMES	127,760	1%	5.02
081416 WOOD DOORS	0	0%	0.00
083100 ACCESS DOORS AND PANELS	5,000	0%	0.20
083323 COILING DOORS	0	0%	0.00
087100 DOOR HARDWARE	10,000	0%	0.39
088000 GLAZING*	46,350	1%	1.82
089000 LOUVERS AND VENTS	5,100	0%	0.20
DIVISION 09 - FINISHES			
090002 GYPSUM WALLBOARD & PLASTER PATCHING	328,765	4%	12.91
090003 TILE*	85,578	1%	3.36
090006 RESILIENT FLOORING*	26,576	0%	1.04
090009 PAINTING*	87,735	1%	3.45
095100 ACOUSTICAL CEILINGS*	139,735	2%	5.49
096429 WOOD STRIP FLOORING	0	0%	0.00
096800 CARPETING	109,160	1%	4.29
098400 ACOUSTIC ROOM COMPONENTS	20,000	0%	0.79

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 10 - SPECIALTIES			
101116 MARKERBOARDS	14,000	0%	0.55
101400 SIGNAGE	34,149	0%	1.34
102228 FOLDING-PANEL OPERABLE PARTITIONS	25,300	0%	0.99
102813 TOILET ACCESSORIES	6,928	0%	0.27
104400 FIRE PROTECTION SPECIALTIES	4,680	0%	0.18
105113 METAL LOCKERS	1,470	0%	0.06
109000 MISCELLANEOUS SPECIALTIES	14,485	0%	0.57
DIVISION 11 - EQUIPMENT			
113100 APPLIANCES	0	0%	0.00
115213 PROJECTION SCREENS	22,200	0%	0.87
DIVISION 12 - FURNISHINGS			
122400 WINDOW SHADES	21,900	0%	0.86
DIVISION 13 - SPECIAL CONSTRUCTION			
130000 SPECIAL CONSTRUCTION	0	0%	0.00
DIVISION 14 - CONVEYING EQUIPMENT			
142000 ELEVATORS & LIFTS*	190,000	2%	7.46
DIVISION 21 - FIRE SUPPRESSION			
210000 FIRE SUPPRESSION*	133,649	2%	5.25
DIVISION 22 - PLUMBING			
220000 PLUMBING*	336,635	4%	13.22
DIVISION 23 - HVAC			
230000 HVAC*	1,083,990	13%	42.58
DIVISION 26 - ELECTRICAL			
260000 ELECTRICAL*	979,804	11%	38.49
DIVISION 31 - EARTHWORK			
310000 EARTHWORK	782,208	9%	30.73
DIRECT COST	8,641,889	100%	339.47

*DENOTES FILED SUB-BID

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
DIVISION 02 - EXISTING CONDITIONS				
022820 ASBESTOS REMEDIATION	See Grand Summary			----- 0
024119 SELECTIVE DEMOLITION				
*Connector demolition is with Renovation Estimate				
				----- 0
DIVISION 03 - CONCRETE				
033000 CAST IN PLACE CONCRETE				
Col. footing (EA)	35	CY	425.00	14,875
Perim wall ftg (3'w x 1' x 382 LF)	42.5	CY	365.00	15,513
Int wall ftg (2'w x 1' x 108 LF)	8	CY	365.00	2,920
LL 20" found wall - 10' - 14H	246	CY	945.00	232,470
Int. 12" Found. wall - 4'-6"H	11	CY	880.00	9,680
Stepped wall & fnd premiums	1	LS	7,500.00	7,500
Grade beam (24"x12") -allow	10	CY	800.00	8,000
Pier/pilaster - allow	20	CY	950.00	19,000
5" Slab on grade	8,502	SF	6.20	52,712
Thicken slab - allow	15	CY	225.00	3,375
Upper flr 6" Flr Slab - on metal deck	15,680	SF	4.10	64,288
Attic flr & mech well 4" Flr Slab - on metal d	5,770	SF	4.10	23,657
Stair pan fill Egress stair hall	2	FLT	1,200.00	2,400
Stair pan fill Monumental stair	2	FLT	1,350.00	2,700
Stair pan fill mech rm stair (7 risers)	1	FLTS	500.00	500
4' Cast stair tread bld connector (6 riser)	24	LFT	115.00	2,760
Mech pads	1	LS	3,000.00	3,000
12" Elevator mat	8	CY	490.00	3,920
12" Elevator pit wall	10	CY	750.00	7,500
Platform lift mat	1	LS	1,000.00	1,000
Conc. slab sealant - exposed	750	SF	0.75	563
Conc. slab sealant @ carpet areas	18,587	SF	0.50	9,294
Underpin At Exist. Foundation-allow	1	LS	25,000.00	25,000
Generator Areaway:				
Wall footing 3' x 1'	2	CY	375.00	750
Foundation wall 1' x 10' H	7	CY	980.00	6,860
5" Slab on grade	42	SF	15.00	630

* Includes 030513 & 033519

520,866

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
DIVISION 04 - MASONRY				
042001 MASONRY*				
Interior:				
New masonry veneer		NIC		
Restore existing		NIC		
8" CMU Elevator Shaft	1,585	SF	27.20	43,112
Typ CMU partition		NIC		
Exterior Masonry Veneer:				
Type #1 - Arriscraft Veneer	2,351	SF	48.00	112,848
Type #2 - Brick Veneer	6,134	SF	33.00	202,422
18" band type 3	410	SF	55.00	22,550
Precast window sill	205	LF	65.00	13,325
New areaway veneer		NIC		
Staging	15,000	SF	2.10	31,500
Masonry flashing	1	LS	12,000.00	12,000

				437,757

DIVISION 05 - METALS

050001 MISCELLANEOUS & ORNAMENTAL IRON*

Elev pit ladder	1	LS	1,200.00	1,200
Elevator framing	1	LS	3,000.00	3,000
Metal Pan Stair & Rails - Complete:				
Egress stair hall	2	FLT	28,500.00	57,000
Monumental stair	2	FLT	50,000.00	100,000
Mechanical rm stair (8 risers)	1	FLT	7,500.00	7,500
OP partition support frame	23	LF	200.00	4,600
Connector cast stair wall rails	12	LF	135.00	1,620
Roof access ladder(1EA)	13	VLF	235.00	3,055
Attic access ladder(1EA)	14	VLF	235.00	3,290
Ext roof access ladder(1EA)	13	VLF	235.00	3,055
Galv. lintels	175	LF	32.00	5,600
Cast iron downspout boot	2	EA	750.00	1,500
Ext bird control devices	1	LS	500.00	500
Guardrail @ generator areaway	18	LF	300.00	5,400
Misc. bldg. metals	25,457	GSF	1.00	25,457

				222,777

051200 STRUCTURAL STEEL FRAMING

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Floor Frame (14 lbs/sf @ 16,887 sf)	118.20	TONS	3,650.00	431,430
Attic Frame (14 lbs/sf @ 5,770 sf)	40.40	TONS	3,650.00	147,460
Flat Roof Frame (12 lbs/sf @ 2,156 sf)	13.00	TONS	3,650.00	47,450
Sloped Roof Frame (12 lbs/sf @ 5,264 sf)	31.58	SF	3,900.00	123,162
Radial Roof Frame	263	SF	50.00	13,150
Supplemental Framing:				
Struct glass flr area	209	SF	50.00	10,450
Galv Root top equipment support	5.0	TON	4,500.00	22,500
Exterior relieving angle		inc. above		
Moment conn. - allow	20	EA	725.00	14,500

				810,102
053100 STEEL DECKING				
Shear studs floor (10 / 100 sf)	1,568	EA	5.50	8,624
Shear studs attic & roof (10 / 100 sf)	577	EA	5.50	3,174
Upper flr Floor deck 3"x 20 ga Comp deck	15,680	SF	3.05	47,824
Attic Floor deck 2"x 20 ga Comp deck	5,770	SF	3.05	17,599
Flat Roof deck 1 1/2", 20 ga	2,156	SF	2.80	6,037
Sloped Roof deck 1 1/2", 20 ga	5,264	SF	2.80	14,739
Radial Roof deck 1 1/2", 20 ga	263	SF	10.00	2,630

				100,626
054000 COLD FORMED METAL FRAMING				
Ext. wall metal stud back-up	9,772	SF	11.00	107,492
13' H Mech well metal stud back-up	1,950	SF	11.00	21,450
18" H Parapet metal stud back-up	559	SF	12.50	6,988
1/2" Dens glass sheathing:				
Ext. wall	12,281	SF	3.10	38,071
Back side Mech well	300	SF	3.10	930
Back side 18" H Parapet	559	SF	3.10	1,733
Main Entry:				
Fascia frame	46	SF	12.00	552
Soffit frame	86	SF	12.00	1,032
*Built-up projected cornice 3'6"H includes supplemental framing				
*Includes Section 061600				

				178,248
DIVISION 06 - WOOD, PLASTICS & COMPOSITES				
061000 ROUGH CARPENTRY				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Roof Blocking @ :				
High roof edge - parapet cap	373	LF	18.00	6,714
Low roof edge - parapet cap	89	LF	18.00	1,602
Mech well - parapet cap	150	LF	18.00	2,700
Base flashing @ new wall	105	LF	12.00	1,260
Base flashing / exp jt @ exist	55	LF	35.00	1,925
Roof hatch	1	EA	250.00	250
Radial canopy fascia	21	LF	25.00	525
Canopy fascia	25	LF	15.00	375
Metal -memb roof transition	332	LF	10.00	3,320
Mechanical curbs	1	LS	1,500.00	1,500
Ext wall blk perim CW, S,F louver, window & Interior blocking	1,000 25,457	LF GSF	6.50 0.50	6,500 12,729
Misc. rough carpentry	25,457	GSF	1.00	25,457
				----- 64,857

062000 FINISH CARPENTRY

Interior Trim:				
3'H Wood wainscot wall panel- complete	1,700	SF	50.00	85,000
Wood wall base (nic Cols. & wainscot)	1,250	LF	14.00	17,500
Custom int. col. encl - base, rail & capitol	27	EA	1,100.00	29,700
Ceiling trim		W / Clg Systems		
Solid surf. window sill/apron	367	LF	48.00	17,616
Window trim		NIC		
Door & borrowed light window trim		NIC		
Misc interior trim	25,457	GSF	1.00	25,457
*Excludes book storage shelving				----- 175,273

064000 ARCHITECTURAL WOODWORK

Custom Casework:				
LL Adult ref desk - front	11	LF	1,200.00	13,200
LL Adult ref desk - rear	11	LF	1,200.00	13,200
ML Adult ref desk - front	14	LF	1,200.00	16,800
ML Adult ref desk - rear	14	LF	1,200.00	16,800
UL Children's ref desk - front	12	LF	1,200.00	14,400
UL Children's ref desk - rear	12	LF	1,200.00	14,400
LL Mtg rm work rm base & wall cab	23	LF	550.00	12,650
LL Mtg rm kitchen base & wall cab	24	LF	550.00	13,200
LL Teen rm computer ctr	21	LF	300.00	6,300
ML Staff lounge base & wall	5	LF	475.00	2,375
ML staff work rm base & wall	8	LF	475.00	3,800
ML Digital Media Lab tall storage 4' unit	1	EA	1,800.00	1,800
ML Digital Media Lab computer ctr	6	LF	300.00	1,800
UL archive tall storage 4' unit	7	EA	1,800.00	12,600
UL Work rm tall storage 4' unit	1	EA	1,800.00	1,800

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
UL Staff work rm base & wall cab	13	LF	475.00	6,175
UL Children's rm base & wall cab	11	LF	475.00	5,225
UL Children's rm radial base cab	24	LF	800.00	19,200
5 tier closet shelving (2 loc)	185	LF	32.00	5,920
Misc casework	25,457	GSF	0.50	12,729

				194,374

DIVISION 07 - THERMAL & MOISTURE PROTECTION

071000 DAMPPROOF., WATERPROOF. & CAULKING*

Found. Waterproofing w/rigid insul. bd	3,991	SF	5.75	22,948
Elevator pit waterproofing	1	LS	4,200.00	4,200
Air & vapor barrier - ext. wall	13,140	SF	5.80	76,212
Air & vapor barrier - perim. ext. open	1,000	LF	7.15	7,150
Joint sealants - interior	25,457	GSF	0.35	8,910
Joint sealants - exterior	1	LS	20,000.00	20,000
*Perimeter exterior alum. window sealants are included with 088000				
*Includes Sections 071353, 072713 & 079200				

				139,420

070002 ROOFING AND FLASHING*

R-1 Flat Roof:				
PVC .6mil Membrane w/ R 35 Insul.	3,245	SF	14.50	47,053
1/2" Protection bd	3,245	SF	1.40	4,543
Roof vapor barrier	3,245	SF	0.90	2,921
1/4" Roof bd	3,245	SF	1.40	4,543
Roof w/over flow drain flashing	15	EA	275.00	4,125
Walkway pads - allow	1	LS	3,000.00	3,000
Membrane flashing	1	LS	10,000.00	10,000
Parapet Membrane 18" H	559	SF	7.50	4,193
Mech. well int. memb	1,911	SF	7.50	14,333
R-2 Standing Seam Metal Sloped Roofing :				
Standing seam roofing	5,264	SF	25.00	131,600
100% ice & water	5,264	SF	3.50	18,424
6" Nailable rigid Insulation	5,264	SF	6.25	32,900
Roof vapor barrier	5,264	SF	0.85	4,474
1/4" Roof bd	5,264	SF	1.75	9,212
R-2 Standing Seam Metal Sloped/ Radial Roofing :				
Standing seam roofing	263	SF	100.00	26,300
100% ice & water	263	SF	8.00	2,104
Insulation	263	SF	10.00	2,630
Roof vapor barrier	263	SF	2.00	526
1/4" Roof bd	263	SF	4.00	1,052

Flat Roof Flashing & Accessories:

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
High roof edge - parapet cap	373	LF	25.00	9,325
Low roof edge - parapet cap	89	LF	25.00	2,225
Mech well - parapet cap	150	LF	25.00	3,750
Base flashing @ new wall	105	LF	32.00	3,360
Base flashing / exp jt @ exist	55	LF	35.00	1,925
Roof hatch	1	EA	250.00	250
Sloped / Rail Roof Flashing & Accessories:				
Radial canopy fascia	21	LF	50.00	1,050
Canopy fascia	25	LF	35.00	875
Snow guard rail	286	LF	42.00	12,012
Metal -memb roof transition	332	LF	30.00	9,960
Canopy gutter	25	LF	42.00	1,050
Canopy Downspout (2 ea)	36	LF	38.00	1,368
Misc. flashing	1	LS	10,000.00	10,000

				381,081
072100 THERMAL INSULATION				
2" Rigid slab insul. - (100%)	8,570	SF	3.20	27,424
2" Rigid found insul.	3,991	SF	2.95	11,773
3" ext. wall insul - typical	10,331	SF	3.65	37,708
3" ext. wall insul - mech well	1,911	SF	3.65	6,975
*Mech well wall & Roof insulation included in 070002				

				83,881
072600 VAPOR RETARDERS				
Poly vapor barrier @ SOG	8,570	SF	0.95	8,142

				8,142
074200 METAL WALL PANELS				
Standing Seam Metal Panel System:				
Mech well ext wall panel 6'H	300	SF	50.00	15,000
Mech well int wall panel 13'H		W /Roofing		
Composite Metal Panel System:				
Main entry surround	208	SF	85.00	17,680
Composite Panel Trim :				
Built-up proj. cornice 3'4"H	1,259	SF	85.00	107,015
Built-up proj. cornice 3'4"H w/ parapet	296	SF	85.00	25,160
Canopy radial fascia 1'	21	SF	100.00	2,100
Canopy fascia 1'	25	SF	100.00	2,500
Canopy brackets	2	EA	1,500.00	3,000
Entrance Canopy panel soffit sys	86	SF	55.00	4,730

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
				----- 177,185
078100 APPLIED FIREPROOFING				
Spray fireproofing @ West/North Column Lin	5,500	SF	5.00	27,500
				----- 27,500
078400 FIRESTOPPING				
Firestopping	25,457	GSF	0.50	12,729
				----- 12,729
079513 EXPANSION JOINT COVERS				
Expansion jt assemblies	1	LS	10,000.00	10,000
				----- 10,000
DIVISION 08 - OPENINGS				
080005 METAL WINDOWS*				
Exterior:				
SF Alum. Storefront -typ	466	SF	90.00	41,940
CW -Alum. Curtain Wall	1,830	SF	120.00	219,600
FR Alum. Storefront	833	SF	175.00	145,775
Interior SF Alum. Storefront :				
9' H vestibule (1 loc)	60	SF	90.00	5,400
Alum. Door, Frame, Hdw, Glass & Glazing:				
Main Entry - dbl (6'x7')	1	EA	8,100.00	8,100
Vestibule - dbl (6'x7')	1	EA	8,100.00	8,100
*Includes glass, glazing and spandrel panels				
Ext. sunshades w/ 36" Proj -allow	1	LS	25,000.00	25,000
*Includes 084313 & 084413				
				----- 453,915
080152 ALUM CLAD WOOD WINDOW				
		N/A		0
				----- 0

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
081113 HOLLOW METAL DOORS AND FRAMES				
7' HM Door Frame:				
Ext. door - sgl	1	EA	2,500.00	2,500
Int HM Borrowed Light (Inc Glass & Glazing):				
7' Sidelight - typ (2 EA)	21	SF	80.00	1,680
BL 3- 13	786	SF	80.00	62,880
7' Interior Door, HM Frame , Hardware, Glass & Glazing:				
Program rm - sgl	7	EA	1,500.00	10,500
Admin - sgl	9	EA	1,500.00	13,500
1 Hr stair hall - sgl	3	EA	3,200.00	9,600
Mon stair hall - sgl	1	EA	3,200.00	3,200
Basement stair hall - sgl	1	EA	2,800.00	2,800
Toilet rm - sgl	6	EA	1,100.00	6,600
Storage rm - sgl	8	EA	1,100.00	8,800
Mech/elec rm - sgl	4	EA	1,000.00	4,000
Mech/elec rm - dbl	1	EA	1,700.00	1,700

				127,760
081416 WOOD DOORS		W / 081113		0

				0
083100 ACCESS DOORS AND PANELS				
Access panels	1	LS	5,000.00	5,000
*Includes renovation				-----
				5,000
083323 COILING DOORS				
OH security grill		NIC		-----
				0
087100 DOOR HARDWARE				
Auto opener - allow	1	PR	10,000.00	10,000

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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*Finish hardware also included in 080005 & 081113

10,000

088000 GLAZING*

ML Structural glass flr	209	SF	150.00	31,350
Glass smoke baffle (@ mon stair - allow	1	LS	10,000.00	10,000
Misc. glass & glazing	1	LS	5,000.00	5,000

*Glass and glazing also included in Sections 080005 & 081113

46,350

089000 LOUVERS AND VENTS

Alum. louvers	10	SF	90.00	900
Alum. Louver- emerg gen areaway	30	SF	90.00	2,700
Elev. vent	1	EA	1,500.00	1,500

5,100

DIVISION 09 - FINISHES

090002 GYPSUM WALLBOARD & PLASTER PATCHING

1 Hr Ext wall 1 lyr 5/8" at ext stud	6,274	SF	2.30	14,430
Typ Ext wall 1 lyr 5/8" at ext stud	3,498	SF	2.30	8,045
Furr w/ 1 lyr 5/8" at fnd wall	3,420	SF	8.00	27,360

Partitions:

Shaft wall - Mech chase	788	SF	15.50	12,214
Shaft wall - chair lift	310	SF	15.50	4,805
Typical	10,549	SF	11.25	118,676
1 Hr Mech / elec rm	713	SF	12.00	8,556
2 Hr Mech / elec rm	532	SF	16.00	8,512
1HR Stair hall	1,388	SF	13.50	18,738
Typ Chase wall	2,456	SF	9.00	22,104
Furr elev shaft	961	SF	8.50	8,169
Furr w/1 lyr gyp exist. wall - allow	1,241	SF	10.00	12,410
24" Box int cols (27 EA)	2,916	SF	11.00	32,076
Clad int box cols		W / 062000		

Gyp ceiling:

Gyp ceiling - 2 hr	260	SF	14.50	3,770
Gyp ceiling - 1 hr	181	SF	11.00	1,991
Gyp ceiling - vestibule typ	132	SF	11.00	1,452

Soffits -allow	25,457	GSF	0.50	12,729
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DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Misc. GWB	25,457	GSF	0.50	12,729
*GWB includes sound attenuation, tape and joint compound finish				
*Excludes veneer plaster				

				328,765
090003 TILE*				
Toilet Room (6 EA):				
Porcelain floor tile	276	SF	22.00	6,072
Wpg membrane	184	SF	8.25	1,518
Porcelain wall base	156	LF	6.00	936
Porcelain wall tile 5' typical	780	SF	20.00	15,600
Marble threshold	6	EA	75.00	450
Tile backer bd premium	780	SF	2.20	1,716
Janitor Closet (3 EA):				
Floor tile	60	SF	22.00	1,320
Wpg membrane	40	SF	8.25	330
Wall base	48	LF	6.00	288
FRP wall panel 5' typical	240	SF	10.50	2,520
Marble threshold	3	EA	75.00	225
Tile backer bd premium	240	SF	2.20	528
Monumental Stair:				
Granite stair tread	230	LFT	175.00	40,250
Granite stair landing & lobby	395	SF	35.00	13,825
*Thin set installation				

				85,578
090006 RESILIENT FLOORING*				
Moisture mitigation	1,782	SF	5.00	8,910
Resilient tile	120	SF	6.00	720
Linoleum	1,662	SF	7.00	11,634
4" resilient wall base - allow	1	LS	2,500.00	2,500
Rubber tread @ LL cast stair bld conn(6 riser)	24	LFT	13.00	312
Rubber tread @ Mech rm stair (7 risers)		NIC		
Stair hall # 2 Rubber finish	2	FLT	1,250.00	2,500
*Includes Section 096513, 096519, 096523, 096543				

				26,576
090009 PAINTING*				
Int. painting	25,457	GSF	3.25	82,735
Ext. painting	1	LS	5,000.00	5,000
*Excludes wall covering				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
				87,735
095100 ACOUSTICAL CEILINGS*				
ACT & GWB Ceiling Systems:				
Programs space	18,362	SF	5.00	91,810
Stair Hall	356	SF	5.00	1,780
Admin & storage	2,956	SF	5.00	14,780
Toilet rm	273	SF	5.00	1,365
Add For Premium Tile and Clouds	1	LS	30,000.00	30,000

				139,735
096429 WOOD STRIP FLOORING				
		N/A		-----
				0
096800 CARPETING				
Carpet	2,051	SY	52.00	106,652
Carpet tile vestibule mat	132	SF	19.00	2,508

				109,160
098400 ACOUSTIC ROOM COMPONENTS				
Acoustical wall panels - allow	500	SF	40.00	20,000

				20,000
DIVISION 10 - SPECIALTIES				
101116 MARKERBOARDS				
Allow - Reno & Addition:				
Misc. marker bds	1	LS	2,000.00	2,000
Misc. tack bds	1	LS	2,000.00	2,000
LL Display wall	1	LS	10,000.00	10,000

				14,000
101400 SIGNAGE				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Allow - Reno & Addition:				
ADA signage	41,385	GSF	0.18	7,449
Interior signage	1	LS	10,000.00	10,000
Building directory -allow	1	EA	3,000.00	3,000
Dedication plaque -allow	1	EA	3,500.00	3,500
Ext building pin lettering (1 loc)	24	EA	425.00	10,200

				34,149
102228 FOLDING-PANEL OPERABLE PARTITIONS				
OP partition - manual op (1 loc)	230	SF	110.00	25,300

				25,300
102813 TOILET ACCESSORIES				
New Toilet Rm Furnish & Install Accessories (6EA):				
Hand dryer		N/A		
Grab bars	12	EA	95.00	1,140
Tilt Mirror	6	EA	220.00	1,320
Changing table	2	EA	525.00	1,050
Coat hooks	6	EA	30.00	180
Paper towel dispenser/disposal	6	EA	215.00	1,290
Toilet tissue dispenser	6	EA	45.00	270
Soap dispenser	6	EA	38.00	228
Renovated toilet rm replace accessories	2	RM	500.00	1,000
Janitor accessories	3	RM	150.00	450
*Excludes work room accessories				

				6,928
104400 FIRE PROTECTION SPECIALTIES				
Allow - Reno & Addition:				
Fire extinguishers & cab	12	EA	390.00	4,680

				4,680
105113 METAL LOCKERS				
Allow - Reno & Addition:				
Staff locker - 18"x12"x60" - dbl tier	6	EA	245.00	1,470

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
				----- 1,470
109000 MISCELLANEOUS SPECIALTIES				
Allow - Reno & Addition:				
Fireplace insert		NIC		
Vestibule drop box (2 EA)		NIC		
Interior drop box (2 EA)		NIC		
High density shelving unit		NIC		
Library shelving system		NIC		
Return sorting equipment		NIC		
Book security sys. rough in		NIC		
Book security sys.		NIC		
Misc. specialties	41,385	GSF	0.35	14,485
				----- 14,485
DIVISION 11 - EQUIPMENT				
113100 APPLIANCES				
Meeting Rm kitchen		NIC		
Staff break rm		NIC		
				----- 0
115213 PROJECTION SCREENS				
Children's rm projection screen - motor op	1	EA	6,500.00	6,500
MP rm projection screen - motor op	2	EA	6,500.00	13,000
MP rm projector mount	3	EA	900.00	2,700
				----- 22,200
DIVISION 12 - FURNISHINGS				
122400 WINDOW SHADES				
Interior Borrowed Lights -Allow:				
Vertical blinds	1	LS	2,500.00	2,500
Exterior Windows:				
Storefront Window shades - manual op	330	SF	8.00	2,640
Curtainwall Window shades - manual op	1,343	SF	8.00	10,744
Room darkening shade - (6 EA)	188	SF	32.00	6,016

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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*Excludes auto sun sensors

21,900

DIVISION 13 - SPECIAL CONSTRUCTION

130000 SPECIAL CONSTRUCTION

N/A

0

0

DIVISION 14 - CONVEYING EQUIPMENT

142000 ELEVATORS & LIFTS*

Passenger elevator (2 door)
*3,500 lb

4

STOP

47,500.00

190,000

190,000

DIVISION 21 - FIRE SUPPRESSION

210000 FIRE SUPPRESSION*

Fire protection - addition
Fire Pump

25,457

GSF
NIC

5.25

133,649

133,649

DIVISION 22 - PLUMBING

220000 PLUMBING*

Fixtures:

Water closet ADA

6

EA

1,950.00

11,700

Lavatory ADA

6

EA

1,375.00

8,250

Work rm sink

1

EA

1,500.00

1,500

Program sink

1

EA

1,500.00

1,500

Staff lounge sink

1

EA

1,500.00

1,500

MTG rm kitchen sink

1

EA

1,500.00

1,500

Mop sink

3

EA

1,425.00

4,275

Drinking fountain

3

EA

3,100.00

9,300

Electronic Sensor Flush Valve

6

EA

510.00

3,060

Electronic Lav Faucet

6

EA

485.00

2,910

Gas Fired Water Heater:

WH

1

EA

9,500.00

9,500

WH Piping and valve

1

LS

4,500.00

4,500

Mixing Valve:

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
MV-1 - 3/4"	1	EA	2,100.00	2,100
Water accessories:				
Hose bibb	4	EA	1,100.00	4,400
FP wall hydrant	4	EA	1,100.00	4,400
Roof/Storm Drain System				
Underground D/W/V Pipe				
4"	250	LF	48.00	12,000
6"	250	LF	66.00	16,500
FCO	8	EA	525.00	4,200
Above Ground D/W/V Pipe:				
4"	450	LF	45.50	20,475
6"	200	LF	65.00	13,000
CO	7	EA	500.00	3,500
Twin bowl RD	15	EA	1,425.00	21,375
Add for overflow drains	1	LS	7,500.00	7,500
Sanitary System				
Underground D/W/V Pipe:				
1/2" Trap primary	50	LF	25.00	1,250
4"	200	LF	42.00	8,400
6"	350	LF	65.00	22,750
FCO	8	EA	500.00	4,000
Floor Drain - Mech and Toilet	9	EA	910.00	8,190
Above Ground D/W/V Pipe:				
Fixture Rough-in	22	EA	1,700.00	37,400
Copper Pipe Type L:				
Fixture Rough-in	22	EA	1,400.00	30,800
Gas Pipe:				
Service Connection	50	LF	75.00	3,750
Boiler Piping	100	LF	65.00	6,500
RTU Piping	600	LF	40.00	24,000
Gas meter rough-in	1	EA	1,500.00	1,500
Water service and valve assembly	1	LS	7,200.00	7,200
Water meter rough-in and install	1	LS	1,000.00	1,000
BF preventer - Mech	1	LS	950.00	950
Test, clean up, permit, misc	1	LS	10,000.00	10,000

				336,635

DIVISION 23 - HVAC

230000 HVAC*

Boiler:

Condensing Gas Boiler - (kbhn-601)	1	EA	16,500.00	16,500
Air separator	1	EA	3,200.00	3,200
Expansion tank	1	EA	2,800.00	2,800

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Chemical feed	1	LS	7,800.00	7,800
Boiler, piping, flue valve and trim	1	LS	10,000.00	10,000
Tie-in existing boiler	1	LS	5,000.00	5,000
Pumps:				
P1 & P2 (100 GPMJ)	2	EA	3,500.00	7,000
P3 & P4 (100 GPMJ)	2	EA	6,500.00	13,000
P5	1	EA	1,500.00	1,500
VFD Drive	2	EA	2,200.00	4,400
DX Roof Units w/ Gas Heat:				
RTU-1	7,500	CFM	11.00	82,500
RTU-2	12,000	CFM	11.00	132,000
RTU-3	6,000	CFM	9.50	57,000
ERU - 1	1	EA	5,000.00	5,000
Hydraunic Heating Systems:				
Cabinet Heater	6	EA	2,850.00	17,100
Unit Heater	4	EA	1,200.00	4,800
Electric	2	EA	950.00	1,900
Runtal Baseboard Unit	350	LF	135.00	47,250
Fans:				
ILF-1 Inline exhaust	3	EA	1,650.00	4,950
Roof Exhaust fan	2	EA	2,650.00	5,300
Libert Dehumidifier Unit	1	LS	15,000.00	15,000
DDC Controls:				
Temperature Control	25,457	SF	4.25	108,192
Air Distribution				
VAV w/ reheat	32	EA	1,800.00	57,600
Galv Ductwork	25,457	LBS	9.75	248,206
Duct Insulation	21,000	SF	4.10	86,100
Grills and Dampers	25,457	SF	0.65	16,547
HVAC Pipe	25,457	SF	3.20	81,462
Test and Balance	41,358	GSF	0.65	26,883
Misc. HVAC coordination, gc	1	LS	15,000.00	15,000

				1,083,990

DIVISION 26 - ELECTRICAL

260000 ELECTRICAL*

800 amp Service	1	LS	28,000.00	28,000
Panels and Feeders	25,457	GSF	2.30	58,551
Digital Metering add	1	LS	10,000.00	10,000
General Purpose Power	25,457	GSF	2.60	66,188
Lighting	25,457	GSF	10.00	254,570
Lighting Control	25,457	GSF	2.50	63,643

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Fire Alarm	25,457	GSF	2.00	50,914
Security and CCTV	25,457	GSF	5.00	127,285
Tele/data (inc wiring)	25,457	GSF	3.50	89,100
AV Rough in	25,457	GSF	0.50	12,729
Mechanical wiring	25,457	GSF	1.75	44,550
Emergency Generator - 150 kw	1	LS	85,000.00	85,000
DAS	1	LS	32,000.00	32,000
Public Address	25,457	GSF	1.15	29,276
Lightning Protection	1	LS	28,000.00	28,000
Technology System and Equipment		NIC		

				979,804

DIVISION 31 - EARTHWORK

310000 EARTHWORK

Soil Retention:

Church parking lot	100	LF	1,500.00	150,000
8 Parkman Residence	95	LF	1,500.00	142,500
Parkman Street	75	LF	1,500.00	112,500
Excavate lower level	3,000	CY	12.00	36,000
Excavate foundation	1,200	CY	12.00	14,400
Foundation backfill (on site mat'l)	1,500	CY	25.00	37,500
Hand excavate at existing construction	1	LS	10,000.00	10,000
Haul Spoil	4,200	CY	20.00	84,000
12" Gravel @ SOG	317	CY	24.00	7,608
Dewatering	1	LS	15,000.00	15,000
Ledge removal-open pneumatic	1,300	CY	85.00	110,500
Ledge Removal - trench	510	CY	100.00	51,000
Under slab drainage - allow		N/A		
Perim found drain	400	LF	28.00	11,200
*Assumes suitable soil				
*Assumes ledge removal (non explosive)				

				782,208

PROJECT: Westborough Public Library
 LOCATION: Westborough, MA
 CLIENT: Lamoureux Pagano Assoc. Architects
 DATE: 01-Sep-16
 No.: 16088

NO. OF SQ. FT.: 5,259
 COST PER SQ. FT.: \$247.96

*GSF Excludes exterior wall
RENOVATION

SUMMARY

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 02 - EXISTING CONDITIONS			
022820 ASBESTOS REMEDIATION	0	0%	0.00
024119 SELECTIVE DEMOLITION	62,515	5%	11.89
DIVISION 03 - CONCRETE			
033000 CAST IN PLACE CONCRETE	5,000	0%	0.95
DIVISION 04 - MASONRY			
042001 MASONRY*	142,638	11%	27.12
DIVISION 05 - METALS			
050001 MISCELLANEOUS & ORNAMENTAL IRON*	49,118	4%	9.34
051200 STRUCTURAL STEEL FRAMING	0	0%	0.00
053100 STEEL DECKING	0	0%	0.00
054000 COLD FORMED METAL FRAMING	0	0%	0.00
DIVISION 06 - WOOD, PLASTICS & COMPOSITES			
061000 ROUGH CARPENTRY	11,800	1%	2.24
062000 FINISH CARPENTRY	47,443	4%	9.02
064000 ARCHITECTURAL WOODWORK	0	0%	0.00
DIVISION 07 - THERMAL & MOISTURE PROTECTION			
071000 DAMPPROOF., WATERPROOF. & CAULKING*	4,515	0%	0.86
070002 ROOFING AND FLASHING*	90,880	7%	17.28
072100 THERMAL INSULATION	1,578	0%	0.30
072600 VAPOR RETARDERS	0	0%	0.00
074200 METAL WALL PANELS	0	0%	0.00
078100 APPLIED FIREPROOFING	0	0%	0.00
078400 FIRESTOPPING	0	0%	0.00
079513 EXPANSION JOINT COVERS	0	0%	0.00
DIVISION 08 - OPENINGS			
080005 METAL WINDOWS*	0	0%	0.00
080152 ALUM CLAD WOOD WINDOW	120,795	9%	22.97
081113 HOLLOW METAL DOORS AND FRAMES	32,230	2%	6.13
081416 WOOD DOORS	0	0%	0.00
083100 ACCESS DOORS AND PANELS	0	0%	0.00
087100 DOOR HARDWARE	0	0%	0.00
088000 GLAZING*	10,000	1%	1.90
089000 LOUVERS AND VENTS	0	0%	0.00
DIVISION 09 - FINISHES			
090002 GYPSUM WALLBOARD & PLASTER PATCHING	53,754	4%	10.22
090003 TILE*	10,474	1%	1.99
090006 RESILIENT FLOORING*	13,073	1%	2.49
090009 PAINTING*	41,435	3%	7.88
095100 ACOUSTICAL CEILINGS*	0	0%	0.00
096429 WOOD STRIP FLOORING	9,591	1%	1.82
096800 CARPETING	15,574	1%	2.96
098400 ACOUSTIC ROOM COMPONENTS	0	0%	0.00

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 10 - SPECIALTIES	SEE ADDITION		
DIVISION 11 - EQUIPMENT	SEE ADDITION		
DIVISION 12 - FURNISHINGS 122400 WINDOW SHADES	6,040	0%	1.15
DIVISION 13 - SPECIAL CONSTRUCTION 130000 SPECIAL CONSTRUCTION	0	0%	0.00
DIVISION 14 - CONVEYING EQUIPMENT 142000 ELEVATORS & LIFTS*	35,000	3%	6.66
DIVISION 21 - FIRE SUPPRESSION 210000 FIRE SUPPRESSION*	44,238	3%	8.41
DIVISION 22 - PLUMBING 220000 PLUMBING*	22,000	2%	4.18
DIVISION 23 - HVAC 230000 HVAC*	260,988	20%	49.63
DIVISION 26 - ELECTRICAL 260000 ELECTRICAL*	213,360	16%	40.57
DIRECT COST	----- 1,304,037	100%	247.96

*DENOTES FILED SUB-BID

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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DIVISION 02 - EXISTING CONDITIONS

022820 ASBESTOS REMEDIATION See Grand Summary

0

024119 SELECTIVE DEMOLITION

North Elev Building Exterior Remove Existing @ Addition Tie:

Egress door & frame - sgl	2	EA	150.00	300
Roof fascia & eave @ connector	1	LS	2,500.00	2,500
LL area way louver	1	SF	100.00	100
LL Egress areaway -complete	30	GSF	35.00	1,050
Fire escape	1	EA	1,200.00	1,200
UL connector sgl dr open	21	SF	35.00	735
UL connector sgl dr open	42	SF	35.00	1,470
Misc. Exterior Demolition	1	LS	5,000.00	5,000

Typ Building Exterior Remove Existing:

Window /transom for replacement (27 EA)	772	SF	15.00	11,580
Guardrail @ entry stair (1loc)	7	LF	20.00	140
Sign @ main entry stair	2	EA	150.00	300
Misc. Exterior Demolition	1	LS	3,000.00	3,000

Building Interior Remove Existing:

Plumbing fixture	6	EA	55.00	330
UL masonry wall -new sgl dr open.	1	LOC	2,500.00	2,500
Toilet Rm fixtures & finishes (2 loc)	128	GSF	7.50	960
Salvage stair hall Door & frame - dbl	1	EA	150.00	150
LL appliances @employees rm	1	LS	200.00	200
Carpet & resilient flr fin. -allow	5,259	GSF	1.25	6,574
Stair LL- ML finish	2	FLT	500.00	1,000
Clg sys. as necessary @ mep-allow	5,259	GSF	2.00	10,518
Window blinds - allow	25	EA	50.00	1,250
Connector ramp (1 loc)	38	SF	30.00	1,140
Misc. Interior Demolition	5,259	GSF	2.00	10,518

*Roofing and flashing removal included with 070002

*Window removal also included in 080152

62,515

DIVISION 03 - CONCRETE

033000 CAST IN PLACE CONCRETE

Slab on grade infill / patching - allow	1	LS	5,000.00	5,000
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DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
				5,000
DIVISION 04 - MASONRY				
042001 MASONRY*				
Exterior Masonry Restoration:				
Clean masonry 100%	3,292	SF	3.50	11,522
Repoint brick 50%	1,036	SF	26.00	26,936
Repoint stone trim 50%	385	SF	32.00	12,320
Repoint granite base 50%	225	SF	32.00	7,200
Clean masonry Chimney (2 EA)100%	384	SF	10.00	3,840
Chimney (2 EA) 50% repoint	192	SF	35.00	6,720
Chimney Flashing	2	EA	1,500.00	3,000
Fireplace/flue repair (2 EA)		NIC		
Entry stair cleaning & repairs	1	FLT	10,000.00	10,000
Areaway cleaning & repairs	2	LOC	1,000.00	2,000
Found wall cleaning & repairs	1	LS	50,000.00	50,000
Interior Masonry Restoration -allow:				
LL gen rm infill open.	1	LOC	1,500.00	1,500
UL new sgl dr open.	1	LOC	2,600.00	2,600
UL new dbl dr open.	1	LOC	3,200.00	3,200
UL infill sgl dr open.	1	LOC	1,800.00	1,800
*Excludes new CMU partitions				
*Includes Sections 034500, 040125 & 040129				

				142,638

DIVISION 05 - METALS

050001 MISCELLANEOUS & ORNAMENTAL IRON*

ADA stair hall upgrades:				
LL - main entry straight 8' 8' H	2	FLT	5,500.00	11,000
Main entry - ML straight 2' 2" H	1	FLT	5,500.00	5,500
ML - UL switch back 13' H	2	FLT	7,500.00	15,000
Guardrail (@) entry stair (1 loc)	7	LF	300.00	2,100
Ext bird control devices	1	LS	5,000.00	5,000
Misc. bldg metals	5,259	GSF	2.00	10,518

				49,118

051200 STRUCTURAL STEEL FRAMING

Seismic upgrade		NIC		
Reinforce flr structure		NIC		
Reinforce roof structure		NIC		

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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0

DIVISION 06 - WOOD, PLASTICS & COMPOSITES

061000 ROUGH CARPENTRY

Reframe roof edge (@) connector	55	LF	50.00	2,750
Replacement window perim blk	540	LF	7.50	4,050
Misc. rough carpentry	1	LS	5,000.00	5,000
*Includes Section 061600				-----
				11,800

062000 FINISH CARPENTRY

Restore Exterior Trim - Allow:				
Exist. Built-up roof fascia/eave	560	SF	15.00	8,400
Exist. Built-up gable	55	SF	15.00	825
Exist. Window perim trim	540	LF	10.00	5,400
Exist. window & entry panel	200	SF	15.00	3,000
Restore Interior Trim:				
Windows	540	LF	15.00	8,100
Misc. interior trim restoration	5,259	GSF	1.00	5,259
Custom Casework:				
LL Friends rm		NIC		
ML collections		NIC		
UL display case (1 EA)	23	SF	150.00	3,450
UL Westborough rm		NIC		
UL Play rm		NIC		
Misc. casework	1	LS	5,000.00	5,000
New Interior Trim:				
Cased opening (@) ML connector	1	LOC	1,500.00	1,500
Door surround (@) ML stair	1	LOC	1,250.00	1,250
Misc. new interior trim	5,259	GSF	1.00	5,259

				47,443

DIVISION 07 - THERMAL & MOISTURE PROTECTION

071000 DAMPPROOF., WATERPROOF. & CAULKING*

Ext. found. waterproofing & prot bd		NIC		
Joint sealants - interior	5,259	GSF	0.25	1,315
Control joint new to existing	80	LF	40.00	3,200

*Includes Sections 071353, 072713 & 079200

4,515

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
070002 ROOFING AND FLASHING*				
High Sloped Roof:				
Restore copper skylight	1	LS	15,000.00	15,000
Repair/replace slate - allow	1	LS	25,000.00	25,000
New Copper Chimney cricket	2	EA	1,500.00	3,000
Restore / repair built in copper gutter	174	LF	100.00	17,400
Restore / repair Downspouts (8 EA)	256	LF	80.00	20,480
Misc. flashing repairs	1	LS	10,000.00	10,000
*Includes Sections 072726, 075113, 076120, 076200, 0771000 & 077200				-----
				90,880
072100 THERMAL INSULATION				
Ext. foundation rigid insul.		NIC		
Ext. wall insul.		NIC		
Roof insul		NIC		
Firestopping	5,259	GSF	0.30	1,578
*Includes Section 072131				-----
				1,578
079513 EXPANSION JOINT COVERS				
W/ ADDITION				

				0
DIVISION 08 - OPENINGS				
080005 METAL WINDOWS*				
N/A				

				0
080152 ALUM CLAD WOOD WINDOW				
Historic Window Replacement - Marvin Ultimate Series:				
Typ window (20 EA)	517	SF	135.00	69,795
Rad top wd window /transom (7 EA)	255	SF	200.00	51,000

				120,795
081113 HOLLOW METAL DOORS AND FRAMES				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Int HM Borrowed Light (Inc Glass & Glazing):				
7' Sidelight - typ (1 EA)	21	SF	80.00	1,680
BL 1 & 2 (5'H)	60	SF	80.00	4,800
7' New Interior Door, HM Frame , Hardware, Glass & Glazing:				
Program rm - sgl	2	EA	1,500.00	3,000
Admin - sgl	1	EA	1,500.00	1,500
Storage rm - sgl	1	EA	1,000.00	1,000
Mech/elec rm - sgl	1	EA	1,000.00	1,000
UL connector - dbl	1	EA	5,000.00	5,000
Restore Existing Door & Frame - New Hdw Set:				
Ext Main entry - dbl	1	EA	3,000.00	3,000
vest / stair hall - dbl	2	EA	3,000.00	6,000
LL connector - sgl	1	EA	1,500.00	1,500
Admin - sgl	1	EA	750.00	750
Basement stair hall - sgl	2	EA	500.00	1,000
Toilet rm - sgl	2	EA	500.00	1,000
Mech/elec rm - sgl	2	EA	500.00	1,000

				32,230
081416 WOOD DOORS		W / 081113		

				0
083100 ACCESS DOORS AND PANELS		W/ ADDITION		

				0
087100 DOOR HARDWARE				
*Finish hardware is included in 080005 & 081113				

				0
088000 GLAZING*				
Misc. glass & glazing	1	LS	10,000.00	10,000
*Glass and glazing also included in Sections 080005, 080152 & 081113				

				10,000

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
089000 LOUVERS AND VENTS		W/ ADDITION		----- 0
DIVISION 09 - FINISHES				
090002 GYPSUM WALLBOARD & PLASTER PATCHING				
GWB Partitions:				
Infill wall @ LL friends rm BL 1 & 2 (1 lo	80	SF	20.00	1,600
Infill wall @stair hall ML (1 loc)	110	SF	20.00	2,200
ML Shaft wall (2 loc)	100	SF	22.00	2,200
Repair @ connector opening	4	LOC	300.00	1,200
Furr w/ gyp @ existing		NIC		
Misc. gypsum wallboard assemblies	5,259	GSF	1.00	5,259
Restore/Patch ceiling	5,259	SF	5.00	26,295
Gyp soffits	1	LS	5,000.00	5,000
Misc. Lath & Plaster patching -allow	1	LS	10,000.00	10,000
				----- 53,754
090003 TILE*				
Renovate Toilet Room (2 EA):				
Ceramic floor tile	128	SF	23.00	2,944
Ceramic wall base	60	LF	12.00	720
Ceramic wall tile 5' typical	300	SF	20.00	6,000
Marble threshold	2	EA	75.00	150
Tile backer bd premium	300	SF	2.20	660
				----- 10,474
090006 RESILIENT FLOORING*				
Floor prep	885	GSF	5.50	4,868
LL Resilient tile	885	SF	7.00	6,195
Resilient base	1	LS	750.00	750
Rubber stair fin (LL - main entry)	90	LFT	14.00	1,260
*Includes 090506, 096103, 096513, 096519, 096523, 096543				
				----- 13,073
090009 PAINTING*				
Int. painting (incl. wd trim)	5,259	GSF	5.00	26,295
*Excludes wall covering				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Exterior Painting (Scrape, prepared & paint):				
Exist. Built-up roof fascia/eave	560	SF	16.00	8,960
Exist. Built-up gable	55	SF	16.00	880
Exist. window & entry panel	200	SF	12.00	2,400
Exist Main entry door - dbl	1	EA	400.00	400
Misc. exterior painting	1	LS	2,500.00	2,500
*Includes Lead paint awareness				

				41,435
095100 ACOUSTICAL CEILINGS*				
		NIC		

				0
096429 WOOD STRIP FLOORING				
UL Refinish hardwood flooring	819	SF	5.00	4,095
Misc patching hardwood flooring 10%	82	SF	25.00	2,050
Refinish stair tread (main entry -UL 2 FLT)	135	LFT	10.00	1,350
Refinish stair landing (main entry -UL 2 FLT)	262	SF	8.00	2,096

				9,591
096800 CARPETING				
Floor prep	1,811	GSF	2.00	3,622
Carpet	201	SY	52.00	10,452
Vestibule mat -allow	1	EA	1,500.00	1,500

				15,574
098400 ACOUSTIC ROOM COMPONENTS				
Acoustical wall panels - allow		SEE ADDITION		0

				0
DIVISION 10 - SPECIALTIES				
		SEE ADDITION		

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
DIVISION 11 - EQUIPMENT		SEE ADDITION		
DIVISION 12 - FURNISHINGS				
122400 WINDOW SHADES				
Window shades - manual op (26 EA)	755	SF	8.00	6,040

				6,040
DIVISION 13 - SPECIAL CONSTRUCTION				
130000 SPECIAL CONSTRUCTION		N/A		
				0

				0
DIVISION 14 - CONVEYING EQUIPMENT				
142000 ELEVATORS & LIFTS*				
LL chair lift (2 stop) *750 lb	1	LS	35,000.00	35,000

				35,000
DIVISION 21 - FIRE SUPPRESSION				
210000 FIRE SUPPRESSION*				
Fire protection - renovation:				
Typ wet system	5,259	GSF	6.00	31,554
Dry attic system	1,812	GSF	7.00	12,684

				44,238
DIVISION 22 - PLUMBING				
220000 PLUMBING*				
Demolition & disconnects	1	LS	1,500.00	1,500

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Replace Fixtures:				
Water closet ADA	2	EA	4,500.00	9,000
Lavatory ADA	2	EA	4,500.00	9,000
Misc. Plumbing	1	LS	2,500.00	2,500
*See addition for complete detail				

				22,000
DIVISION 23 - HVAC				
230000 HVAC*				
Demolition & disconnects	1	LS	5,000.00	5,000
16 Ton VRF System	5,259	GSF	28.00	147,252
ERV Green heck Mini-vent 750	1	LS	7,500.00	7,500
Ductwork, grills, register, insul	5,259	SF	12.00	63,108
HW Piping	5,259	SF	3.00	15,777
Temp Control	5,259	SF	4.25	22,351

				260,988
DIVISION 26 - ELECTRICAL				
260000 ELECTRICAL*				
Demolition & disconnects	1	LS	3,000.00	3,000
Electrical - renovation	5,259	GSF	40.00	210,360

				213,360
DIVISION 31 - EARTHWORK				
310000 EARTHWORK				
		N/A		-----
				0

PROJECT: Westborough Public Library
 LOCATION: Westborough, MA
 CLIENT: Lamoureux Pagano Assoc. Architects
 DATE: 01-Sep-16
 No.: 16088

SUMMARY

SITework

	DIVISION TOTAL	PERCENT OF PROJECT
DIVISION 02 - EXISTING CONDITIONS		
022820 ASBESTOS REMEDIATION	0	0%
024119 SELECTIVE DEMOLITION	0	0%
DIVISION 31 - EARTHWORK		
310000 EARTHWORK	25,798	7%
311000 SITE PREPARATION & CLEARING	51,841	15%
DIVISION 32 - EXTERIOR IMPROVEMENTS		
320000 PAVEMENT, CURBING & EDGING	60,079	17%
323100 SITE IMPROVEMENTS	62,885	18%
328000 IRRIGATION	0	0%
329000 LANDSCAPING	46,054	13%
DIVISION 33 - UTILITIES		
330000 UTILITIES	104,825	30%
 DIRECT COST	 ----- 351,482	 100%

*DENOTES FILED SUB-BID

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
DIVISION 02 - EXISTING CONDITIONS				
022820 ASBESTOS REMEDIATION	See Grand Summary			----- 0
024119 SELECTIVE DEMOLITION	See Grand Summary			----- 0
DIVISION 31 - EARTHWORK				
310000 EARTHWORK				
Site grading, cut and fill	1	LS	15,000.00	15,000
Gravel paving base 8" walks	85	CY	30.00	2,550
Gravel paving base 12" drives	116	CY	28.00	3,248
Excavate site amenities	1	LS	5,000.00	5,000
*Assumes suitable soil				----- 25,798
311000 SITE PREPARATION & CLEARING				
Erosion control	600	LF	5.00	3,000
Construction fence	600	LF	14.00	8,400
Dbl Construction entrance- 12'w	2	LOC	3,500.00	7,000
Cut and cap utilities	1	LS	2,500.00	2,500
Selective tree removal	7	EA	750.00	5,250
Strip and stack topsoil 6" - allow	100	CY	12.00	1,200
Saw cut drive	460	LF	7.00	3,220
Saw cut walk	16	LF	5.00	80
Site - Remove Existing:				
Conc. walk	1,600	SF	2.00	3,200
Bit. drive/parking	6,762	SF	1.50	10,143
Salvage granite street curb (@) entry	214	LF	18.00	3,852
Retaining wall col x0.8	11	LF	50.00	550
Children's reading rm patio	223	GSF	2.00	446
Misc. site preparations	1	LS	3,000.00	3,000
				----- 51,841
DIVISION 32 - EXTERIOR IMPROVEMENTS				
320000 PAVEMENT, CURBING & EDGING				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
5" Concrete walk pavement	3,438	SF	7.50	25,785
Bituminous - Drive/Parking (1 1/2" Base w/1 1/2"fin.):				
Church parking	349	SY	28.00	9,772
Parkman Street	436	SY	28.00	12,208
Pavement striping & markings	1	LS	3,500.00	3,500
Site granite curb - straight	203	LF	38.00	7,714
Site granite curb radial	9	LF	50.00	450
HC paver	2	EA	325.00	650

				60,079

323100 SITE IMPROVEMENTS

Allowance (Per Outline):				
Bench	3	EA	2,500.00	7,500
Flagpole	1	EA	4,500.00	4,500
NW property line fence -allow	100	LF	75.00	7,500
NW property line gate -allow	1	EA	2,000.00	2,000
Decorative mtl fence -allow	100	LF	150.00	15,000
Decorative mtl gate -allow	1	EA	2,500.00	2,500
Trash receptacle	2	EA	1,200.00	2,400
Decorative bollards @ entry -allow	4	EA	1,500.00	6,000
PT wood guardrail	113	LF	45.00	5,085
Bollard @ mech pad	4	EA	750.00	3,000
Site sign		Existing		
Traffic / parking signage - allow	1	LS	1,500.00	1,500
Bicycle loop	2	EA	450.00	900
Granite bench		Remains		
Misc. site improvements	1	LS	5,000.00	5,000

				62,885

328000 IRRIGATION

N/A

0

0

329000 LANDSCAPING

Tree protection & pruning	6	EA	300.00	1,800
Relocate cherry tree	1	EA	4,000.00	4,000
Perennials & ground cover	1,550	SF	5.00	7,750
New trees and shrubs -allow	1	LS	20,000.00	20,000
Mulch	1	LS	3,000.00	3,000

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Loam & seed	642	SY	12.00	7,704
Steel landscape edging -allow	120	LF	15.00	1,800

				46,054
DIVISION 33 - UTILITIES				
330000 UTILITIES				
Sanitary:				
St. connection - new SMH	1	EA	7,500.00	7,500
Sanitary line	43	LF	100.00	4,300
Water:				
4" Main	30	LF	95.00	2,850
2" Domestic	20	LF	72.00	1,440
4" Fire service	28	LF	95.00	2,660
Dom gate valve	1	EA	1,100.00	1,100
FP gate valve	1	EA	1,100.00	1,100
Street connection (inc. detail)	1	LS	9,000.00	9,000
*Excludes fire pump				
Site Drainage:				
Site connection - exist. DMH	1	EA	5,000.00	5,000
New Drain manhole	1	EA	3,600.00	3,600
Area way drain-allow	1	EA	1,800.00	1,800
Drain line	140	LF	85.00	11,900
Electric:				
Primary	40	LF	85.00	3,400
Secondary	15	LF	85.00	1,275
Transformer pad	1	EA	3,000.00	3,000
Generator pad	1	EA	3,000.00	3,000
Site Lighting	1	LS	35,000.00	35,000
*Remove and relocate utility poles				
		By Others		
Mechanical:				
Replace gas service - trench and backfill	80	LF	55.00	4,400
Gas meter pad		Existing		
Walk / st patch @ gas service	1	LS	2,500.00	2,500
*Utilities include excavation and backfill				
*Excludes Utility Co. back charges				

				104,825

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
ALTERNATE NO. 1 - WEST MAIN STREET ENTRANCE ADA IMPROVEMENTS				
Add:				
Exterior ramp -30" H	2.5	VLF	50,000.00	125,000
Int. chair lift - 26"H	1	LS	30,000.00	30,000
SUBTOTAL				155,000
GENERAL CONDITIONS		0%		0
SUBTOTAL				155,000
GENERAL REQUIREMENTS		3%		4,650
SUBTOTAL				159,650
P&P BOND AND INSURANCE		2.00%		3,193
SUBTOTAL				162,843
BUILDING PERMIT		0.00%		0
SUBTOTAL				162,843
DESIGN CONTINGENCY		12%		19,541
SUBTOTAL				182,384
CM FEE		4%		7,295
SUBTOTAL				189,680
CM CONTINGENCY		4%		7,587
SUBTOTAL				197,267
ESCALATION		8%		15,781
TOTAL ALTERNATE NO. 1				213,048