



Stow Town Hall Restoration
375 Great Road
Stow, MA

August 23, 2021

Construction Document Estimate



Architect:

Mills Whitaker Architects LLC
P O Box 750089
Arlington, MA 02475
(617) 876 7611

Cost Consultant:

CHA Consulting, Inc.
1 Faneuil Hall Marketplace
South Market Bldg, 3rd Floor
Boston, MA 02109
(617) 451 2717

Project Description:

Rehabilitation of the historic Stow Town Hall includes making building handicap accessible, replacement of electrical and mechanical systems, improve life safety and enhance facility usability

Stow Town Hall is a wood framed 2-story 5,833gsf building

Scope of work has been allocated to four cost centers;

- Building System Upgrades

- Accessibility Requirements

- Improve Support Facilities

- Site and Building Restoration and Repairs

Project Particulars:

Pricing Set Drawings and Project Manual dated July 1, 2021 prepared by Mills Whitaker Architects

Design Team clarifications and supplemental information during estimating production period

Detailed quantity takeoffs where possible from design package documents

CHA Consulting experience with similar projects of this nature

Design intent and scope review discussions with Mills Whitaker, and their Consultant Design Team

COST CENTER SUMMARY

ELEMENT	BUILDING SYSTEMS	ACCESSIBILITY	SUPPORT FACILITIES	RESTORATION
1.a. Insulate Building Envelope	\$312,625			
1.b. Roof Structure Reinforcement	\$438,668			
1.c. Replace HVAC System	\$425,980			
1.d. Exterior VRF Equipment	\$58,820			
1.e. Upgrade Electrical Systems	\$335,786			
1.f. Window Restoration	\$128,974			
2.a. New LULA		\$204,960		
2.b. Reconstruct Ell Stairs		\$42,341		
2.c. New Accessible Ramp to Stage		\$32,054		
2.d. Replace Interior Doors		\$136,998		
2.e. Replace Fire Alarm		\$77,772		
2.f. Expand Restrooms		\$122,713		
2.g. Repair Front Entrance		\$80,373		
2.h. Upgrade Accessible Parking Space		\$95,900		
3.a. Upgrade Entrance to Ground Floor			\$12,921	
3.b. Accessible Kitchenette			\$14,599	
3.c. Audiovisual System in Great Hall			\$365,000	
3.d. Event Performance Lighting in Great Hall			\$49,400	
3.e. Storage Room in Great Hall			\$4,018	
3.f. Two New Meeting Rooms			\$10,454	
3.g. Larger Office for Historical Commission			\$21,005	
3.h. Large Storage Room in Ground Floor			\$6,077	
3.i. Two New Custodial Closets			\$5,050	
3.j. Reconfigure Balcony Level Seating			\$10,465	
3.k. AV Equipment Control Area in Balcony			\$4,500	
4.a. Replace Ramp At 1895 With Accessible Walkway				\$28,358
4.b. Remove Exterior Fire Escape				\$13,600
4.c. Remove Ramp to Lower Level				\$15,565
4.d. Reconstruct Stone Retaining Wall				\$38,335
4.e. Address Ongoing Water Infiltration				\$255,319
4.f. Reconfigure Front Entrance Site Area				\$381,392
4.g. Enhanced Exterior Lighting				\$23,900
4.h. Restoration Embossed Tin Ceiling				\$26,865
4.i. Restoration other than Cost Centers listed above				\$403,177
Estimated Construction Cost Total	\$1,700,853	\$793,111	\$503,488	\$1,186,511
MASTER PLAN TOTAL	\$4,183,963			

Project Assumptions:

Conventional Design/Bid/Build process
 Bidding procedures and award of the trade contracts shall be in accordance with the provisions of Commonwealth of Massachusetts General Laws Chapter 149, including Filed Sub-Bids
 The project will be built by a General Contractor under a single prime contract
 The Total Estimated Construction Cost reflects the fair construction value of this project in a competitive bidding market and includes cost escalation to cover the construction duration
 Our costs assume that there will be at least three subcontractors submitting unrestricted bids in each trade bid category
 Direct trade unit rates include escalation to mid-point of construction duration and prevailing wage labor rates. These unit rates continue to be updated during the design period
 Entire building will be vacant during construction
 Lay-down/storage area, jobsite shed and trailers, and construction entrance will be located adjacent to Project area
 Operation during normal working hours
 Noise and vibration disturbances are anticipated and will be minimized or avoided during normal business hours
 Subcontractor's markups are included in each unit rate. These markups cover field and home office overhead and subcontractor's profit
 Design and Pricing Contingency markup is an allowance for unforeseen design issues, design detail development and specification clarifications during the design period. This allowance typically reduces during the design period, to more accurately reflect the designed scope of work progress
 General Conditions covers supervision, general facilities to support this project, and site office overhead that is not attributable to the direct trade costs
 Project Requirements covers scaffolding, staging and access, temporary protection, temporary egress, noise and dust control, and cleaning
 Anticipated start of construction is July 1, 2022 for 11½ months duration and completion June 15, 2023
 Escalation allowance from now to anticipated start of construction has been carried at a rate of 5% per year in the Main Summary

Construction Cost Estimate Exclusions:

Unforeseen Conditions Contingency
 Work beyond the boundary of the site
 Site or existing condition surveys and investigations
 Architectural/Engineering; Designer and other Professional fees, testing, printing, surveys and investigations
 Owner's administration, legal fees, advertising, permitting, Owner's insurance, interest expense, site representation, project administration
 Project costs; utility company back charges prior to construction, construction of swing space and temporary facilities, program related phasing, relocation
 Owner furnished and installed products; computer networking, desks, chairs, furnishings, equipment, artwork, loose case goods and other similar items
 Third Party testing and commissioning
 Building permit fees

MAIN SUMMARY

ELEMENT		BUILDING SYSTEMS	ACCESSIBILITY	SUPPORT FACILITIES	RESTORATION	TOTAL	COST/SF
Direct Trade Details		\$1,246,853	\$473,811	\$99,488	\$852,611	\$2,672,764	\$458.21
Design and Pricing Contingency	5.00%	\$62,000	\$24,000	\$5,000	\$43,000	\$134,000	\$22.97
Direct Trade Cost Total		\$1,308,853	\$497,811	\$104,488	\$895,611	\$2,806,764	\$481.19
Burdens and Markups							
General Conditions, Project Requirements, Overhead	12 MTH	\$151,000	\$57,000	\$12,000	\$103,000	\$323,000	\$55.37
Performance and Payment Bonds	0.70%	\$9,000	\$3,000	\$1,000	\$6,000	\$19,000	\$3.26
Insurance	1.25%	\$22,000	\$9,000	\$2,000	\$15,000	\$48,000	\$8.23
Police Details, Street/Sidewalk Permits	0.50%	\$9,000	\$4,000	\$1,000	\$6,000	\$20,000	\$3.43
Profit	3.00%	\$45,000	\$17,000	\$4,000	\$31,000	\$97,000	\$16.63
Estimated Construction Cost Total		\$1,544,853	\$587,811	\$124,488	\$1,056,611	\$3,313,764	\$568.11
Escalation Allowance to Start of Construction	4.58%	\$71,000	\$27,000	\$6,000	\$48,000	\$152,000	\$26.06
Estimated Construction Cost Total		\$1,700,853	\$647,811	\$138,488	\$1,162,611	\$3,649,764	\$625.71
Alternates							
Audiovisual System in Great Hall		\$0	\$0	\$365,000	\$0	\$365,000	\$62.58
Great Hall Event Lighting and Controls		\$0	\$49,400	\$0	\$0	\$49,400	\$8.47
Upgrade Illumination of Exterior Façade		\$0	\$0	\$0	\$23,900	\$23,900	\$4.10
Improve Crescent Street Accessible Parking and Route		\$0	\$95,900	\$0	\$0	\$95,900	\$16.44
Estimated Construction Cost at Bid Opening		\$1,700,853	\$793,111	\$503,488	\$1,186,511	\$4,183,964	\$717.29

DIRECT TRADE COST SUMMARY

ELEMENT	Filed Sub-Bid	BUILDING SYSTEMS	ACCESSIBILITY	SUPPORT FACILITIES	RESTORATION	TOTAL	COST/SF
02 41 00 Demolition		\$108,899	\$18,054	\$10,511	\$88,407	\$225,871	\$38.72
02 82 00 Asbestos Remediation					\$40,000	\$40,000	\$6.86
02 EXISTING CONDITIONS		\$108,899	\$18,054	\$10,511	\$128,407	\$265,871	\$45.58
03 30 00 Cast-In-Place Concrete		\$28,125	\$7,625		\$23,415	\$59,165	\$10.14
03 CONCRETE		\$28,125	\$7,625		\$23,415	\$59,165	\$10.14
04 43 00 Stone Masonry		\$6,000	\$8,755		\$73,175	\$87,930	\$15.07
04 43 00 Stone Masonry Total		\$6,000	\$8,755		\$73,175	\$87,930	\$15.07
05 12 23 Structural Steel for Buildings		\$53,375			\$21,000	\$74,375	\$12.75
05 50 00 ***Metal Fabrications	\$27,400		\$19,400		\$8,000	\$27,400	\$4.70
05 METALS		\$53,375	\$19,400		\$29,000	\$101,775	\$17.45
06 00 00 Carpentry		\$112,023	\$131,603	\$25,501	\$20,056	\$289,184	\$49.58
06 WOODS, PLASTICS, & COMPOSITES		\$112,023	\$131,603	\$25,501	\$20,056	\$289,184	\$49.58
07 00 00 Waterproofing and Sealants			\$2,805		\$42,683	\$45,488	\$7.80
07 21 19 Foam-in-Place Insulation		\$46,273			\$2,500	\$48,773	\$8.36
07 46 23 Wood Siding		\$1,630		\$1,630	\$5,000	\$8,260	\$1.42
07 THERMAL & MOISTURE PROTECTION		\$47,904	\$2,805	\$1,630	\$50,183	\$102,522	\$17.58
08 10 00 Doors, Frames and Hardware			\$54,930	\$4,031	\$1,921	\$60,882	\$10.44
08 50 00 Windows		\$69,184		\$3,000		\$72,184	\$12.38
08 OPENINGS		\$69,184	\$54,930	\$7,031	\$1,921	\$133,065	\$22.81
09 21 16 Gypsum Board Assemblies		\$61,421	\$25,244	\$12,161	\$34,724	\$133,550	\$22.90
09 30 00 Tiling			\$7,040			\$7,040	\$1.21
09 51 13 Acoustical Panel Ceilings			\$1,656	\$775	\$405	\$2,836	\$0.49
09 50 00 Specialty Ceilings					\$102,637	\$102,637	\$17.60
09 64 00 Wood Flooring			\$3,284	\$11,645	\$27,679	\$42,608	\$7.30
09 65 00 Flooring			\$568		\$1,079	\$1,647	\$0.28

DIRECT TRADE COST SUMMARY

ELEMENT	Filed Sub-Bid	BUILDING SYSTEMS	ACCESSIBILITY	SUPPORT FACILITIES	RESTORATION	TOTAL	COST/SF
09 90 00 ***Painting and Coating	\$151,880	\$90,713	\$18,784	\$5,581	\$36,803	\$151,880	\$26.04
09 FINISHES		\$152,134	\$56,575	\$30,162	\$203,327	\$442,197	\$75.81
10 00 00 Specialties		\$2,100	\$6,440	\$350	\$3,717	\$12,607	\$2.16
10 SPECIALTIES		\$2,100	\$6,440	\$350	\$3,717	\$12,607	\$2.16
11 00 00 Equipment				\$5,000	\$4,000	\$9,000	\$1.54
11 EQUIPMENT				\$5,000	\$4,000	\$9,000	\$1.54
14 26 00 ***LU/LA Elevator	\$65,000		\$65,000			\$65,000	\$11.14
14 CONVEYING EQUIPMENT			\$65,000			\$65,000	\$11.14
22 00 00 ***Plumbing	\$75,375	\$29,850	\$38,360	\$6,310	\$855	\$75,375	\$12.92
22 PLUMBING		\$29,850	\$38,360	\$6,310	\$855	\$75,375	\$12.92
23 00 00 ***HVAC	\$360,610	\$360,610				\$360,610	\$61.82
23 HEATING, VENTIALTING & AIR CONDITIONING		\$360,610				\$360,610	\$61.82
26 00 00 ***Electrical		\$215,475	\$59,447	\$12,873		\$287,795	\$49.34
27-Communications & Low Voltage		\$10,194		\$120		\$10,314	\$1.77
28-Security & CCTV		delete					
26 ELECTRICAL	\$298,109	\$225,669	\$59,447	\$12,993		\$298,109	\$51.11
31 20 00 Earthwork		\$28,356	\$3,617		\$153,279	\$185,253	\$31.76
31 EARTHWORK		\$28,356	\$3,617		\$153,279	\$185,253	\$31.76
32 10 00 Paving and Surfacing					\$58,714	\$58,714	\$10.07
32 30 00 Site Improvements		\$18,125			\$46,333	\$64,458	\$11.05
32 90 00 Planting					\$20,300	\$20,300	\$3.48
32 EXTERIOR IMPROVEMENTS		\$18,125			\$125,347	\$143,472	\$24.60
33 30 00 Sanitary Sewerage			\$1,200			\$1,200	\$0.21

DIRECT TRADE COST SUMMARY

ELEMENT	<i>Filed Sub-Bid</i>	BUILDING SYSTEMS	ACCESSIBILITY	SUPPORT FACILITIES	RESTORATION	TOTAL	COST/SF
33 40 00 Storm Drainage					\$35,930	\$35,930	\$6.16
36 00 00 Site Electrical Support		\$4,500				\$4,500	\$0.77
33 UTILITIES		\$4,500	\$1,200		\$35,930	\$41,630	\$7.14
Direct Trade Cost Summary	\$978,374	\$1,246,853	\$473,811	\$99,488	\$852,611	\$2,672,764	\$458.21

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
10	02 EXISTING CONDITIONS											
11												
12	02 41 00 Demolition											
13	<i>General Demolition</i>											
14	G05 - remove steps to stair door, roof canopy	LOC	\$3,500.00					1	\$3,500			3.a.
15	G06 - Remove appliances	MHR	\$95.00					1	\$95			3.b.
16	G07 - Remove counters and cabinets	MHR	\$95.00					8	\$760			3.b.
17	G08 - Remove fire escape stairs, brackets, foundations, exit door, frame and hardware	LS	\$10,000.00							1	\$10,000	4.b.
18	G09 - Remove coat hooks and wood trim to which hooks are attached	MHR	\$95.00							1	\$95	4.i.
19	G10 - Remove stair handrails and guards either side of stage	MHR	\$95.00			10	\$950					2.c.
20	G11 - Salvage for reinstall boot scrapers at each side of historic entrance	MHR	\$95.00			2	\$190					2.g.
21	Remove Guard Rail at Quilt (A-14)	MHR	\$95.00			3	\$285					2.c.
22	Associated Works with Removal of Restrooms on 1st Floor	RMS	\$1,500.00			2	\$3,000					2.f.
23	Remove Angled Projection Screen (A-14)	MHR	\$95.00					1	\$95			3.c.
24	Remove Aluminum Ladder & Assoc. clips at floor & wall (1/A-12.1)	MHR	\$95.00							1	\$95	4.i.
25	Remove Chimney (1/A-12.0)	LS	\$10,000.00	1	\$10,000							1.c.
26	Remove 2x WD Blocks at chair leg supports (2/A-12.0)	MHR	\$95.00					1	\$95			3.j.
27	Remove AV Cabinet & Equipment not claimed by owner (2/A12.0)	MHR	\$95.00					4	\$380			3.c.
28												
29	<i>Door Demolition</i>											
30	D01 - Remove door, frame & hardware for enlarged opening	LEAF	\$125.00			4	\$500					2.d.
31	D02 - Remove door, frame & hardware for infill opening	LEAF	\$100.00			4	\$400					2.d.
32	D03 - Remove door, frame & hardware	LEAF	\$100.00			8	\$800					2.d.
33	D04 - Remove door opening and assoc. frame (note - door is missing)	OPEN	\$65.00			4	\$260					2.d.
34	D05 - Remove door, hardware and interior casings; retain frame and exterior casings for clapboard exterior wall infill	OPEN	\$500.00					1	\$500			3.a.
35	D06 - Remove door, frame & hardware to be reframed for new window opening	LEAF	\$100.00			1	\$100					2.d.
36	D07 - Remove door, frame & hardware for reframe opening for as new accessibility entrance	LEAF	\$100.00							1	\$100	4.a.
37												
38	<i>Partition Demolition</i>											
39	P01 - Temp shoring, remove N/S Wall at mid point of 1895 addition; assume wall is providing intermediate support for continuous E/W 2x8 joist framing at 1st floor / attic	SF	\$13.36			228	\$3,046					2.a.
40	P01 - Temp shoring, remove N/S Wall at mid point of 1895 addition; assume wall is providing intermediate support for continuous E/W 2x8 joist framing at 1st floor / attic	SF	\$13.36					60	\$802			3.b.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
41	P02 - Temp shoring, remove E/W wall between steel beam and foundation at demising of 1848 / 1895 addition, assume wall is providing supplemental support of original exterior	SF	\$13.36							108	\$1,443	4.e.
42	P02 - Temp shoring, remove E/W wall between steel beam and foundation at demising of 1848 / 1895 addition, assume wall is providing supplemental support of original exterior	SF	\$13.36							48	\$641	4.i.
43	P03 - Remove interior partitions where indicated. Retain any support posts within walls	SF	\$6.08			40	\$243					2.f.
44	P03 - Remove interior partitions where indicated. Retain any support posts within walls	SF	\$6.08					315	\$1,915			3.b.
45	P03 - Remove interior partitions where indicated. Retain any support posts within walls	SF	\$6.08							120	\$730	4.i.
46	P04 - Remove storage closets and furring to expose studs at exterior wall of addition	SF	\$5.00	40	\$200							1.a.
47	P05 - Remove plasters and wood lath to expose stud wall framing, salvage trim for reuse	SF	\$7.50	1,058	\$7,935							1.a.
48	P05 - Remove plasters and wood lath to expose stud wall framing, salvage trim for reuse	SF	\$7.50	306	\$2,295							1.a.
49	P06 - Remove bearing walls adjacent to stairs	SF	\$16.70			96	\$1,603					2.a.
50	P06 - Remove bearing walls adjacent to stairs	SF	\$16.70			72	\$1,202					2.a.
51	P07 - Remove plaster, lath and wood studs to expose North stone foundation wall	SF	\$12.11							168	\$2,034	4.c.
52	P08 - Remove plaster and lath, salvage wainscoting (base, boards, chair rail) expose wood studs	SF	\$13.36	1,064	\$14,214							1.a.
53	P08 - Remove plaster and lath, salvage wainscoting (base, boards, chair rail) expose wood studs	SF	\$13.36	27	\$361							1.a.
54	P09 - Remove portion of wall and lower floor curb for flush floor at passage doorway	SF	\$8.00							112	\$896	4.c.
55	P09 - Remove portion of wall and lower floor curb for flush floor at passage doorway	SF	\$8.00							27	\$216	4.c.
56	P10 - Remove partial height storage closets, shelves, wall cleats, doors, frames and hardware; remove projection screen and associated supports	MHR	\$95.00					5	\$475			3.e.
57	P11 - Remove paneling and furred wall to expose original concealed wall; remove concealed wall finishes to expose wood studs	SF	\$5.00	352	\$1,760							1.a.
58												
59	Ceiling Demolition											
60	C01 - Remove plaster, wood lath, strapping and MEP components	SF	\$13.32	1,710	\$22,778							1.a.
61	C02 - Remove acoustical ceiling components and MEP components	SF	\$2.50							297	\$743	4.i.
62	C03 - Remove plaster, wood lath, strapping and MEP components	SF	\$13.32	2,554	\$34,020							1.b.
63	C03 - Remove plaster, wood lath, strapping and MEP components	SF	\$13.32							463	\$6,167	4.i.
64	C04 - Salvage tin ceiling to extent required for re-use	SF	\$7.48							82	\$613	4.h.
65	C04 - Salvage tin ceiling to extent required for re-use	SF	\$6.50							358	\$2,327	4.h.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
66	C05 - Remove gypsum wallboard, soffit trim, strapping, framing & MEP components	SF	\$10.00			22	\$220					2.f.
67	C06 - Remove strapping from floor joists in area where ceiling was previously removed	SF	\$5.00			279	\$1,395					2.f.
68	C06 - Remove strapping from floor joists in area where ceiling was previously removed	SF	\$5.00							184	\$920	4.i.
69	C07 - Remove ceiling joists to provide access to roof framing for reinforcement	SF	\$5.00	2,030	\$10,150							1.b.
70												
71	Flooring Demolition											
72	F01; remove wood framed flooring assembly, det 2.0/A-10.0	SF	\$6.50							1,384	\$8,996	4.e.
73	S02; remove "rat" slab	SF	\$5.00							326	\$1,630	4.e.
74	F02 - Remove wood stairs, framing and handrails	FLT	\$1,500.00			2	\$3,000					2.a.
75	F03 - Remove ceramic tile and substrate materials to original subfloor below	SF	\$7.50					85	\$638			3.b.
76	F04 - Remove carpet, pad, staples and tack strips to expose wood flooring below	SF	\$3.00							218	\$654	4.i.
77	F04 - Remove carpet, pad, staples and tack strips to expose wood flooring below (110)	SF	\$3.00					91	\$273			3.e.
78	F04 - Remove carpet, pad, staples and tack strips to expose wood flooring below (112)	SF	\$3.00					161	\$483			3.f.
79	F05 - Remove maple flooring overlay and maple below to original subfloor	SF	\$10.00							71	\$710	4.i.
80	Selective demolition, generally	GSF	\$1.00							5,833	\$5,833	4.i.
81												
82	Cart, haul out, and disposal of demo debris	CY	\$50.00	104	\$5,186							1.a.
83	Cart, haul out, and disposal of demo debris	CY	\$50.00			17	\$860					2.d.
84	Cart, haul out, and disposal of demo debris	CY	\$50.00					10	\$501			3.e.
85	Cart, haul out, and disposal of demo debris	CY	\$50.00							45	\$2,242	4.i.
86												
87	Exterior Demolition; L-01											
88	Replace Ramp At 1895											
89	R&D concrete ramp	SF	\$20.00							343	\$6,860	4.a.
90	R&D wood ramp	SF	\$25.00							205	\$5,125	4.a.
91	R&D concrete ramp at Ell	SF	\$20.00							266	\$5,320	4.c.
92	Reconfigure front entrance											
93	R&D tree; grind stump	EA	\$1,800.00							3	\$5,400	4.f.
94	R&D vegetation, clear and grub	SF	\$5.00							857	\$4,285	4.f.
95	Sawcut existing pavement	LF	\$12.00							66	\$792	4.f.
96	R&S granite steps	LF	\$25.00							43	\$1,075	4.f.
97	R&D asphalt pavement	SF	\$1.50							602	\$903	4.f.
98	R&S stone wall where salvageable	LF	\$250.00							22	\$5,500	4.f.
99	R&S granite curbing	LF	\$20.00							134	\$2,680	4.f.
100	R&S granite posts	EA	\$175.00							2	\$350	4.f.
101	R&D ramp handrails	LF	\$10.00							41	\$410	4.f.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
102	R&D fencing	LF	\$10.00							44	\$440	4.f.
103	R&S site signage	LS	\$1,000.00							1	\$1,000	4.f.
104	R&S light post	EA	\$525.00							1	\$525	4.f.
105	R&S cobbles	SF	\$1.50							205	\$308	4.f.
106	R&D air tank	EA	\$350.00							1	\$350	4.f.
107	02 41 00 Demolition Total				\$108,899		\$18,054		\$10,511		\$88,407	
108												
109	02 82 00 Asbestos Remediation											
110	Asbestos Abatement, Budget provided	AL	\$20,000.00							1	\$20,000	4.i.
111	Lead Paint Removal	AL	\$20,000.00							1	\$20,000	4.i.
112	02 82 00 Asbestos Remediation Total				\$0		\$0		\$0		\$40,000	
113												
114												
115	03 CONCRETE											
116												
117	03 30 00 Cast-In-Place Concrete											
118	<i>Foundation work for reinforcing roof structure</i>											
119	Slab thickening; 3' 0" - 7' 9" long, 3-#5 t+b	EA	\$2,625.00	5	\$13,125							1.b.
120	Underpinning at existing column footing, 4' 0" sq. Note "A" - remove and replace footing similar cost to underpinning	EA	\$5,000.00	3	\$15,000							1.b.
121	<i>New LU/LA elevator</i>											
122	Mat slab 15" thick, #5@8"oc t+b, ew, x100sf	CY	\$475.00			5	\$2,375					2.a.
123	Pit wall 10" thick x2' 11" high, #4@12"oc dowels, #4@12"oc h ef, x90sf	CY	\$1,750.00			3	\$5,250					2.a.
124	Slab on grade - included in 4.e.											2.a.
125	<i>Address Ongoing Water Infiltration, det 2.1/A-10.0</i>											
126	Slab on grade; 4" thick, reinf., 2" rigid insulation, vapor barrier	SF	\$7.50							1,384	\$10,380	4.e.
127	at Utility Area	SF	\$7.50							326	\$2,445	4.e.
128	Pre-molded expansion joint filler at perimeter of new slab	LF	\$10.00							159	\$1,590	4.e.
129	F3.0 column spread footing; 36x36x15, #4@6"oc ew b	EA	\$1,500.00							6	\$9,000	4.e.
130	03 30 00 Cast-In-Place Concrete Total				\$28,125		\$7,625		\$0		\$23,415	
131												
132												
133	04 MASONRY											
134												
135	04 43 00 Stone Masonry											
136	Improve retaining wall at neighbors shed	LF	\$500.00	12	\$6,000							1.d.
137	New retaining wall @ front entrance	LF	\$500.00							30	\$15,000	4.f.
138	Reset existing granite steps at front entrance	SF	\$85.00			103	\$8,755					2.g.
139	<i>Rebuild site stone retaining wall at H/Cap Entry +234.75, det 4/S-2.2</i>											
140	Deeply cut and re-point existing retaining wall prior to rebuilding the retaining wall portion	SF	\$30.00							102	\$3,053	4.d.
141	Carefully remove stone retaining wall, salvage stone for reuse	CFT	\$20.00							238	\$4,760	4.d.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
142	Carefully excavate soil by hand, stockpile for re-use	CY	\$43.75							27	\$1,179	4.d.
143	Compacted base material as wall platform, 6" thick	CY	\$75.00							3	\$214	4.d.
144	Geogrid soil reinforcement at every stone course; assume 15% laps	SF	\$7.50							1,032	\$7,737	4.d.
145	Filter fabric strip at every stone course	LF	\$5.00							207	\$1,035	4.d.
146	Salvage stone from stockpile, re-set stone wall, fully-mortared	CFT	\$25.00							238	\$5,950	4.d.
147	Excavate soil stockpile, backfill behind new stone wall, compacted in 6" lifts	CY	\$65.63							27	\$1,768	4.d.
148	Crushed stone surround behind stone wall, 12" thick, compacted in 6" lifts	CY	\$75.00							7	\$492	4.d.
149	Concrete curb/cap, #5 rebar, stainless steel pins, drill stone unit and adhesive-set pins	LF	\$200.00							10	\$2,000	4.d.
150	Address Ongoing Water Infiltration, det 2.1/A-10.0											
151	Exterior repointing of granite wall base at entire perimeter of building	SF	\$30.00							660	\$19,800	4.e.
152	Repoint interior of North rubble wall at Ground Floor	SF	\$25.00							258	\$6,438	4.e.
153	at Utility Area	SF	\$25.00							150	\$3,750	4.e.
154	04 43 00 Stone Masonry Total				\$6,000		\$8,755		\$0		\$73,175	
155												
156												
157	05 METALS											
158												
159	05 12 23 Structural Steel for Buildings											
160	Reinforce roof structure											
161	Set of (5) 1/4" steel plates as custom-made face-mount hanger screwed to purlin, det 7/S-3.2	EA	\$750.00	24	\$18,000							1.b.
162	TS4; HSS4x4x5/16 column, base plate, (4) adhesive anchors, leveling nuts, non-shrink grout, epoxy coating	EA	\$6,700.00	2	\$13,400							1.b.
163	TS4 at Note "A"	EA	\$6,700.00	3	\$20,100							1.b.
164	3/8" stiffener plate to steel beam both sides	LOC	\$625.00	3	\$1,875							1.b.
165	Address Ongoing Water Infiltration, det 2.1/A-10.0											
166	Remove column, replace w/new 3"dia X-Strong pipe column	EA	\$3,500.00							6	\$21,000	4.e.
167	05 12 23 Structural Steel for Buildings Total				\$53,375		\$0		\$0		\$21,000	
168												
169	05 50 00 ***Metal Fabrications											
170	Elevator pit ladder, sill angles, hoist beam	SET	\$6,500.00			1	\$6,500					2.a.
171	Guard wall @42" at Attic landing for Ell stair	LOC	\$1,500.00			1	\$1,500					2.b.
172	New ramp guard, newels, handrail, wall mounted handrail at Stage; assume metal	LF	\$225.00			48	\$10,800					2.c.
173	Repair and reinstall boot scrapers at each side of historic entrance	MHR	\$150.00			4	\$600					2.g.
174	Guardrail at Ell entrance	LS	\$8,000.00							1	\$8,000	4.a.
175	05 50 00 ***Metal Fabrications Total				\$0		\$19,400		\$0		\$8,000	
176												

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
177	06 WOODS, PLASTICS, & COMPOSITES											
178												
179	06 00 00 Carpentry											
180	06 10 00 Rough Carpentry											
181	<i>Reinforce roof structure</i>											
182	2-1 3/4x7½ LVL x11' 6" long sistered to purlin both sides	EA	\$733.70	20	\$14,674							1.b.
183	1 3/4x4½ LVL x9' 6" long sistered to rafters@2' 6"oc	EA	\$61.15	120	\$7,338							1.b.
184	(2) LVL cleat and 2x8 blocking at eave, det 8/S-3.2	LF	\$92.52	115	\$10,640							1.b.
185	½" plywood subfloor at Attic	SF	\$5.00	371	\$1,855							1.b.
186	Remove board sheathing, replace w/new (2) 3/4" plywood sheathing	SF	\$12.50	2,030	\$25,380							1.c.
187	P1; 3½x5¼ PSL post, corner post	EA	\$601.15	15	\$9,017							1.b.
188	P2; 3½x9¼ PSL post, corner post	EA	\$675.95	1	\$676							1.b.
189	2-2x4 post	EA	\$175.18	1	\$175							1.b.
190	4-2x4 post at H1 opening	EA	\$205.98	4	\$824							1.b.
191	2x4 strongback	EA	\$750.00	1	\$750							1.b.
192	2-2x4 king stud	EA	\$175.18	1	\$175							1.b.
193	2-2x4 jack stud	EA	\$87.59	2	\$175							1.b.
194	BWA/P.13; 2x6 stud bearing wall, assume sheathing both sides	SF	\$13.00	196	\$2,548							1.b.
195	2-1 3/4x7¼ LVL header x5' 6" long	EA	\$683.10	1	\$683							1.b.
196	3½x9¼ LVL lintel x4' 6" long	EA	\$738.10	1	\$738							1.b.
197	5¼x9½ PSL lintel x7' 9" long	EA	\$913.69	1	\$914							1.b.
198	5¼x9½ PSL lintel x11' 4" long	EA	\$2,025.38	1	\$2,025							1.b.
199	5¼x9½ PSL lintel x25' 6" long	EA	\$2,866.88	2	\$5,734							1.b.
200	B1-2, B1-3; assume 3½x9¼ LVL	EA	\$738.10	2	\$1,476							1.b.
201	H1; 2-2x10 header x4' 8" long	EA	\$698.09	2	\$1,396							1.b.
202	2x6@24"oc rafter ties	SF	\$11.49	147	\$1,689							1.b.
203	<i>New LU/LA elevator</i>											
204	P1; 3½x5¼ PSL post, corner post	EA	\$601.15			2	\$1,202					2.a.
205	P2; 3½x9¼ PSL post, corner post	EA	\$675.95			8	\$5,408					2.a.
206	4-2x4 post at header opening	EA	\$205.98			1	\$206					2.a.
207	1 3/4x7¼ LVL ledger x7' long	EA	\$630.30			6	\$3,782					2.a.
208	1 3/4x9¼ LVL ledger x7' long	EA	\$657.80			2	\$1,316					2.a.
209	2-1 3/4x7¼ LVL x3' 6" long	EA	\$774.68			1	\$775					2.a.
210	2-1 3/4x9¼ LVL x10' long	EA	\$882.48			1	\$882					2.a.
211	3½x11¼ LVL x8' 4" long	EA	\$922.08			1	\$922					2.a.
212	1 3/4x9½ LVL@12"oc floor framing	SF	\$18.43			98	\$1,806					2.a.
213	New floor framing east of LULA; assume 1 3/4x9½ LVL@12"oc	SF	\$18.43			91	\$1,677					2.a.
214	2x8@12"oc floor framing at Machine Room	SF	\$14.62			50	\$731					2.a.
215	Over framing to match adjacent floor elevation	SF	\$21.19			11	\$233					2.a.
216	<i>New accessible ramp and extension to Stage</i>											
217	Temp shoring at timber beam	LOC	\$1,100.00			1	\$1,100					2.c.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
218	Sister timber beam w/new 2-1 3/4x7 1/4 LVL x10' long per location both sides	LOC	\$1,239.01			1	\$1,239					2.c.
219	J1; 1 3/4x5 1/4 LVL@20"oc added within 1st floor framing	SF	\$26.37			207	\$5,459					2.c.
220	Over-frame stage extension w/new LVLs, rip-to-fit	SF	\$17.14			161	\$2,760					2.c.
221	3/4" plywood subfloor sheathing, det 4.1/A-14	SF	\$5.00			161	\$805					2.c.
222	Modify Ell entry at 1895 porch, dwg A-17											
223	Temp shoring of porch pilaster	LOC	\$1,500.00							1	\$1,500	4.a.
224	New 11 1/4" sq. base extension	LOC	\$650.00							3	\$1,950	4.a.
225	New wood framed entry deck	SF	\$50.00							42	\$2,109	4.a.
226												
227	Wood Stud/Partition Framing											
228	Reinstall salvaged trim	MHR	\$125.00	16	\$2,000							1.a.
229	Lower floor curb, reframe for flush floor at passage doorway	SF	\$15.00							64	\$960	4.e.
230	Enlarge and reframe existing door opening	OPEN	\$1,100.00			4	\$4,400					2.d.
231	Infill former door opening to match adjacent surfaces	OPEN	\$500.00			4	\$2,000					2.d.
232	Reframe former door opening for new window to match adjacent	OPEN	\$750.00			1	\$750					2.d.
233	Reframe opening for accessible entrance door, lower stoop, modify former door opening	EA	\$500.00							1	\$500	4.a.
234	Reinstall exterior casings for clapboard exterior wall infill as detailed	OPEN	\$500.00					1	\$500			3.a.
235	P.04 - 2x4 wood stud exterior return walls to ground floor entrance	SF	\$10.00					42	\$420			3.a.
236	P.06 - 2x6 wood stud exterior wall infill	SF	\$12.00							42	\$504	4.i.
237	P.07 - Infill existing doorway to match adjacent. Patch wall	SF	\$10.00					112	\$1,120			3.i.
238	P.07 - Infill existing doorway to match adjacent. Patch wall	SF	\$10.00							258	\$2,580	4.i.
239	Fire rated plywood wall sheathing at Utilities	SF	\$7.50	160	\$1,200							1.e.
240	Wood blocking for finishes fit-out	LS	\$7,500.00	40%	\$3,011							1.b.
241	Wood blocking for finishes fit-out	LS	\$7,500.00			24%	\$1,778					2.f.
242	Wood blocking for finishes fit-out	LS	\$7,500.00					12%	\$878			3.g.
243	Wood blocking for finishes fit-out	LS	\$7,500.00							24%	\$1,833	4.i.
244												
245	06 20 13 Exterior Finish Carpentry											
246	06 20 23 Interior Finish Carpentry											
247	06 61 19 Quartz Surfacing Fabrications											
248	ELL stair and railings	FLT	\$8,000.00			3	\$24,000					2.b.
249	Attic Ladder from 1895 to 1848	FLT	\$2,000.00	1	\$2,000							1.c.
250	Reconfigure balcony level seating with infill lowest tiered level	GSF	\$20.00					71	\$1,417			3.j.
251	1.5" Velvet Control Ropes with 2 fixed posts & two wall plated @ 30" AFF (2/A12.1)	LF	\$250.00					28	\$7,085			3.j.
252	AV equipment control area in balcony	LOC	\$4,500.00					1	\$4,500			3.k.
253	Pantry cabinetry, quartz countertop	LF	\$325.00					16	\$5,200			3.b.
254	Provide Step at front of Stage (A-14)	LF	\$50.00							30	\$1,500	4.i.
255	Wainscoting PTD REP 1895; 2' 10 1/2" high, det 3/A-07	SF	\$82.81			96	\$7,925					2.c.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
256	Wainscoting REF EX; repair and refinish, det 5/A-07	SF	\$10.00					85	\$852			3.e.
257	Wainscoting REF EX; repair and refinish, det 5/A-07	SF	\$10.00					119	\$1,188			3.f.
258	Wainscoting REF EX; repair and refinish, det 5/A-07	SF	\$10.00							173	\$1,731	4.i.
259	Wainscoting at Restroom; 'vertical' beadboard and trims, 60" high, det 4/A-16	SF	\$30.00			387	\$11,610					2.f.
260	Wainscoting at Stage; MDO and trims, 3' 1" high, det 4B/A-07	SF	\$39.48			200	\$7,904					2.c.
261	Door frame casing; flat 1x4 sq stock, 1x6 sq stock	SIDE	\$400.00			3	\$1,200					2.d.
262	Door frame casing; flat 1x6 sq stock, scarf 1895 jambs	OPEN	\$640.00			1	\$640					2.d.
263	Door frame casing, rosettes; Ell det 2/A-07	SIDE	\$1,000.00			23	\$23,000					2.d.
264	Door frame casing; 1895 det 1/A-07	SIDE	\$1,250.00			5	\$6,250					2.d.
265	Door frame casing, rosettes, plinths; Ell to Great Hall Door det 7/A-05	SIDE	\$1,714.38			1	\$1,714					2.d.
266	Mullion 4-sided det 7/A-05	EA	\$1,170.00			2	\$2,340					2.d.
267	Salvage interior casings, rosettes, stool and aprons for re-use at window unit W05 (W-Y)	SET	\$1,500.00	2	\$3,000							1.f.
268	Install Salvaged Painted Wood Head Casing (Window W14, W15, W16) (A-13)	EA	\$500.00	3	\$1,500							1.f.
269	Install Salvaged Fixed Interior 2 panel Faux Shutter (W14, W15, W16) (A-13)	EA	\$400.00	6	\$2,400							1.a.
270	Wood frame to restroom mirror	EA	\$350.00			3	\$1,050					2.f.
271	Finish carpentry, finishing trims, casework	LS	\$20,000.00	40%	\$8,030							1.a.
272	Finish carpentry, finishing trims, casework	LS	\$20,000.00			24%	\$4,741					2.f.
273	Finish carpentry, finishing trims, casework	LS	\$20,000.00					12%	\$2,341			3.g.
274	Finish carpentry, finishing trims, casework	LS	\$20,000.00							24%	\$4,889	4.i.
275	06 00 00 Carpentry Total				\$112,023		\$131,603		\$25,501		\$20,056	
276												
277												
278	07 THERMAL & MOISTURE PROTECTION											
279												
280	07 00 00 Waterproofing and Sealants											
281	07 14 00 Fluid-Applied Waterproofing											
282	07 16 16 Crystalline Waterproofing											
283	07 26 16 Below-Grade Vapor Barriers											
284	07 92 00 Joint Sealants											
285	Waterproofing to LULA pit slab and walls	SF	\$10.00			281	\$2,805					2.a.
286	Waterproofing to new basement slab and walls	SF	\$7.50							4,330	\$32,475	4.e.
287	Joint sealants	GSF	\$1.75							5,833	\$10,208	4.i.
288	07 00 00 Waterproofing and Sealants Total				\$0		\$2,805		\$0		\$42,683	
289												
290	07 21 19 Foam-in-Place Insulation											
291	P.00 - Clean Interior Surface of existing exposed masonry wall and install spray closed cell foam insulation	SF	\$9.00	755	\$6,795							1.a.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
292	P.01 - Clean exposed surface of wood stud cavities and spray closed cell foam insulation in existing exterior stud wall cavity	SF	\$4.00	484	\$1,936							1.a.
293	P.02 - Provide closed cell foam insulation in stud cavity of exterior wall	SF	\$6.50	2,313	\$15,035							1.a.
294	P.03 - provide closed cell foam insulation at masonry wall	SF	\$7.15	189	\$1,351							1.a.
295	P.04 - Provide specified thickness of closed cell insulation at exterior wall infill	SF	\$7.48	42	\$314							1.a.
296	P.05 - Insulate stud cavity per project standards	SF	\$7.15	18	\$129							1.a.
297	P.06 - Provide specified thickness of closed cell insulation at exterior wall infill	SF	\$7.48	42	\$314							1.a.
298	Spray foam seal at window door/door perimeter	OPEN	\$350.00	30	\$10,500							1.a.
299	C02 - provide closed cell spray foam within wood framed ceiling at Ell Attic	SF	\$10.00	490	\$4,900							1.a.
300	Miscellaneous exterior envelop infills, repairs and build-outs	SF	\$10.00	500	\$5,000							1.a.
301	Miscellaneous infills, repairs and build-outs at interiors	SF	\$10.00							250	\$2,500	4.i.
302	07 21 19 Foam-in-Place Insulation Total				\$46,273		\$0		\$0		\$2,500	
303												
304	07 46 23 Wood Siding											
305	07 27 00 Air Barriers											
306	07 60 00 Flashings and Sheet Metal											
307	P04 - clapboards over air barrier over 3/4" exterior grade plywood. Install 1x6 exterior wood outside corner boards at each face of recess	SF	\$38.81					42	\$1,630			3.a.
308	P06 - clapboards over air barrier over 3/4" exterior grade plywood	SF	\$38.81	42	\$1,630							1.a.
309	Misc. patch and repairs on wood siding	AL	\$5,000.00							1	\$5,000	4.i.
310	07 46 23 Wood Siding Total				\$1,630		\$0		\$1,630		\$5,000	
311												
312												
313	08 OPENINGS											
314												
315	08 10 00 Doors, Frames and Hardware											
316	08 11 00 Metal Doors and Frames											
317	08 14 00 Wood Doors											
318	Door Type A (24x80) Solid Wood, flush	EA	\$900.00			1	\$900					2.d.
319	Door Type A (30x80) Solid Wood, flush	EA	\$900.00			7	\$6,300					2.d.
320	Door Type A (36x80) Solid Wood, flush	EA	\$900.00			1	\$900					2.d.
321	Door Type B (36x80) Solid Wood, 4-panel	EA	\$1,300.00			8	\$10,400					2.d.
322	Door Type C (36x80) Solid Wood, 1-panel, 1-glazed panel	EA	\$1,050.00					1	\$1,050			3.a.
323	Door Type C (36x80) Solid Wood, 1-panel, 1-glazed panel (Ell to Great Hall Door)	EA	\$1,050.00			1	\$1,050					2.d.
324	Door Type D (36x80) Solid Wood, 2-panel, 1-glazed panel	EA	\$1,150.00							1	\$1,150	4.a.
325	Door Frame F-A (24x80) HM	EA	\$165.00			1	\$165					2.d.
326	Door Frame F-A (30x80) HM	EA	\$165.00			1	\$165					2.d.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
327	Door Frame F-A (36x80) HM	EA	\$165.00			13	\$2,145					2.d.
328	Door Frame F-B (36x80) WD	EA	\$330.00			3	\$990					2.d.
329	Door Frame F-C (36x80) HM Galv, transom light, 8' 1" OA frame height	EA	\$454.40							1	\$454	4.a.
330	Door Frame F-D (36x80) HM Galv, 2' 1½" x 4' 1½" sidelight	EA	\$748.80					1	\$749			3.a.
331	Door Frame F-E HM 2' 11" x 3' 11½" borrowed light	EA	\$630.00			1	\$630					2.d.
332	Fire Rating	EA	\$50.00			3	\$150					2.d.
333	Install Doors and Frames	LEAF	\$175.00			18	\$3,150					2.d.
334	Install Doors and Frames	LEAF	\$175.00			1	\$175					2.d.
335	08 31 00 Access Doors and Panels											
336	Access door/panel	EA	\$375.00			8	\$3,000					2.f.
337	08 71 00 Door Hardware											
338	Hardware to new and existing doors	SET	\$950.00			23	\$21,850					2.d.
339	Hardware to new and existing doors	SET	\$950.00					1	\$950			3.a.
340	Replace front door hardware with accessible exterior lever and interior exit devices	SET	\$1,600.00			1	\$1,600					2.g.
341	08 80 00 Glazing											
342	Door Type C 1-glazed panel	EA	\$280.00					1	\$280			3.a.
343	Door Type C 1-glazed panel, ¼ safety glass (Ell to Great Hall Door)	EA	\$440.00			1	\$440					2.d.
344	Door Type D 1-glazed panel	EA	\$192.50							1	\$193	4.a.
345	Door Frame F-C transom light	EA	\$123.90							1	\$124	4.a.
346	Door Frame F-D 2-sidelight, ¼ safety glass (Ell to Great Hall Door)	EA	\$1,002.36					1	\$1,002			3.a.
347	Door Frame F-E borrowed light	EA	\$420.00			1	\$420					2.d.
348	08 90 00 Louvers and Vents											
349	Door Type B louver panel	EA	\$500.00			1	\$500					2.d.
350	08 10 00 Doors, Frames and Hardware Total				\$0		\$54,930		\$4,031		\$1,921	
351												
352	08 50 00 Windows											
353	08 51 69 Metal Storm Windows											
354	0852 00 Wood Windows											
355	Remove window and reframe exterior wall for entrance to Ground Floor (W-X)	LOC	\$3,000.00					1	\$3,000			3.a.
356	Window W05 - New 39.5x77x1.5, 6-over-6 SH	OPEN	\$4,710.34	1	\$4,710							1.f.
357	Window W06 - Block at Interior & Exterior	OPEN	\$1,000.00	1	\$1,000							1.f.
358	Window W07 - Block at Exterior	OPEN	\$500.00	1	\$500							1.f.
359	Window W12 - Replace Upper Sash w/new 23.5x44.5x1.5, 1-over-1 SH	OPEN	\$2,306.25	1	\$2,306							1.f.
360	Window repair and restoration; assume 5 manhour per opening	MHR	\$105.00	125	\$13,125							1.f.
361	New exterior storm window to 44.5x96 window, triple track	OPEN	\$2,543.75	6	\$15,263							1.f.
362	New exterior storm window to 39.5x77 window, triple track	OPEN	\$1,850.14	11	\$20,352							1.f.
363	New exterior storm window to 36.5x52.5 window, triple track	OPEN	\$1,298.09	1	\$1,298							1.f.
364	New exterior storm window pair to 30.75x53 window, triple track	PR	\$2,181.81	2	\$4,364							1.f.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
365	New exterior storm window to 39.5x27 window, fixed	OPEN	\$381.33	1	\$381							1.f.
366	New exterior storm window pair to 30.75x53 window, fixed	PR	\$1,112.73	2	\$2,225							1.f.
367	New exterior storm window to 23.5x44.5 window, triple track	OPEN	\$735.94	2	\$1,472							1.f.
368	New interior storm window to 113.5x46 window, fixed	OPEN	\$1,327.46	1	\$1,327							1.f.
369	New interior storm window to 39.5x77 window, fixed	OPEN	\$860.06	1	\$860							1.f.
370	08 50 00 Windows Total				\$69,184		\$0		\$3,000		\$0	
371												
372												
373	09 FINISHES											
374												
375	09 21 16 Gypsum Board Assemblies											
376	07 21 13 Board Insulation											
377	07 21 16 Blanket Insulation											
378	P.01 - new drywall after spray-foam insulation install	SF	\$3.25	484	\$1,573							1.a.
379	P.02 - 5/8" drywall on 1/2" resilient furring	SF	\$5.75	2,313	\$13,300							1.a.
380	P.03 - Provide replacement furring over existing masonry, add new drywall after spray-foam insul install	SF	\$6.33	189	\$1,195							1.a.
381	P.04 - new drywall at exterior return walls to ground floor entrance	SF	\$3.25					42	\$137			3.a.
382	P.05 - new drywall after spray-foam insulation install	SF	\$3.74	18	\$67							1.a.
383	P.06 - new drywall after spray-foam insulation install	SF	\$3.74							42	\$157	4.i.
384	P.07 - Infill existing doorway to match adjacent. Patch wall	SF	\$7.48					112	\$837			3.i.
385	P.07 - Infill existing doorway to match adjacent. Patch wall	SF	\$7.48							258	\$1,929	4.i.
386	P.08 - 1 hour fire rated system with 1 layer 5/8" gypsum wallboard on each side of 3 5/8" metal stud framing with 2.5" thick 25PCF mineral wool sound attenuation.	SF	\$22.00			750	\$16,500					2.a.
387	P.09 - non rated fire shaft wall for ductwork and piping with 2 1/2" thick 20 gauge metal studs	SF	\$15.00	54	\$810							1.c.
388	P.10 - one layer 5/8" drywall on each side of 3 5/8" thick 20 gauge metal studs.	SF	\$11.00					112	\$1,232			3.b.
389	P.10 - one layer 5/8" drywall on each side of 3 5/8" thick 20 gauge metal studs.	SF	\$11.00					40	\$440			3.g.
390	P.10 - one layer 5/8" drywall on each side of 3 5/8" thick 20 gauge metal studs.	SF	\$11.00					200	\$2,200			3.h.
391	P.10 - one layer 5/8" drywall on each side of 3 5/8" thick 20 gauge metal studs.	SF	\$11.00					112	\$1,232			3.i.
392	P.10 - one layer 5/8" drywall on each side of 3 5/8" thick 20 gauge metal studs.	SF	\$11.00							124	\$1,364	4.i.
393	P.11 - one layer 5/8" drywall on each side of 3 5/8" thick 20 gauge metal studs. Insulate with 2.5" 25PCF mineral wool sound attenuation. 2nd layer of drywall on Meetings side of partition	SF	\$15.25					219	\$3,340			3.f.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
394	P.11 - one layer 5/8" drywall on each side of 3 5/8" thick 20 gauge metal studs. Insulate with 2.5" 25PCF mineral wool sound attenuation. 2nd layer of drywall on Meetings side of partition	SF	\$15.25					80	\$1,220			3.h.
395	P.12 - one layer 5/8" drywall on each side of studs with 2nd layer on north side. Insulate stud cavity with 2.5" PCF wool sound attenuation	SF	\$12.00			128	\$1,536					2.f.
396	P.13 - one layer of 5/8" drywall on each side of 3 5/8" thick 20 gauge metal studs. Insulate cavity with 2.5" thick 25 PCF mineral wool sound attenuation	SF	\$12.00			160	\$1,920					2.f.
397	P.13 - one layer of 5/8" drywall on each side of 3 5/8" thick 20 gauge metal studs. Insulate cavity with 2.5" thick 25 PCF mineral wool sound attenuation	SF	\$12.00							60	\$720	4.i.
398	P.14 - one layer of 5/8" drywall on each side of 3 5/8" thick 20 gauge metal studs. Insulate cavity with 2.5" thick 25 PCF mineral wool sound attenuation. Additional thickness to accommodate plumbing clearances	SF	\$16.50			120	\$1,980					2.f.
399	P.15 - Repair existing west wall of Great Hall and restore	SF	\$10.00					72	\$720			3.e.
400	P.15 - Repair existing west wall of Great Hall and restore	SF	\$10.00	240	\$2,400							1.a.
401	P.15 - Repair existing west wall of Great Hall and restore	SF	\$10.00			137	\$1,370					2.c.
402	P.16 - 5/8" gypsum wallboard on south surface of studs and 5/8" drywall on 1/2" resilient furring	SF	\$9.00							10	\$90	4.i.
403	P.17 - 1 hour fire rated system with 1 layer of gypsum wallboard on each side of 3 5/8" 20 gauge metal studs	SF	\$11.75			32	\$376					2.f.
404	P.17 - 1 hour fire rated system with 1 layer of gypsum wallboard on each side of 3 5/8" 20 gauge metal studs	SF	\$11.75					48	\$564			3.b.
405	P.18 - Attic enclosure separation partial partition walls with 2.5" metal studs, 2 layers of 5/8" drywall each side and 2.5" thick 25PCF mineral wool sound attenuation in studs cavity	SF	\$19.84	49	\$972							1.c.
406	P.19 - Separation wall between attics; add 6" thick 25 pcf mineral wool sound attenuation blanket 1895 attic side with 2 layers 5/8" drywall over 1/2" resilient furring	SF	\$11.21	154	\$1,727							1.c.
407	Miscellaneous infills, repairs and build-outs	GSF	\$1.75							5,833	\$10,208	4.i.
408												
409	Drywall Ceilings											
410	Ceiling Finishes quantified from Reflected Ceiling Plan series											
411	C06 at LULA machine room; gypsum board, furring on wood framing	SF	\$8.22			36	\$296					2.a.
412	C06 at Ell stair; gypsum board, furring on wood framing	SF	\$10.73			118	\$1,266					2.b.
413	C06 at storage First Floor; gypsum board, furring on wood framing	SF	\$20.00					12	\$240			3.h.
414	C06 at Ell First Floor; gypsum board, furring on wood framing	SF	\$7.15							418	\$2,989	4.i.
415	C07 at attic over Great Hall; gypsum board ceiling and framing	SF	\$10.00	1,057	\$10,570							1.a.
416	C07 meeting First Floor; gypsum board ceiling and framing	SF	\$11.50							29	\$334	4.h.
417	C08 at Great Hall; SAB, fire-taped gypsum board, furring on wood framing, 6" thick 2.5PCF mineral fiber insuln ceiling joist cavity	SF	\$15.75	1,829	\$28,807							1.c.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
418	C09 at balcony; gypsum board, furring on wood framing	SF	\$7.15							358	\$2,560	4.i.
419	Miscellaneous soffits, bulkheads and trim	SF	\$20.00							500	\$10,000	4.i.
420	Firestopping and fire safing	GSF	\$0.75							5,833	\$4,375	4.i.
421	09 21 16 Gypsum Board Assemblies Total				\$61,421		\$25,244		\$12,161		\$34,724	
422												
423	09 30 00 Tiling											
424	Ceramic Tile Flooring; 2x2 hexagonal mosaic	SF	\$27.50			216	\$5,940					2.f.
425	Honed slate threshold	EA	\$275.00			4	\$1,100					2.f.
426	09 30 00 Tiling Total				\$0		\$7,040		\$0		\$0	
427												
428	09 51 13 Acoustical Panel Ceilings											
429	C05; 2x2 tile, exposed grid at restrooms	SF	\$5.50			301	\$1,656					2.f.
430	C05; storage First Floor	SF	\$5.00					155	\$775			3.h.
431	C05; foyer	SF	\$5.00							81	\$405	4.i.
432	09 51 13 Acoustical Panel Ceilings Total				\$0		\$1,656		\$775		\$405	
433												
434	09 50 00 Specialty Ceilings											
435	09 54 43 Stretched Fabric Ceiling Panels											
436	Stretched Fabric Ceiling system at Great Hall; allow	AL	\$50.00							1,829	\$91,450	4.i.
437	09 56 16 Metal Textured Ceilings											
438	C03; repair Tin and strip for refinishing	SF	\$11.00							937	\$10,307	4.h.
439	C04; re-use salvaged tin ceiling for patching and selective replacement	SF	\$16.00							55	\$880	4.h.
440	09 50 00 Specialty Ceilings Total				\$0		\$0		\$0		\$102,637	
441												
442	09 64 00 Wood Flooring											
443	Finished Wood Flooring (004)	SF	\$15.00			75	\$1,125					2.a.
444	Wood Wall Base (004, 005, 006, 007)	LF	\$2.00			127	\$254					2.f.
445	Finished Wood Flooring (104)	SF	\$15.00					103	\$1,545			3.b.
446	Wood Wall Base (104)	LF	\$2.00					39	\$78			3.b.
447	Repair & Refinish Wood (110)	SF	\$8.00					91	\$728			3.e.
448	Finished Wood Flooring (112)	SF	\$15.00					242	\$3,630			3.f.
449	Repair & Refinish Wood (112)	SF	\$8.00					161	\$1,288			3.f.
450	Wood Wall Base (010)	LF	\$2.00					64	\$128			3.f.
451	Wood Wall Base (012)	LF	\$2.00					80	\$160			3.g.
452	Repair & Refinish Wood (207)	SF	\$8.00					511	\$4,088			3.j.
453	Finished Wood Flooring (003, 009, 103, 106, 107, 114, 204)	SF	\$15.00							877	\$13,155	4.e.
454	Finished Wood Flooring @ Stair (001, 101, 201)	SF	\$15.00			127	\$1,905					2.b.
455	Repair & Refinish Wood (105, 108, 111, 113)	SF	\$8.00							1,630	\$13,040	4.i.
456	Repair & Refinish Wood @ Stair (109, 208)	SF	\$10.00							72	\$720	4.i.
457	Wood Wall Base (001, 003, 009, 101, 103, 105, 106, 107, 113, 114, 201, 204)	LF	\$2.00							329	\$658	4.i.
458												

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
459	Reinstall & Refinish Existing Wood Base (108, 109)	LF	\$1.00							106	\$106	4.i.
460	09 64 00 Wood Flooring Total				\$0		\$3,284		\$11,645		\$27,679	
461												
462	09 65 00 Flooring											
463	09 65 19 Resilient Tile Flooring											
464	Resilient Flooring; 2x2x1/8 tile (011)	SF	\$7.75							95	\$736	4.e.
465	Resilient Base; vinyl (011)	LF	\$2.65							40	\$106	4.e.
466	Resilient Flooring (008, 015)	SF	\$7.75							24	\$186	4.e.
467	Resilient Base (008, 015)	LF	\$2.65							19	\$50	4.e.
468	Resilient Flooring (202)	SF	\$7.75			38	\$295					2.e.
469	Resilient Base (202)	LF	\$2.65			24	\$64					2.e.
470	Carpet to elevator cab	SF	\$6.00			35	\$210					2.a.
471	09 65 00 Flooring Total				\$0		\$568		\$0		\$1,079	
472												
473	09 90 00 ***Painting and Coating											
474	P00 - intumescent coating to closed cell foam insulation	SF	\$25.00	755	\$18,875							1.a.
475	C02 - intumescent coating to closed cell foam insulation at wood framed ceiling at Eli Attic	SF	\$20.00	490	\$9,800							1.a.
476	Paint new wallboard	SF	\$0.50	3,004	\$1,502							1.a.
477	Paint new wallboard	SF	\$11.21			880	\$9,867					2.f.
478	Paint new wallboard	SF	\$0.50					42	\$21			3.a.
479	Paint new wallboard	SF	\$0.50					320	\$160			3.b.
480	Paint new wallboard	SF	\$0.50					438	\$219			3.f.
481	Paint new wallboard	SF	\$0.50					560	\$280			3.h.
482	Paint new wallboard	SF	\$0.50					448	\$224			3.i.
483	Paint new wallboard	SF	\$0.50					80	\$40			3.g.
484	Paint new wallboard	SF	\$0.50					560	\$280			3.h.
485	Paint new wallboard	SF	\$0.50							946	\$473	4.i.
486	Paint Partition Walls (004, 005, 006, 007)	SF	\$2.25			744	\$1,674					2.f.
487	Prep and paint Partition Walls (104)	SF	\$1.25					20	\$25			3.b.
488	Paint Partition Walls (110)	SF	\$1.25					360	\$450			3.e.
489	Paint Partition Walls (012)	SF	\$1.25					780	\$975			3.g.
490	Paint Partition Walls (207)	SF	\$1.25					700	\$875			3.j.
491	Paint Partition Walls (001, 002, 003, 009, 013, 014, 101, 102, 103, 105, 106, 107, 108, 109, 111, 113, 114, 201, 202, 203, 204, 205, 206, 208)	SF	\$1.25							5,978	\$7,473	4.i.
492	Paint door and frame	EA	\$125.00			23	\$2,875					2.b.
493												
494	C06 at LULA machine room; gypsum board ceiling paint	SF	\$8.22			36	\$296					2.a.
495	C06 at Eli stair; gypsum board ceiling paint	SF	\$10.73			118	\$1,266					2.b.
496	C06 at storage First Floor; gypsum board ceiling paint	SF	\$20.00					12	\$240			3.h.
497	C06 at Eli First Floor; gypsum board ceiling paint	SF	\$7.15							418	\$2,989	4.i.
498	C07 at attic over Great Hall; gypsum board ceiling paint	SF	\$10.00	1,057	\$10,570							1.a.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
499	C07 meeting First Floor; gypsum board ceiling paint	SF	\$11.50							29	\$334	4.h.
500	C08 at Great Hall; gypsum board ceiling paint	SF	\$15.75	1,829	\$28,807							1.a.
501	C09 at balcony; gypsum board ceiling paint	SF	\$7.15							358	\$2,560	4.i.
502	Miscellaneous soffits, bulkheads and trim	SF	\$20.00							500	\$10,000	4.i.
503												
504	Prep and paint Existing Tin Ceiling	SF	\$5.00							992	\$4,960	4.h.
505												
506	Paint Wood Wall Base (004, 005, 006, 007)	LF	\$2.00			127	\$254					2.f.
507	Paint Wood Wall Base (104)	LF	\$2.00					39	\$78			3.b.
508	Paint Wood Wall Base (110)	LF	\$2.00					37	\$74			3.e.
509	Paint Wood Wall Base (010)	LF	\$2.00					64	\$128			3.f.
510	Paint Wood Wall Base (112)	LF	\$2.00					47	\$94			3.f.
511	Paint Wood Wall Base (012)	LF	\$2.00					80	\$160			3.g.
512	Paint Wood Wall Base (207)	LF	\$2.00					89	\$178			3.g.
513	Paint Wood Wall Base (001, 003, 009, 101, 103, 105, 106, 107, 111, 113, 114, 201, 204, 208)	LF	\$2.00							394	\$788	4.i.
514	Paint - Reinstall & Refinish Existing Wood Base (108, 109)	LF	\$2.00							106	\$212	4.i.
515	Prep and paint ETR wainscoting	SF	\$1.85					85	\$157			3.e.
516	Prep and paint ETR wainscoting	SF	\$1.85					119	\$220			3.f.
517	Prep and paint ETR wainscoting	SF	\$1.85							173	\$320	4.i.
518	Paint wainscoting	SF	\$1.10			200	\$220					2.d.
519	Paint wainscoting	SF	\$1.10			387	\$426					2.e.
520	Paint beadboard wainscoting	SF	\$1.10			440	\$484					2.f.
521	Paint wainscoting	SF	\$1.10							96	\$105	4.i.
522												
523	Concrete Flooring (013); assume seal	SF	\$3.00							305	\$915	4.i.
524												
525	Prep and paint exterior clapboards	SF	\$0.75							5,612	\$4,209	4.i.
526	Prep and paint wood window; assume inside and out	OPEN	\$750.00	25	\$18,750							1.f.
527												
528	General touch-up and miscellaneous painting	LS	\$6,000.00	40%	\$2,409							1.b.
529	General touch-up and miscellaneous painting	LS	\$6,000.00			24%	\$1,422					2.f.
530	General touch-up and miscellaneous painting	LS	\$6,000.00					12%	\$702			3.g.
531	General touch-up and miscellaneous painting	LS	\$6,000.00							24%	\$1,467	4.i.
532	09 90 00 ***Painting and Coating Total				\$90,713		\$18,784		\$5,581		\$36,803	
533												
534												
535												
536												
537												
538												
539												



DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
540	10 SPECIALTIES											
541												
542	10 00 00 Specialties											
543	10 14 00 Signage											
544	Room identification, wayfinding	GSF	\$0.50							5,833	\$2,917	4.i.
545	10 21 13 Toilet Compartments											
546	10 28 13 Toilet Accessories											
547	Toilet Partitions	EA	\$1,000.00			3	\$3,000					2.f.
548	Paper Towel Dispenser	EA	\$65.00			4	\$260					2.f.
549	Toilet Paper Dispenser	EA	\$35.00			5	\$175					2.f.
550	Soap Dispenser	EA	\$45.00			4	\$180					2.f.
551	Sanitary Towel Disposal	EA	\$175.00			5	\$875					2.f.
552	Grab Rails	EA	\$150.00			2	\$300					2.f.
553	Changing Table	EA	\$300.00			3	\$900					2.f.
554	Mirror @ restrooms	EA	\$250.00			3	\$750					2.f.
555	Janitors mop rack and shelf	EA	\$350.00					1	\$350			3.i.
556	10 44 00 Fire Protection Specialties											
557	Assume 1ea per 4,500sf	EA	\$400.00							2	\$800	4.i.
558	10 80 00 Other Specialties											
559	Remove/ Reinstall Small and Main Quilts (A/11.1)	AL	\$2,000.00	1	\$2,000							1.a.
560	Install Salvaged Clock (A-13)	EA	\$100.00	1	\$100							1.a.
561	10 00 00 Specialties Total				\$2,100		\$6,440		\$350		\$3,717	
562												
563												
564	11 EQUIPMENT											
565												
566	11 00 00 Equipment											
567	Kitchenette/Pantry appliances	RMS	\$5,000.00					1	\$5,000			3.b.
568	Markerboard, tackboards	AL	\$4,000.00							1	\$4,000	4.i.
569	11 52 13 Projection Screens											
570	Assume 1ea per meeting room	EA	\$2,500.00							3	delete	4.i.
571	11 00 00 Equipment Total				\$0		\$0		\$5,000		\$4,000	
572												
573												
574	14 CONVEYING EQUIPMENT											
575												
576	14 26 00 ***LU/LA Elevator											
577	Passenger Elevator; 1,400 lbs, 30fpm, 3 stops	LS	\$65,000.00			1	\$65,000					2.a.
578	14 26 00 ***LU/LA Elevator Total				\$0		\$65,000		\$0		\$0	
579												
580												
581												

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
582	22 PLUMBING											
583												
584	22 00 00 ***Plumbing											
585	Water meter	EA	\$1,500.00	1	\$1,500							1.e.
586	Electric hot water heater 30 gallon	EA	\$7,500.00	1	\$7,500							1.e.
587	Hot water circulation pump 3 gpm	EA	\$750.00	1	\$750							1.e.
588	Duplex set submersible ejector pump system	EA	\$10,000.00	1	\$10,000							1.e.
589	Water closet	EA	\$1,600.00			4	\$1,650					2.f.
590	Lavatory	EA	\$1,150.00			3	\$1,200					2.f.
591	Water closet ADA	EA				1	\$1,650					2.f.
592	Lavatory ADA	EA				1	\$1,200					2.f.
593	Sink	EA	\$1,000.00					1	\$1,000			3.b.
594	Janitors sink	EA	\$1,050.00					1	\$1,050			3.i.
595	Hose bibb	EA	\$250.00							2	\$500	4.i.
596	Floor drain	EA	\$950.00			2	\$1,200					2.f.
597	Trap primer	EA	\$450.00			1	\$1,200					2.f.
598	Wall hydrant	EA	\$355.00							1	\$355	4.i.
599	Domestic water pipe with fittings & hangers	LF	\$38.00			350	\$13,300					2.f.
600	Domestic water pipe with fittings & hangers	LF	\$38.00					50	\$1,900			3.b.
601	Sanitary waste and vent pipe with fittings and hangers	LF	\$44.00			290	\$12,760					2.f.
602	Sanitary waste and vent pipe with fittings and hangers	LF	\$44.00					40	\$1,760			3.b.
603	Pipe insulation	EA	\$12.00			350	\$4,200					2.f.
604	Pipe insulation	EA	\$12.00					50	\$600			3.g.
605	Demolition	LS	\$3,000.00	1	\$3,000							1.e.
606	Coordination & management	LS	\$2,500.00	1	\$2,500							1.e.
607	Coring and patching	LS	\$2,000.00	1	\$2,000							1.e.
608	Flushing & sanitizing	LS	\$1,600.00	1	\$1,600							1.e.
609	Fees & permits	LS	\$1,000.00	1	\$1,000							1.e.
610	22 00 00 ***Plumbing Total				\$29,850		\$38,360		\$6,310		\$855	
611												
612												
613	23 HEATING, VENTILATING & AIR CONDITIONING											
614												
615	23 00 00 ***HVAC											1.c.
616	Temporary heating system during construction	MTH	\$5,000.00	3	\$15,000							1.c.
617	ERV with electric heat	CFM	\$12.00	1,650	\$19,800							1.c.
618	Air source heat pump	TONS	\$985.00	26	\$25,610							1.c.
619	Branch controller	EA	\$4,500.00	1	\$4,500							1.c.
620	Fan coil with DX coil	EA	\$3,200.00	10	\$32,000							1.c.
621	Electric heater	EA	\$650.00	9	\$5,850							1.c.
622	Galvanized ductwork with fittings & hangers	LBS	\$13.00	6,200	\$80,600							1.c.
623	Duct insulation	SF	\$4.00	3,700	\$14,800							1.c.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
624	Registers, grilles & diffusers	EA	\$125.00	32	\$4,000							1.c.
625	Miscellaneous duct accessories	LS	\$3,000.00	1	\$3,000							1.c.
626	Sound attenuators	LS	\$6,000.00	1	\$6,000							1.c.
627	Refrigerant pipe with fittings & hangers	LF	\$40.00	1,500	\$60,000							1.c.
628	Condensate drain pipe with fittings & hangers	LF	\$22.00	300	\$6,600							1.c.
629	Pipe insulation	LF	\$12.00	1,800	\$21,600							1.c.
630	Valves and accessories	LS	\$9,000.00	1	\$9,000							1.c.
631	Automatic temperature control (Thermostats)	EA	\$1,225.00	14	\$17,150							1.c.
632	Testing & balancing	LS	\$4,500.00	1	\$4,500							1.c.
633	Demolition	LS	\$5,500.00	1	\$5,500							1.c.
634	Premium to remove oil tank, fill/vent system, oil fired furnaces	ADJ	\$5,000.00	1	\$5,000							1.c.
635	Coordination & management	LS	\$5,600.00	1	\$5,600							1.c.
636	Coring and patching	LS	\$3,500.00	1	\$3,500							1.c.
637	Rigging & equipment rental	LS	\$10,000.00	1	\$10,000							1.c.
638	Equipment startup	LS	\$1,000.00	1	\$1,000							1.c.
639	23 00 00 ***HVAC Total				\$360,610		\$0		\$0		\$0	
640												
641												
642	26 ELECTRICAL											
643												
644	26 00 00 ***Electrical											
645	<i>Gear and Distribution</i>											1.e.
646	Normal Power/Emergency Power											1.e.
647	Meter provision	EA	\$350.00	1	\$350							1.e.
648	200A panelboard	EA	\$2,350.00	1	\$2,350							1.e.
649	100A panelboard	EA	\$1,850.00	1	\$1,850							1.e.
650	100A MTS	EA	\$2,150.00	1	\$2,150							1.e.
651	200A feed (to overhead connection at mast)	LF	\$56.00	70	\$3,920							1.e.
652	100A feed	LF	\$30.00	20	\$600							1.e.
653	Portable generator connection cabinet	EA	\$3,500.00	1	\$3,500							1.e.
654	100A feed	LF	\$30.00	50	\$1,500							1.e.
655												
656	c. Branch Power											
657	<i>Branch Power</i>											
658	Duplex receptacle	EA	\$24.00	24	\$576							1.e.
659	Duplex receptacle at Support Facilities program	EA	\$24.00					17	\$408			3.g.
660	Double Duplex receptacle	EA	\$48.00	3	\$144							1.e.
661	Double Duplex receptacle in floor box	EA	\$48.00	1	\$48							1.e.
662	GFI receptacle	EA	\$39.50	14	\$553							1.e.
663	GFI receptacle WP	EA	\$49.50	1	\$50							1.e.
664	2-Channel wiremold	LF	\$65.00	4	\$260							1.e.
665	Floor box/poke thru	EA	\$650.00	3	\$1,950							1.e.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
666	Device box	EA	\$25.00	44	\$1,100							1.e.
667	Device box at Support Facilities program	EA	\$25.00					17	\$425			3.g.
668	3/4" EMT	EA	\$7.00	500	\$3,500							1.e.
669	#12 THHN	EA	\$1.00	2,500	\$2,500							1.e.
670	MC cable	LF	\$4.50	850	\$3,825							1.e.
671	MC cable at Support Facilities program	LF	\$4.50					400	\$1,800			3.g.
672												
673	d. Lighting Fixtures											
674	Lighting Allowance per narrative	LS	\$57,400.00	1	\$57,400							1.e.
675	Lighting Installation	LS	\$23,000.00	1	\$23,000							1.e.
676	Type C1	EA		4	Incl. Above							1.e.
677	Type C2	EA		1	Incl. Above							1.e.
678	Type C3	EA		1	Incl. Above							1.e.
679	Type C4	EA		8	Incl. Above							1.e.
680	Type C5	LF		16	Incl. Above							1.e.
681	Type R1	EA		1	Incl. Above							1.e.
682	Type R2	LF	\$120.00	63	Incl. Above			8	\$960			3.g.
683	Type R3	EA						12	See Alternate			1.e.
684	Type R4	EA						11	See Alternate			1.e.
685	Type S1	EA		16	Incl. Above							1.e.
686	Type S2	EA	\$120.00	70	Incl. Above			64	\$7,680			3.g.
687	Type S4	EA		2	Incl. Above							1.e.
688	Type S5	EA		8	Incl. Above							1.e.
689	Type S6	EA						2	See Alternate			1.e.
690	Type W1	EA		1	Incl. Above							1.e.
691	Type W2	EA		3	Incl. Above							1.e.
692	Type W3	EA		10	Incl. Above							1.e.
693	Type W4	LF		4	Incl. Above							1.e.
694	Type W6 (Track)	LF				62	See Alternate					2.f.
695	Type W6 (Track heads)	EA				21	See Alternate					2.f.
696	EBU	EA	\$180.00	32	Incl. Above	5	\$900					2.f.
697	Re-lamp LED existing fixture	EA	\$100.00	3	Incl. Above	5	\$500					2.f.
698	Exit lighting	EA		9	Incl. Above							2.f.
699	Site Lighting	LS	\$15,000.00			1	\$15,000					2.f.
700	Great Hall Event Room lighting and controls (see Alternate	LS	See Alternate					1	See Alternate			1.e.
701	Device box	EA	\$25.00	195	\$4,875							1.e.
702	Device box	EA	\$25.00					10	\$250			3.g.
703	3/4" EMT	EA	\$7.00	500	\$3,500							1.e.
704	#12 THHN	EA	\$1.00	2,500	\$2,500							1.e.
705	MC cable	LF	\$4.50	3,300	\$14,850							1.e.
706	MC cable	LF	\$4.50					300	\$1,350			3.g.
707												

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
708	e. Lighting Control											
709	Lighting controls, switches and sensors (not depicted at this scope level)	SF	\$1.35	5,833	\$7,875							1.e.
710												1.e.
711	f. Power Transmission Equipment											1.e.
712	<i>Equipment Wiring</i>											1.e.
713	Elevator feed and connections	EA	\$3,000.00	1	\$3,000							1.e.
714	Elevator sump pump feed and connections	EA	\$1,500.00	1	\$1,500							1.e.
715	ERV feed and connection	EA	\$1,600.00	2	\$3,200							1.e.
716	Wall Heater feed and connection	EA	\$850.00	9	\$7,650							1.e.
717	Pump feed and connection	EA	\$850.00	1	\$850							1.e.
718	Heat pump feed and connection	EA	\$650.00	26	\$16,900							1.e.
719	WH feed and connection	EA	\$650.00	1	\$650							1.e.
720	UH feed and connection	EA	\$650.00	2	\$1,300							1.e.
721	FCU feed and connection	EA	\$650.00	10	\$6,500							1.e.
722	BC feed and connection	EA	\$450.00	1	\$450							1.e.
723	Damper feed and connection	EA	\$450.00	5	\$2,250							1.e.
724												1.e.
725	g. Lightning Protection											1.e.
726	Lightning Protection system											1.e.
727	Building grounding	LS	\$4,500.00	1	\$4,500							1.e.
728												
729	h. Fire Alarm											
730	Control panel	LS	\$7,500.00			1	\$7,500					2.e.
731	LCD Annunciator	EA	\$1,500.00			1	\$1,500					2.e.
732	Knox box	EA	\$650.00			1	\$650					2.e.
733	Digital dialer	EA	\$850.00			1	\$850					2.e.
734	Beacon	EA	\$225.00			1	\$225					2.e.
735	Initiating device	EA	\$140.00			52	\$7,280					2.e.
736	Audio visual device	EA	\$120.00			10	\$1,200					2.e.
737	Visual device	EA	\$105.00			11	\$1,155					2.e.
738	RAI	EA	\$150.00			1	\$150					2.e.
739	Modules	EA	\$220.00			6	\$1,320					2.e.
740	Device box	EA	\$25.00			80	\$2,000					2.e.
741	3/4" EMT	LF	\$7.00			300	\$2,100					2.e.
742	FA cable	LF	\$1.30			500	\$650					2.e.
743	FA MC cable	LF	\$5.50			2,100	\$11,550					2.e.
744	Testing and programming	LS	\$2,000.00			1	\$2,000					2.e.
745	Bi-Directional Amplification System; assume NIC											2.e.
746												
747	i. Other											
748	Utility charges	LS	\$5,000.00	1	\$5,000							1.e.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
749	Temp lighting and power	LS	\$3,500.00	1	\$3,500							1.e.
750	Keep fire alarm operational during construction	LS	\$0.50			5,833	\$2,917					2.e.
751	Demolition work	LS	\$3,500.00	1	\$3,500							1.e.
752	Coordination, BIM & management	LS	\$5,000.00	1	\$5,000							1.e.
753	Fees and permits	LS	\$5,000.00	1	\$5,000							1.e.
754	26 00 00 ***Electrical Total				\$215,475		\$59,447		\$12,873		\$0	
755												
756												
757	27-COMMUNICATIONS & LOW VOLTAGE											
758												
759	a. Cable Distribution and Devices (Data/Comm)											
760	<i>Telecommunications System</i>											1.e.
761	MDF closet	LOC	4,500.00	1	\$4,500							1.e.
762	2-port device	EA	44.00	11	\$484							1.e.
763	Cat. 6A cable	LF	1.30	2,500	\$3,250							1.e.
764	Device box with 1" conduit stub to ceiling	EA	\$120.00	8	\$960							1.e.
765	Grounding	LS	\$1,000.00	1	\$1,000							1.e.
766												
767	27 41 00 Audio Visual Systems											3.c.
768	<i>Audio Visual System</i>							1	See Alternate			3.c.
769	Great Hall Event Sound system (see Alternate)	LS	See Alternate									3.c.
770	Device box with conduit stub to ceiling	EA	\$120.00					1	\$120			3.c.
771	27-Communications & Low Voltage Total				\$10,194		\$0		\$120		\$0	
772												
773												
774	28-SECURITY & CCTV											1.e.
775												1.e.
776	d. Intrusion Detection											1.e.
777	<i>Security System (not depicted at this scope level)</i>											1.e.
778	Head end, cameras, access devices and circuitry	SF	\$2.00	5,833	delete							1.e.
779	28-Security & Cctv Total				delete		\$0		\$0		\$0	
780												
781												
782	31 EARTHWORK											
783												
784	31 20 00 Earthwork											
785	02 41 13 Site Preparation											
786	Mobilization	LS	\$5,000.00							1	\$5,000	4.f.
787	Construction fence installation and maintenance	LF	\$15.00							518	\$7,770	4.f.
788	Double construction gate	EA	\$2,500.00							2	\$5,000	4.f.
789	Temporary construction entrance	LS	\$5,500.00							1	\$5,500	4.f.
790	Temporary signs	LS	\$2,250.00							1	\$2,250	4.f.

DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
791	Protection of elements to remain	AL	\$10,000.00							1	\$10,000	4.f.
792	Temporary utility	AL	\$15,000.00							1	\$15,000	4.f.
793	Erosion control barrier install and maintenance	LF	\$12.00							518	\$6,216	4.f.
794	Silt sacks in all ex. drainage structures	LS	\$1,000.00							1	\$1,000	4.f.
795												
796	Excavation & grading at VRF new equipment	DAY	\$3,500.00	5	\$17,500							1.d.
797	Structural fill	CY	\$65.00	25	\$1,625							1.d.
798	Excavate for earth-form slab thickening, 6" compacted gravel bed, vapor barrier wrap, 6" compacted gravel topping	LOC	\$1,846.25	5	\$9,231							1.d.
799	<i>New LU/LA elevator</i>											
800	Hand excavate soil substrate for new pit	CY	\$86.25			37	\$3,163					2.a.
801	Compacted structural fill 6" thick, crushed stone base 4" thick	CY	\$74.75			6	\$455					2.a.
802	<i>Address Ongoing Water Infiltration, det 2.1/A-10.0</i>											
803	Hand excavate soil substrate for new slab; assume 36" deep	CY	\$75.00							169	\$12,687	4.e.
804	at Utility Area	CY	\$112.50							3	\$374	4.e.
805	Trenching, 4" foundation drain, filter fabric, crushed stone surround; North and East walls	LF	\$66.00							80	\$5,247	4.e.
806	at Utility Area	LF	\$66.00							52	\$3,399	4.e.
807	Foundation wall sleeve, drill penetration, +10' drain exterior extension beyond wall	LOC	\$1,700.00							1	\$1,700	4.e.
808	Excavate for earth-form column footing, 6" compacted gravel bed, vapor barrier wrap, 6" compacted gravel topping	LOC	\$1,055.00							6	\$6,330	4.e.
809	Compacted structural fill	CY	\$74.75							93	\$6,920	4.e.
810	<i>Reconfigure front entrance</i>											
811	Strip topsoil	DAY	\$3,500.00							1	\$3,500	4.f.
812	Remove & disposal of topsoil	LS	\$1,850.00							1	\$1,850	4.f.
813	Excavation & grading	DAY	\$3,500.00							10	\$35,000	4.f.
814	Structural fill	CY	\$65.00							285	\$18,537	4.f.
815	31 20 00 Earthwork Total				\$28,356		\$3,617		\$0		\$153,279	
816												
817												
818	32 EXTERIOR IMPROVEMENTS											
819												
820	32 10 00 Paving and Surfacing											
821	32 12 00 Asphalt Paving											
822	32 13 13 Exterior Concrete											
823	32 16 00 Curbing											
824	<i>Replace Ramp At 1895 With Accessible Walkway</i>											
825	Concrete paving; exposed aggregate, 4" thick	SF	\$11.50							216	\$2,484	4.a.
826	Gravel base; 8" thick	CY	\$38.00							6	\$223	4.a.
827	<i>Reconfigure front entrance</i>											
828	Asphalt vehicular paving; 2.5" base, 1.5" top	SF	\$5.50							1,278	\$7,029	4.f.
829	Gravel base; 12" thick	CY	\$38.00							52	\$1,979	4.f.



DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
830	Cape cod berm	LF	\$18.00							25	\$450	4.f.
831	Pavement markings	LS	\$3,500.00							1	\$3,500	4.f.
832	Asphalt walkway paving; 2" base, 1" top	SF	\$4.75							284	\$1,349	4.f.
833	Gravel base; 8" thick	CY	\$38.00							8	\$293	4.f.
834	Concrete paving; seeded exposed aggregate, sawcut, 4" thick	SF	\$16.50							469	\$7,739	4.f.
835	Gravel base; 8" thick	CY	\$38.00							13	\$484	4.f.
836	Concrete paving; seeded exposed aggregate, 4" thick	SF	\$14.50							804	\$11,658	4.f.
837	Gravel base; 8" thick	CY	\$38.00							22	\$830	4.f.
838	Curb cuts	EA	\$850.00							2	\$1,700	4.f.
839	Detectable warning strips	SF	\$85.00							30	\$2,550	4.f.
840	2" rigid insulation for frost protection	SF	\$5.00							54	\$270	4.f.
841	Cobblestone banding; reclaimed, 5.5" thick	SF	\$8.50							94	\$799	4.f.
842	Concrete base; 5" thick	SF	\$8.00							103	\$827	4.f.
843	Gravel base; 8" thick	CY	\$38.00							3	\$107	4.f.
844	Granite curbing	LF	\$42.00							172	\$7,224	4.f.
845	Concrete stairs	SF	\$95.00							76	\$7,220	4.f.
846	32 10 00 Paving and Surfacing Total				\$0		\$0		\$0		\$58,714	
847												
848	32 30 00 Site Improvements											
849	VRF Pads	EA	\$7,500.00	1	\$7,500							1.d.
850	12 93 00 Site Furnishings											
851	Hay scale historical marker	AL	\$5,000.00							1	\$5,000	4.f.
852	Granite bench x6' long, wood topper	AL	\$8,500.00							1	\$8,500	4.f.
853	Metal handrails at stairs and ramp	LF	\$245.00							48	\$11,858	4.f.
854	Misc. metal handrails (shown as TBD)	LF	\$245.00							30	\$7,350	4.f.
855	Misc. site signage	LS	\$2,500.00							1	\$2,500	4.f.
856	Bike rack	LS	\$5,000.00							1	\$5,000	4.f.
857	32 31 00 Fencing											
858	Rebuild stone retaining wall at lower entry - Div 04 Masonry											4.d.
859	Wood fencing; 8' height to match existing	LF	\$175.00							35	\$6,125	4.c.
860	Wood fencing; 10' height double layer sound attenuating	LF	\$225.00	35	\$7,875							1.d.
861	Wood gate; 10' height double layer sound attenuating	EA	\$2,750.00	1	\$2,750							1.d.
862	32 30 00 Site Improvements Total				\$18,125		\$0		\$0		\$46,333	
863												
864	32 90 00 Planting											
865	32 91 00 Loam and Planting Preparation											
866	32 92 00 Turf and Grasses											
867	Loam and seed; 6" thick topsoil	SF	\$3.50							3,750	\$13,125	4.f.
868	Plating bed; 12" thick planting soil	SF	\$25.00							45	\$1,125	4.f.
869	Crushed stone strip; 12" thick planting soil	SF	\$20.00							132	\$2,640	4.f.
870	CC - Carpinus caroliniana 2.5-3.0" cal.	EA	\$975.00							2	\$1,950	4.f.
871	TMD - Taxus x media 'Densiformis'; 24" height	EA	\$185.00							4	\$740	4.f.



DIRECT TRADE COST DETAILS

row	ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION		COST CODES
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
872	PV - Panicum viergatum 'Cape Breeze'; 2 gal.	EA	\$45.00							8	\$360	4.f.
873	NT - Narcissus 'Tete-a-Tete'; 2 gal.	EA	\$45.00							8	\$360	4.f.
874	32 90 00 Planting Total				\$0		\$0		\$0		\$20,300	
875												
876												
877	33 UTILITIES											
878												
879	33 30 00 Sanitary Sewerage											
880	Reset vent pipe, new decorative cover	LOC	\$1,200.00			1	\$1,200					2.f.
881	33 30 00 Sanitary Sewerage Total				\$0		\$1,200		\$0		\$0	
882												
883	33 40 00 Storm Drainage											
884	DMH	EA	\$7,500.00							1	\$7,500	4.e.
885	Clean out	EA	\$950.00							1	\$950	4.e.
886	6" Sch40 PVC pipe	LF	\$125.00							70	\$8,700	4.e.
887	Connect to existing; core & boot	EA	\$4,500.00							1	\$4,500	4.e.
888	Clean out	EA	\$950.00							1	\$950	4.e.
889	Slot Drain	LF	\$395.00							8	\$3,160	4.e.
890	6" HDPE pipe	LF	\$135.00							42	\$5,670	4.e.
891	Connect to existing; core & boot	EA	\$4,500.00							1	\$4,500	4.e.
892	33 40 00 Storm Drainage Total				\$0		\$0		\$0		\$35,930	
893												
894	36 00 00 Site Electrical Support											
895	Earthwork, etc.	LF	\$45.00	100	\$4,500							1.e.
896	36 00 00 Site Electrical Support Total				\$4,500		\$0		\$0		\$0	
897												
898												
899												

ALTERNATES

ELEMENT			UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION	
					QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
9	ALTERNATE NO. 1											
10												
11	Audiovisual System in Great Hall											
12	Minor architectural modifications for new system	RMS	\$10,000.00					1	\$10,000			
13	AV Budget provided	AL	\$201,200.00					1	\$201,200			
14	Electrical infrastructure	RMS	\$51,000.00					1	\$51,000			
15	Burdens, Markups and Escalation			36%	\$0	37%	\$0	39%	\$102,784	36%	\$0	
16	Alternate No. 1 Total				\$0		\$0		\$365,000		\$0	
17												
18												
19	ALTERNATE NO. 2											
20												
21	Great Hall Event Lighting and Controls											
22	Minor architectural modifications for new system	RMS	\$5,000.00			1	\$5,000					
23	Event lighting and controls; Budget provided	AL	\$24,100.00			1	\$24,100					
24	Electrical infrastructure	RMS	\$7,000.00			1	\$7,000					
25	Burdens, Markups and Escalation			36%	\$0	37%	\$13,257	39%	\$0	36%	\$0	
26	Alternate No. 2 Total				\$0		\$49,400		\$0		\$0	
27												
28												
29	ALTERNATE NO. 3											
30												
31	Upgrade Illumination of Exterior Façade											
32	Minor architectural modifications for new system	LS	\$2,500.00							1	\$2,500	
33	Exterior illumination; Budget provided	AL	\$11,500.00							1	\$11,500	
34	Electrical infrastructure	LS	\$3,500.00							1	\$3,500	
35	Burdens, Markups and Escalation			36%	\$0	37%	\$0	39%	\$0	36%	\$6,363	
36	Alternate No. 3 Total				\$0		\$0		\$0		\$23,900	
37												
38												
39	ALTERNATE NO. 4											
40												
41	Improve Crescent Street Accessible Parking and Route											
42	ALT 1 per Site Drawings											
43	Construction fence installation and maintenance	LF	\$15.00			100	\$1,500					
44	Erosion control barrier install and maintenance	LF	\$12.00			100	\$1,200					
45	Silt sacks in all ex. drainage structures	AL	\$2,500.00			1	\$2,500					
46	Sawcut existing pavement	LF	\$12.00			150	\$1,800					

ALTERNATES

ELEMENT	UNIT	UNIT RATE	BUILDING SYSTEMS		ACCESSIBILITY		SUPPORT FACILITIES		RESTORATION	
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
47 R&D asphalt pavement	SF	\$1.50			852	\$1,278				
48 R&S granite curbing	LF	\$20.00			140	\$2,800				
49 R&D concrete walkway	SF	\$20.00			214	\$4,280				
50 Asphalt vehicular paving; 2.5" base, 1.5" top	SF	\$5.50			852	\$4,686				
51 Gravel base; 12" thick	CY	\$38.00			35	\$1,319				
52 Cape cod berm	LF	\$18.00			23	\$414				
53 Concrete paving; exposed aggregate, 4" thick	SF	\$11.50			435	\$5,003				
54 Gravel base; 8" thick	CY	\$38.00			12	\$449				
55 Curb cuts	EA	\$850.00			2	\$1,700				
56 Detectable warning strips	SF	\$85.00			59	\$5,015				
57 Granite curbing	LF	\$42.00			140	\$5,880				
58 Pavement markings	LS	\$1,500.00			1	\$1,500				
59 Loam and seed; 6" thick topsoil	SF	\$3.00			641	\$1,923				
60 Area drain	EA	\$2,500.00			1	\$2,500				
61 6" HDPE pipe	LF	\$135.00			42	\$5,670				
62 Bioretention Basin	SF	\$20.00			310	\$6,200				
63 <i>ALT 2 per Site Drawings</i>										
64 Stormwater CB; lower rim elevation	EA	\$7,500.00			1	\$7,500				
65 Patch asphalt paving	LS	\$5,000.00			1	\$5,000				
66 Burdens, Markups and Escalation			36%	\$0	37%	\$25,749	39%	\$0	36%	\$0
67 Alternate No. 4 Total				\$0		\$95,900		\$0		\$0
68										
69										
70										