

		Possibly Added at a Later Date	VE Cost	Accepted VE Items	Notes
I. Sitework					
1	Existing playground structures to remain as is- except playground structure outside 3rd grade wing- Cannot accept with Items 12, 14 or 17		-186,911		Removed from Accepted- VE costs included in Sit Design 2C Item 17
2	Existing playground structures to be removed, salvaged and reinstalled (for installation of new code compliant rubber surfacing)- Cannot accept with Item 1		-100,000		
3	Reduce granite curbing based on Site Option 4 Diagram- Cannot accept with Items 12, 14-18		-147,458.4		
4	Change vertical granite curbing to cape cod berm except along Ballfield Rd main loop- Cannot accept with Item 3		-236,800		
5	Delete Sod at playfields, provide seed	Y	-141,836.4	141,836	Accepted 10/3
6	Delete underground power/data duct bank to Lincoln Road, overhead power/data lines remains as is- Cannot accept with Item 17.3	Y	-551,356.8		
7	Delete rubber surfacing at playgrounds, provide wood fiber surfacing with rubber surfacing pathways per MAAB- Cannot accept with Items 12, 14 or 17		-239,884		Removed from Accepted- VE costs included in Sit Design 2C Item 17
8	Substitute bituminous paving for concrete in areas as indicated in Site Option 4 Diagram		-309,301.2		Dependent on Site Option Selected
9	Reduce granite benches by 50%		-96,620		
10	Remove all granite benches- Cannot accept with Item 9 or Item 12	Y	-193,240	193,240	
11	Eliminate all planting (trees, shrubs and groundcover, seeding to remain)- Cannot accept with Items 12, 14-18		-239,556		Refer to New Item 17.5 for Landscaping VE for App Site Diagram 2C
12	Site Diagram 1- site scope is limited to code upgrades and site area impacted by new building design and construction- Cannot accept with Items 14-18	Y	-4,978,665.6		
12.1	Site Diagram 1- Substitute bituminous pavement for concrete walkways- Cannot accept with Items 14-18	Y	-114,730.8		
12.2	Site Diagram 1- Substitute bituminous curbing for granite curbing- Cannot accept with Items 14-18	Y	-23,954.4		
13	Remove half basketball court near Reed Gym- Cannot accept with Item 12	Y	-50,400		
14	Site Diagram 2A- site scope is scope included in Site Diagram 1 plus Brooks parking lot and kitchen receiving drive- Cannot accept with Items 12 and 15-18	Y	-3,522,493.2		
14.1	Site Diagram 2A- Substitute bituminous pavement for concrete walkways- Cannot accept with Items 12 and 15-18	Y	-178,485.6		
14.2	Site Diagram 2A- Substitute bituminous curbing for granite curbing- Cannot accept with Items 12 and 15-18	Y	-83,763.6		
15	Site Diagram 2B- site scope is scope included in Site Diagram 1 plus Smith and Brooks parking lots and kitchen receiving drive- Cannot accept with Items 12, 14, 16-18	Y	-1,556,869.2		
15.1	Site Diagram 2B- Substitute bituminous pavement for concrete walkways- Cannot accept with Items 12, 14, 16-18	Y	-234,690		
15.2	Site Diagram 2B- Substitute bituminous curbing for granite curbing- Cannot accept with Items 12, 14, 16-18	Y	-139,789.2		
16	Site Diagram 3- site scope is scope included in Site Diagram 2 plus remainder of Ballfield Road loop road- Cannot accept with Items 12, 14-15, 17-18	Y	-753,406.8		
16.1	Site Diagram 3- Substitute bituminous pavement for concrete walkways- Cannot accept with Items 12, 14-15, 17-18	Y	-286,706.4		
16.2	Site Diagram 3- Substitute bituminous curbing for granite curbing- Cannot accept with Items 12, 14-15, 17-18	Y	-148,454.4		
17	Site Diagram 2C- site scope is scope included in Site Diagram 2C which is a hybrid version of Option 2B and 2C- Cannot accept with Items 12 and 14-16, 18	Y	-3,268,066.8	3,268,067	Accepted 10/17- Add Smith parking lot repaving
17.1	Site Diagram 2C- Substitute bituminous pavement for concrete walkways in areas as highlighted- Cannot accept with Items 12 and 14-16, 18	Y	-209,736	209,736	Accepted 10/24
17.2	Site Diagram 2C- Substitute bituminous curbing for granite curbing in locations as highlighted- Cannot accept with Items 12 and 14-16, 18	Y	-143,424		
17.3	Site Diagram 2C- Delete underground electrical ductbank (following existing overhead path), maintain existing overhead lines- Cannot accept with Item 6	Y	-220,492.8		
17.4	Site Diagram 2C- Eliminate all proposed site lighting	Y	-289,200	100,000	Accepted 10/24 as reduced scope
17.5	Site Diagram 2C- Eliminate all proposed landscaping	Y	-217,200		
18	Site Diagram 2D- site scope is scope included in Site Diagram 2C which is a hybrid version of Option 2B and 2C, however, all bituminous curbing is removed- existing road edge conditions to remain as existing- Cannot accept with Items 12 and 14-17	Y	-3,460,038		
19	Eliminate (3) three proposed site signs	Y	-90,000	90,000	Accepted 10/24
II. Interior & Exterior Building Components					
1	Eliminate skylights at MS Art Rooms (128 SF)	Y	-23,040		
2	Eliminate operable wall at 3rd grade classrooms, provide drywall partition (1 EA @ 284 SF)	N	-39,192		
3	Eliminate folding glass wall at 4th grade HUB, provide sliding 3' pocket door (1 EA @ 275 SF)	N	-49,500		
4	Eliminate operable wall at 4th grade classrooms, provide drywall partition (1 EA @ 284 SF)	N	-39,192		
5	Eliminate folding glass walls (2) at 5th grade HUB, provide sliding 3' pocket doors (2) (1 EA 498 SF)	N	-89,640		
6	Eliminate operable wall at 5th grade classrooms, provide drywall partition (280 SF)	N	-33,600		
7	Eliminate folding glass walls (2) at 6th grade HUB, provide sliding 3' pocket doors (2) (813 SF)	N	-146,340		
8	Eliminate operable wall at 6th grade classrooms, provide drywall partition (1 EA @ 284 SF)	N	-39,192		
9	Eliminate folding glass walls (2) at 7th grade HUB, provide sliding 3' pocket doors (2) (574 SF)	N	-103,320		
10	Eliminate folding glass wall at 8th grade HUB, provide sliding 3' pocket door (326 SF)	N	-58,680		
11	Eliminate operable wall at 8th grade classrooms, provide drywall partition (1 EA 283 SF)	N	-50,940		
12	Existing open bookshelving along window walls (replaced/installed in 1994) to remain- 446 LF	N	-214,080	214,080	Accepted 10/10
13	Existing base and upper cabinetry (replaced/installed in 1994) to remain except for new 4' wide ADA base/countertop at sinks	Y	-117,168	117,168	See Diagram C for 1994 spaces that will maintain as Accepted 10/10
14	Existing tall storage cabinets (replaced/installed in 1994) to remain- 110 LF	Y	-66,000	66,000	Accepted 10/10
15	Eliminate porcelain tile (PT) wainscott at Dining Commons & Learning Commons- Maintain only 4" PT base and abuse-resistant GWB	Y	-48,960		
16	Eliminate roof screen at Part D (68 LF)	N	-83,520		
17	Eliminate roof screen at Part E (100 LF)	N	-150,600		
18	Change all proposed linoleum flooring to VCT- at all locations	Y	-381,646.8		
19	Maintain existing VCT flooring in lieu of new linoleum at existing spaces not reconfigured- Cannot accept with Item 18	Y	-356,490		See Diagram A attached for locations to remain
20	Maintain existing VCT flooring in lieu of new VCT at existing spaces not reconfigured- Can only accept if Item 18 is accepted; Cannot accept with Item 19	Y	-188,306.4		
21	Change all proposed porcelain tile flooring to VCT at Learning and Dining Commons- Cannot accept with Item 21.1		-230,703.6		
21.1	Change all proposed porcelain tile flooring to linoleum at Learning and Dining Commons- Cannot accept with Item 21	Y	-190,000	190,000	Accepted 10/10
22	Change all ceramic tile flooring to epoxy flooring in all toilet rooms	Y	-49,514.4	49,514	Accepted 10/10
23	Change decorative acoustical Metal Works ceiling at Learning Commons to 2x2 ACT	Y	-188,928		

24	Reduce exterior glazing (triple pane fiberglass units) by 5%- revise to brick wall assembly	N	-36,000		
25	Existing REED gymnasium PVC roof membrane to remain	N	-233,349.6	200,000	Accepted 10/17
26	Existing wood doors in hollow metal frames at 1994 construction to remain	N	-74,400	59,520	See Diagram B attached for locations to remain; Accepted 10/10 as reduced scope
27	Reuse existing markerboards/tack boards - to remain as is in 1994 renovated spaces	Y	-68,340	54,672	See Diagram C attached for locations to remain; Accepted 10/10 as reduced scope
28	Eliminate exterior doors at classrooms (22 locations)- replace with brick wall assembly	N	-69,300		
29	Eliminate cubbies/lockers at PK-2 (install just coat hooks)	Y	-24,000		
30	Eliminate raised loading dock, ramps and railings	N	-54,000		
31	Reduce allowance for replacement of existing roof decking	N	-78,480		
32	Maintain dormers and bell tower structures at 1994 Link building	N	-80,800		
33	Eliminate sun shade/PV Canopies and trellis at 1st grade classrooms (1,420 sf)	N	-122,808		
34	Eliminate sun shade/PV Canopies and trellis at 4th grade classrooms (773 sf)	N	-68,245.2	68,245	Accepted 10/10
35	Eliminate sun shade/PV Canopies and trellis at 7th grade classrooms (925 sf)	N	-80,733.6		
36	Eliminate sun shade/PV Canopies and trellis at 8th grade classrooms (1,097 sf)	N	-95,745.6		
37	Eliminate sun shade/PV Canopies and Dining Commons facade (804 sf)	N	-70,172.4		
38	Eliminate sun shade/PV Canopies at REED corridor (1,400 sf)	N	-122,191.2		
39	Eliminate literacy resource tall bookcases casework	Y	-66,600		
40	Eliminate wood bench A-201/6	N	-135,000		
41	Structural- In lieu of removing existing basement/crawlspace concrete walls in the 1948 portion of the building being demolished, remove only the framed concrete slab at the first floor level. Infill the spaces with compacted fill.	N	-28,800	28,800	Accepted 10/17- Include removal of existing Smith Bo Room slab
III. Infrastructure (MEP)					
Electrical					
1	Reduce the number of interior security cameras by 20	Y	-73,500	73,500	Accepted 10/17
2	Revise power feeders rated 150 amp or larger to aluminum (phase and neutral conductors and copper ground conductor)	N	-36,000	36,000	Accepted 10/3
3	Reduce emergency generator size to 650kW by decreasing the shelter area	N	-78,000		
4	Reduce emergency generator size to 650kW- kitchen appliances can be pre-wired to normal power source (instead of standby)- Cannot accept with Item 3	N	-78,000		
5	Eliminate mass notification system	N	-198,769.2	198,769	Accepted 10/17
6	Eliminate new street lighting, existing to remain- Cannot accept with Items 12, 14-18		-396,435.6		Refer to New Item 17.4 for Site Lighting VE for App Site Diagram 2C
7	Add Wireless Microphones in Auditorium	Y	73,800		
8	Add Video Recording/Streaming in Auditorium	Y	13,200		
9	Add Broadcast video in Auditorium	Y	34,800		
10	Add Lecture Hall video in Auditorium	Y	21,120		
Plumbing					
1	Use NIRON or AQUATHERM piping in lieu of copper piping for domestic water piping	N	-126,000		
2	Eliminate piping insulation at cold water piping	N	-28,800		
3	Eliminate acid waste neutralization system	N	-54,000	54,000	Accepted 10/3
Mechanical					
1	Omit ceiling fans at Smith and Reed Gymnasiums	Y	-42,000		
2	Omit sound attenuators in systems installed at higher grade spaces (5-8), Admin and Gyms	N	-78,000		
3	Use ductless units in spaces currently intended to get ducted FCUs	N	-54,000		
4	Simplify controls with less interface between the BMS and the VRF control system	N	-180,000		
5	Add VAV and CO2 Demand Control Ventilation- Cannot accept with Items 6,7		270,000		
6	Add Change to Ducted Heat Pump- Cannot accept with Items 5,7		600,000		
7	Add- Change to Ducted Heat Pump with VAV and CO2 Demand Control Ventilation- Cannot accept with Items 5, 6	N	870,000	-870,000	Accepted 10/17
IV. General					
1	Reduce Modularity direct cost to \$2,000,000		-1,680,000	1,680,000	Accepted 10/17
2	Reduce the Photovoltaic direct cost to \$1,500,000- Cannot accept with Item 3		-1,200,000		
3	Reduce the Photovoltaic direct cost to \$zero		-3,000,000	2,500,000	Accepted 10/17- Allow for required infrastructure to be ready for full build out per SDA report
4	Add \$250,000 in direct cost to accommodate additional Incentive-based ECM upgrades		300,000	-300,000	Accepted 10/24
5	Add \$500,000 in direct cost to accommodate additional Incentive-based ECM upgrades		600,000		
6	Move FF&E to non capitol project cost - operational budget over 4 years			FF&E Budget	Not a construction cost reduction, reduces Total Project by \$1,056,000
7	Do not utilize CM @ Risk process				
V. Program Changes					
1	Change Learning Commons/Media Center/3rd Grade CR wing to new Design, increase Learning Commons by 1,000 sf		570,000		
2	Change Learning Commons/Media Center/3rd Grade CR wing to new Design, maintain existing Learning Commons size- Cannot accept with Item 1		150,000	-150,000	Accepted 10/3
3	Reduce Learning Commons in current design by 1,000 sf to minimal opening to cafeteria- Cannot accept with Items 1 or 2		-420,000		
4	Eliminate all Work in the Auditorium except HVAC, Fire Alarm, Code Upgrades and Fire Sprinklers - Cannot accept with Items 4.1-4.9	Y	-1,588,707.6		
4.1	Eliminate new Auditorium seating except for work as required to meet MAAB (Accessibility)	Y	-223,224		
4.2	Eliminate new acoustical wall partition between Auditorium and Lecture Hall (existing partition to remain)	Y	-279,300	279,300	Accepted 10/24; Develop as an Add Alternate in later
4.3	Eliminate new wood paneling at stage front (existing to remain)	Y	-25,968		
4.4	Eliminate new acoustical wall paneling	Y	-82,800		
4.5	Eliminate new finishes including carpeting and painting (existing to remain)	Y	-65,530		
4.6	Eliminate all new AV Equipment (Including Rough In)- Cannot accept with 4.7		-527,287		
4.6.1	Eliminate all new AV Equipment (Maintain Rough In)- Cannot accept with 4.7	Y	-359,287		
4.7	Eliminate all new AV Equipment except those elements identified as high priority- Cannot accept with Item 4.6	Y	-207,300	267,300	Accepted 10/17- Includes reduced AV Rough-In
4.8	Eliminate all new Theatrical Rigging	Y	-180,000		
4.9	Eliminate all new Theatrical Lighting	Y	-204,600	204,600	Accepted 10/17
5	Eliminate Media Center Wing, Commons SF to become Media Center (Decrease new Additions by 3,000 SF)	N	-1,260,000		
6	Eliminate Corridor Link to REED Gym (Decrease new Additions by 2,774 SF)	N	-1,165,080		
7	Eliminate 3rd grade HUB space - make corridor only (Decrease new Additions by 500 SF)	N	-210,000		
8	Retain Pre-K at Hartwell complex - eliminate SF for CASE classroom and new Smith storage additions (Decrease new Additions by 2,410 SF)	N	-1,012,200		Assumes district technology offices will be included by the program, CASE will remain in existing location
9	Eliminate Movement Room at REED Gym- Maintain existing locker room configuration as is	N	-107,472		

11	Reduce Central Storeroom at Loading Dock to 1,500 SF (Decrease new Additions by 1,000 SF)	N	-360,000	
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Total of all Accepted VE

9,024,347

Current Fogarty Cost Estimate

84,978,615

Construction Budget

76,009,457

Overage

8,969,158

Delta between Overage and Accepted VE

55,189