

SD- Value Engineering Scenarios

Updated 10/4/2018 (Incorporates 10/3 SBC Voted Items)

	Possibly Added at a Later Date	VE Cost	Accepted VE Items	Notes
<b>I. Sitework</b>				
1	Existing playground structures to remain as is- except playground structure outside 3rd grade wing	Y	\$ (186,911)	\$ 186,911
2	<del>Existing playground structures to be removed, salvaged and reinstalled (for installation of new code compliant rubber surfacing)- Cannot accept with Item 1</del>		\$ (100,000)	
3	Delete all vertical granite curbing (VGC) and replace with cape cod berm	Y	\$ (513,362)	
4	Change vertical granite curbing to cape cod berm except along Ballfield Rd main loop- Cannot accept with Item 3	Y	\$ (236,800)	
5	Delete Sod at playfields, provide seed	Y	\$ (141,836)	\$ 141,836
6	Delete underground power/data duct bank to Lincoln Road, overhead power/data lines remains as is	Y	\$ (551,357)	
7	Delete rubber surfacing at playgrounds, provide wood fiber surfacing with rubber surfacing pathways per MAAB	Y	\$ (239,884)	\$ 239,884
8	Substitute bituminous concrete for concrete at 50% of walkways	Y	\$ (203,564)	
9	<del>Reduce granite benches by 50%</del>		\$ (96,620)	
10	Remove all granite benches- Cannot accept with Item 9	Y	\$ (193,240)	\$ 193,240
11	Eliminate all planting (trees, shrubs and groundcover; seeding to remain)	Y	\$ (239,556)	
12	The entirety of the sitework remains as is with the exception of the scope of work shown in Site Diagram 1	Y	TBD	
13	Remove half basketball court near Reed Gym	Y	TBD	
<b>II. Interior &amp; Exterior Building Components</b>				
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)	
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)	See Diagram C for 1994 spaces that will maintain casework
14	Existing tall storage cabinets (replaced/installed in 1994) to remain- 110 LF	Y	\$ (66,000)	
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	\$ (381,647)	
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)	
21	Change all proposed porcelain tile flooring to VCT	Y	\$ (230,704)	
22	Change all ceramic tile flooring to epoxy flooring in all toilet rooms	Y	\$ (49,514)	
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	\$ (233,350)	
26	Existing wood doors in hollow metal frames at 1994 construction to remain	N	\$ (74,400)	See Diagram B attached for locations to remain
27	Reuse existing markerboards/tack boards - to remain as is in 1994 renovated spaces	Y	\$ (68,340)	See Diagram C attached for locations to remain
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	TBD	

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30	N	\$ (54,000)		
31	N	\$ (78,480)		
32	N	\$ (80,800)		
33	N	\$ (122,808)		
34	N	\$ (68,245)		
35	N	\$ (80,734)		
36	N	\$ (95,746)		
37	N	\$ (70,172)		
38	N	\$ (122,191)		
39	Y	\$ (66,600)		
40	N	\$ (135,000)		
41	N	\$ (28,800)		
<b>III. Infrastructure (MEP)</b>				
<b><u>Electrical</u></b>				
1	Y	\$ (73,500)		
2	N	\$ (36,000)	\$ 36,000	
3	N	\$ (78,000)		
4	N	\$ (78,000)		
5	N	\$ (198,769)		
7	Y	\$ 73,800		
8	Y	\$ 13,200		
9	Y	\$ 34,800		
10	Y	\$ 21,120		
<b><u>Plumbing</u></b>				
1	N	\$ (126,000)		
2	N	\$ (28,800)		
3	N	\$ (54,000)	\$ 54,000	
<b><u>Mechanical</u></b>				
1	Y	\$ (42,000)		
2	N	\$ (78,000)		
3	N	\$ (54,000)		
4	N	\$ (180,000)		
5	N	\$ 270,000		
6	N	\$ 600,000		
7	N	\$ 870,000		
<b>IV. General</b>				
1		\$ (1,680,000)		
2		\$ (1,200,000)		
3		\$ (3,000,000)		
4		\$ 300,000		

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5		\$ 600,000		
6		FF&E Budget		Not a construction cost reduction, reduces Total Project Cost by \$1,056,000
7				
<b>V. Program Changes</b>				
1		\$ 570,000		
2		\$ 150,000	\$ (150,000)	
3		\$ (420,000)		
4	Y	\$ (1,588,708)		
5	N	\$ (1,260,000)		
6	N	\$ (1,165,080)		
7	N	\$ (210,000)		
8	N	\$ (1,012,200)		Assumes district technology offices will be included back into the program, CASE will remain in existing location
9	N	TBD		
11	N	\$ (360,000)		

**Total of all Accepted VE**

**\$ 701,871**

**Current Fogarty Cost Estimate**

**\$ 84,978,615**

**Construction Budget**

**\$ 76,009,457**

**Overage**

**\$ 8,969,158**

**Delta between Overage and Accepted VE**

**\$ (8,267,287)**