

15027 - Dover High School
Design Development Estimate - Value Engineering Log
May 3, 2016



Current Design Development Estimate 03MAY16
 Budget: Schematic Estimate 06JAN16

\$72,291,000
 \$71,644,000

Cost Delta

\$647,000

A - Design Adjustments (These items have been applied to the current estimate)

Item Number	Title/Description	Total Cost
A1	Change granite seat walls to precast	(\$42,832)
A2	Adjust curtain wall SF, target 14,500 SF	(\$142,888)
A3	Reduce auditorium wall panels	(\$114,490)
A4	Change T&G wood clg to act at front entry	(\$54,398)
A5	Adjust projected brick quantity down to 15,000 SF	(\$305,563)
A6	Change colored concrete to standard concrete in courtyard.	(\$36,270)
A7	Change zinc metal roof edge to painted aluminum.	(\$33,309)
A8	Delete whiteboards in corridors	(\$21,055)
A9	Simplify Town Square elevations/openings and reduce glass railings	(\$14,334)
A10	Change glass handrail at learning common areas to half height drywall with wood cap.	(\$20,650)
A11	Change pendant light fixtures to lay-in fixtures in offices, small group rooms, science prep rooms	(\$13,445)
A12	Combustion air for Boilers (6x) from sidewall louver in PVC duct	(\$9,649)
A13	Minimize main return air duct runs	tbd
A14	Entry Canopy Modifications	(\$214,162)
A15	Changed solid surface to plastic laminate countertops	(\$42,832)
A16	Maintain wall tile at 35,000 SF	(\$243,959)
A17	Change interior curtain wall to borrowed lights in drywall partition.	(\$57,823)
A18	SW&V & Storm drain piping changed from Cast Iron to PVC	(\$171,202)
A19	Remove construction wood benches (to be by owner)	(\$20,792)
A20	Remove electrical training wood framed system (to be by owner)	(\$8,343)
A21	Add mat movers	\$32,124
A22	Change gypsum wall board soffits to ACT at classrooms	(\$79,069)
		(\$1,614,941)

B - Value Engineering Items

Item Number	Title/Description	Total Cost
B1	Change 4" Asphalt to 3-1/2" at loop	(\$10,025)
B2	Reduce CCTV and exterior Camera quantity	tbd
B3	Change linoleum to VCT	(\$232,000)
B4	Change all concrete sidewalks to bituminous sidewalks	(\$37,719)
B5	Change concrete pavers at entrances to standard concrete.	(\$51,775)
B6	Delete ceilings in art rooms, storage rooms and janitor closets	(\$5,409)
B7	Change tile floors in toilet rooms and locker rooms to epoxy (tile base to remain)	(\$13,035)
B8	Change granite curbing to concrete curbs within parking areas	(\$27,079)
B9	Reduce plantings around building and courtyard by 10%.	(\$31,727)
B10	Remove remaining wall tile and include impact resistant drywall and epoxy paint.	(\$259,723)
B11	Eliminate lightning protection	(\$32,124)
B12	Remove Riding Ring	(\$115,753)
B13	Change wood cloud ceiling from wood to gypsum board	tbd
Potential Value Engineering Value to be Accepted		(\$816,369)

C - Alternates

Item Number	Title/Description	Total Cost

C1	Add Two Tennis Courts	\$87,360
C2	Add 1-1/2" overlay on Alumni Drive.	\$52,220
C3	Add Softball Field Irrigation	\$43,680
C4	Increase steel tonnage at remaining roof area to support photovoltaics on entire roof.	\$70,214
C5	Add climbing wall in lieu of relocating existing climbing wall.	\$33,376
		\$286,850

D - Alternates With Fundraising Potential

Item Number	Title/Description	Total Cost
D1	Add Track to be installed summer of 2017	\$701,020
D2	Premium Stage Rigging (Increase current budget of \$175,000 by \$375,000 to target \$550,000)	\$375,000
D3	Premium Stage Lighting/Sound System (Raise additional funds beyond \$375,000 budget)	tbd
D4	Turf field upgrade from XM6 2.25" to Cool Play 2.5"	\$80,000
		\$1,156,020

Site changes with cost implications since Schematic Design:

Item Number	Title/Description	
1)	Required drainage system under turf field	\$113,821
2)	City requested changes to site water systems	\$65,019
3)	City requested changes to storm water systems	
4)	City request to widen entrance to Durham Road	

