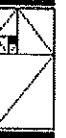


SYNTHESIS

Hoosick Falls CSD Proposed Capital Project Scope Review

June 9, 2017

Item Description	Quantity	Units	Cost/Unit	Cost	Conting. (20%)	Incidental (20%)	TOTAL	Item Total
SAFETY ITEMS								
SIGNAGE & ROOM RENUMBERING								
New way-finding signage, re-number rooms.	250	ea	\$100	25,000	5,000	5,000	35,000	35,000
FIRE ALARM								
Replace fire alarm system.	208,000	sf	\$1.25	260,000	52,000	52,000	364,000	364,000
ELEMENTARY CEILINGS AND LIGHTING								
Abate asbestos containing ceiling tiles.	11,000	sf	\$10	110,000	22,000	22,000	154,000	
Abate pipe insulation & fittings, in cig abatement areas.	1	LS	\$100,000	100,000	20,000	20,000	140,000	
Construct light wells at skylights in stairs.	2	ea	\$4,500	9,000	1,800	1,800	12,600	
Replace lighting and controls throughout elementary building, limited rewiring.	35,000	sf	\$5	175,000	35,000	35,000	245,000	
Reinsulate piping & fittings where insulation was removed by abatement.	1	LS	\$50,000	50,000	10,000	10,000	70,000	
Replace ceilings in locations where ceiling was removed by abatement.	11,000	sf	\$6	66,000	13,200	13,200	92,400	
Replace remaining ceilings and grid throughout elementary wing.	24,000	sf	\$8	192,000	38,400	38,400	268,800	982,800
HIGH SCHOOL CEILINGS AND LIGHTING								
Replace ceilings and grid throughout building.	140,000	sf	\$8	1,120,000	224,000	224,000	1,568,000	
Abate limited disturbed pipe insulation & fittings above ceilings.	1	allowance	\$20,000	20,000	4,000	4,000	28,000	
Construct light wells at skylights in stairs.	3	ea	\$4,500	13,500	2,700	2,700	18,900	
Replace lighting and controls throughout HS building, except HS lobby, limited rewiring.	170,000	sf	\$5	850,000	170,000	170,000	1,190,000	
Reinsulate piping & fittings in limited locations where insulation was removed by abatement.	1	allowance	\$10,000	10,000	2,000	2,000	14,000	2,838,900
ELEMENTARY CORRIDOR WALL AND GLAZING								
Replace transom glazing in sixth grade corridor with fire-rated metal stud/typ bd partition.	3,000	sf	\$15	45,000	9,000	9,000	63,000	
Provide safety/security film on classroom doors and sidelights.	34	ea	\$500	17,000	3,400	3,400	23,800	86,800
SITE LIGHTING								
Pole-mounted lights (replace leased lights at parking lot).	8	ea	\$5,000	40,000	8,000	8,000	56,000	
Provide additional site lighting (building-mounted).	10	ea	\$2,000	20,000	4,000	4,000	28,000	
Provide additional site lighting (pole-mounted, includes trenching).	5	ea	\$15,000	75,000	15,000	15,000	105,000	189,000
WATER SYSTEM								
Replace water purification system with UV system	1	LS	\$60,000	60,000	12,000	12,000	84,000	84,000
EMERGENCY GENERATORS								
Replace existing generator at Main Building with new generator(s) to serve entire building. Therefore, no power distribution modifications for generator systems.	1	LS	\$250,000	250,000	50,000	50,000	350,000	
Bus Garage: Relocate existing Main Bldg. generator and transfer switch to Bus Garage to support diesel pumping, and also, lighting, boilers and computers.	1	LS	\$35,000	35,000	7,000	7,000	49,000	399,000
TOTALS				3,542,500	708,500	708,500	4,959,500	
Escalation to 2018 construction (6%)							297,570	
							5,257,070	6%



SYNTHESIS

Hoosick Falls CSD
Proposed Capital Project Scope Review

June 9, 2017

Item Description	Quantity	Units	Cost/Unit	Cost	Conting. (20%)	Provisional (20%)	TOTAL	Item Total
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ENERGY/HVAC IMPROVEMENTS

HVAC SYSTEM UPGRADES								
Replacement of UVs and associated cabinetry, Bldg-wide.	1	LS	\$2,026,500	2,026,500	405,300	405,300	2,837,100	
Abate floor tile: as req'd. to remove UVs and assoc. cabinetry	100	room	\$2,500	250,000	50,000	50,000	350,000	
Temperature control system, Bldg-wide.	208,000	sf	\$3,00	624,000	124,800	124,800	873,600	
Ventilation upgrades, Bldg-wide.	208,000	sf	\$4,00	832,000	166,400	166,400	1,164,800	
Replace (2) boilers and assoc. piping, flues, insulation	1	LS	\$600,000	600,000	120,000	120,000	840,000	
Abate boiler room: breaching, HW tanks, fittings	1	LS	\$55,000	55,000	11,000	11,000	77,000	
Install summer domestic water heater	1	LS	\$35,000	35,000	7,000	7,000	49,000	
Elementary School Main Office new RTU	1	LS	\$30,000	30,000	6,000	6,000	42,000	
High School Gym new AHUs	2	ea	\$30,000	60,000	12,000	12,000	84,000	
High School Auditorium HVAC ductwork modifications	1	LS	\$100,000	100,000	20,000	20,000	140,000	
High School West Wing summer school HVAC: Library/Science Labs and 3 Classrooms air conditioning	1	LS	\$185,000	185,000	37,000	37,000	259,000	
High School locker room heating & ventilation replacement	2	ea	\$60,000	120,000	24,000	24,000	168,000	
District Offices: repout ductwork at entrance to offices	1	LS	\$10,000	10,000	2,000	2,000	14,000	
Miscellaneous rainsulation	1	allowance	\$50,000	50,000	10,000	10,000	70,000	
Water and air balancing	208,000	sf	\$0.25	52,000	10,400	10,400	72,800	
HVAC commissioning	1	LS	\$80,000	80,000	16,000	16,000	112,000	7,321,300
TOTALS				5,229,500	1,045,900	1,045,900	7,321,300	6%
Escalation to 2018 construction (6%)								
							439,278	
							7,760,578	

BUILDING-WIDE TECHNOLOGY

TECHNOLOGY / COMMUNICATION SYSTEM UPGRADES								
District-wide Phone System (utilize existing data cabling)	1	LS	\$263,500	263,500	52,700	52,700	368,900	
District-wide PA/Clocks/Bells (requires new data cabling)	1	LS	\$150,000	150,000	30,000	30,000	210,000	
Data cabling to support PA System	1	LS	\$90,000	90,000	18,000	18,000	126,000	
Technology Infrastructure								
-District-wide LAN Infrastructure & Wireless (including cabling)	1	LS	\$765,500	765,500	153,100	153,100	1,071,700	
-Computer & Storage (UCCS Servers and Storage/Backup)	1	LS	\$45,000	45,000	4,500	4,500	49,500	
-Technology raceway and power infrastructure.	1	LS	\$15,000	15,000	3,000	3,000	21,000	
Data cabling to support technology/infrastructure	1	LS	\$500,000	500,000	100,000	100,000	700,000	
Educational Technology								
-Spark Boards (7 Rooms) Includes 1 year subscription	1	LS	\$120,000	120,000	12,000	12,000	132,000	
Data cabling to support educational technology	1	LS	\$80,000	80,000	16,000	16,000	112,000	
- Chromebooks - quantity 500	1	LS	\$150,000	150,000	15,000	15,000	165,000	
Technology commissioning	1	LS	\$50,000	50,000	10,000	10,000	70,000	3,026,100
TOTALS				2,229,000	414,300	382,800	3,026,100	6%
Escalation to 2018 construction (6%)								
							181,566	
							3,207,666	



Item Description	Quantity	Units	Cost/Unit	Cost	Conting. (20%)	Incidental (20%)	TOTAL	Item Total
BUILDING RENOVATIONS								
EDUCATIONAL PROGRAM- ALTERATIONS TO SUPPORT SCIENCE								
Rooms 220, 222 and 224: HS Biology and Physics Alterations	3,365	sf	\$100	336,500	67,300	67,300	471,100	
Rooms 208, 210 and 212: HS Earth Science and Physical Sciences	2,510	sf	\$100	251,000	50,200	50,200	351,400	
Renovate First Floor Storage for Chemistry Lab	1,650	sf	\$100	165,000	33,000	33,000	231,000	
Rooms 215, 217 and 218: MS Science Alterations	3,240	sf	\$100	324,000	64,800	64,800	453,600	
Room 201: Elementary Science Lab Alterations	805	sf	\$125	100,625	20,125	20,125	140,875	1,647,975
ALTERATIONS TO EXPAND PROGRAM								
Excavate crawl space and build out multi-purpose rooms	2,815	sf	\$135	380,025	76,005	76,005	532,035	532,035
TOILET ROOM UPGRADES (INCLUDES SKYLIGHTS)								
20A - Boys	250	sf	\$300	75,000	15,000	15,000	105,000	
30A - Girls	250	sf	\$300	75,000	15,000	15,000	105,000	
HS Lobby - Mens	240	sf	\$300	72,000	14,400	14,400	100,800	
HS Lobby - Womens	240	sf	\$300	72,000	14,400	14,400	100,800	
105A - Mens	250	sf	\$300	75,000	15,000	15,000	105,000	
105B - Womens	250	sf	\$300	75,000	15,000	15,000	105,000	
123A - Mens	260	sf	\$300	78,000	15,600	15,600	109,200	
123B - Womens	260	sf	\$300	78,000	15,600	15,600	109,200	
201A - Boys	250	sf	\$300	75,000	15,000	15,000	105,000	
201B - Girls	250	sf	\$300	75,000	15,000	15,000	105,000	1,050,000
BUILDING ENVELOPE								
Replace Middle School curtain wall not addressed in last project.	1,200	sf	\$60	72,000	14,400	14,400	100,800	100,800
TOTALS								
Escalation to 2018 construction (6%)				2,379,150	475,830	475,830	3,330,810	6%
							199,849	
							3,530,659	
GRAND TOTALS								
Escalation to 2018 construction (6%)				13,380,150	2,644,530	2,644,530	18,637,710	6%
							1,118,263	
							19,755,973	
							-1,089,000	
							18,666,973	

Technology Footnotes:
 Item highlighted with yellow in the margin is eligible for either SSBA or Building Aid as part of a capital project, but can only receive one or the other.
 Item highlighted with red in the margin is SSBA eligible, but is not eligible to receive Building Aid as part of a capital project.
 Spark Boards require subscription renewal beyond year one. Renewal is not eligible for SSBA or capital project Building Aid. This ongoing expense is estimated:
 - Option A: Estimated 1 year renewal for 7 boards \$16,800
 - Option B: Estimated 3 year renewal for 7 boards \$42,588

Energy Savings
 Estimated savings resulting from capital improvements:
 1. Estimated savings for replacing leased utility company lighting poles and lighting fixtures: \$4,400
 2. Estimated savings for improved temperature control and boiler efficiency: \$20,000
 3. Estimated electrical savings from interior lighting replacement and its improved control: \$15,000
 4. Estimated increase in energy costs due to improved ventilation (\$7,500)
 Subtotal estimated annual energy savings \$31,900