

BARTLETT YANCEY HIGH SCHOOL FACILITIES STUDY

Summary of Probable Construction Costs - March 2018

A. New Administration, Classroom and Science Lab Addition

Description	Quantity	Unit	Unit Cost	Total Cost
• Demolition Hall 1, 2 and 3 (Inc. Asbestos Removal)		Lump Sum		\$250,000
• New Two (2) Story Building	118,561	SF	200	\$23,712,200
○ Staff Parking and Parent Drop Off				
○ Improve Road from Vocational Building to New Addition				
○ Digital Marquee				
• Enclosed Corridors	6,194	SF	125	\$774,250
○ Existing Dining to New Building				
○ New Building to Vocational				
○ Vocational to Vocational Addition				
○ Vocational Addition to East Wing				
• Canopies	5,600	SF	50	\$280,000
○ Bus Parking to New Gym				
○ East Wing to Civic Center				
• Temporary Used Mobile Units for Construction Phasing (12 month lease)		Lump Sum		\$802,720
○ 2 – 12 classroom modular units and 1 – 8 classroom modular unit				
		Total Construction Costs		\$25,819,170
• Related Project Costs				\$3,872,875
○ Construction Contingency				
○ A/E Fees				
○ Geotechnical, Construction Testing and Special Inspections				
○ Surveying				
○ Utilities (Electrical Service, Water, Sewer)				
		Total Project Costs Part A		\$29,692,045

B. Renovations and Site Improvements

Description	Quantity	Unit	Unit Cost	Total Cost
• Existing Kitchen/Dining Area	8,172	SF	125	\$1,021,500
○ Art, HE, Dance, Health Classrooms				
○ General Storage, Book Storage, etc.				
• Alternative Education		Lump Sum		\$190,000
○ Classroom/Toilet Addition				
• Athletic Facilities				
○ Concessions, Restrooms, Locker Rooms	7,000	SF	175	\$1,225,000
○ Home Bleachers and Press Box (See Note 1 Below)		Lump Sum		\$320,000
○ 8 Lane Track (See Note 1 Below)		Lump Sum		\$250,000
- Paving, Surface and Lane Markings				
○ Relocate Softball Field		Lump Sum		\$50,000
• Miscellaneous				
○ Chain Link Fencing and Gates	3,500	LF	24	\$84,000
○ Decorative Fencing and Gates	500	LF	40	\$20,000
○ Drive Gate	1	EA	5,000	\$5,000
○ Dumpster Pad		Lump Sum		\$2,500
○ Paved Walkway to PCC	266	SY	35	\$9,310
		Total Construction Costs		\$3,177,310
• Related Project Costs				\$913,585
○ Construction Contingency				
○ A/E Fees (Includes A/E Fees for Part C Alternates)				
		Total Project Costs Part B		\$4,090,895
		Total Project Costs Parts A and B		\$33,782,940

- Civic Center
 - Replace: bleacher type seats, roof, acoustical tile ceilings, light fixtures, windows, HVAC equipment and controls
 - Band Room: clean/grind terrazzo floor, add acoustical wall and ceiling panels, add instrument storage cabinets
 - FA and security improvements (access control, CCTV, intrusion detection, intercom).

3. Mechanical System Description and Estimated Costs For Renovated Facilities

- Vocational Building
 - Classrooms: approximately 7,000 SF
The existing mechanical systems consist of multiple Dx split systems with hot water heating coils. These systems shall be replaced with in kind equipment. New controls shall be added to this facility. Estimated Cost \$15/SF.
 - Shops: approximately 10,035 SF
The existing mechanical systems consist of hot water fan coils and cabinet heaters to provide heating only to this area. This area is currently not cooled. There are some ductless mini splits being utilized to condition office spaces within the shop area. These systems shall be replaced with in kind equipment. New controls shall be added to this facility. Estimated Cost \$10/SF.
- Vocational Addition: 7,728 SF
The existing mechanical systems consist of multiple Dx split systems heat pumps, gas heaters and ductless mini-split system. These systems are newer and are not to be replaced at this time. New controls shall be added to this facility. Estimated Cost \$10/SF
- East Wing: 21,620 SF
The existing mechanical systems consist of multiple constant volume Dx packaged roof top units with hot water heating coils and multiple Dx split systems with hot water heating coils. These systems shall be replaced with in kind equipment. There is also an existing cast iron boiler and pumps that serve this building along with the vocational building. These boilers shall replace with high efficiency condensing type boilers and the pumps shall be replaced with in kind equipment. Zoning shall be reviewed at time of design, we anticipate this to require two more roof top units to be added. New controls shall be added to this facility. Estimated Cost \$25/SF.
- Civic Center: 21,770 SF
The existing mechanical systems consist of multiple constant volume Dx packaged roof top heat pump units with electric heat and two constant volume modular indoor air handling units with remote Dx condensers and electric heat. These systems shall be replaced with in kind equipment. New controls shall be added to this facility. Estimated Cost \$20/SF
- Old Gym/Locker: 11,370 SF
The existing mechanical systems consist of Hot Water Cabinet Unit Heaters. This area is currently not cooled. The boiler serving this building is located in Hall 1 which is being demolished. New constant volume Dx packaged ground mounted heat pump units with electric heat shall be added to heat and cool the gym. New constant volume DX split systems units with electric heat shall be added to heat and cool the weight training and lobby areas and two modular indoor air handling units with remote condensers and electric heat. New controls shall be added to this facility. Estimated Cost \$22/SF
- Kitchen/Dining: 8,172 SF
The existing mechanical systems consist of two ground mounted Dx packaged units with gas heat. A new variable volume Dx packaged ground mounted heat pump units shall be added to heat and cool the renovated spaces. New variable volume terminal boxes with electric reheat shall be utilized for zoning of the renovated spaces. This building is getting completely renovated and all new ductwork will be required. New controls shall be added to this facility. Estimated Cost \$30/SF
- Page Gym: 23,954 SF
The existing mechanical systems consist of two constant volume modular indoor air handling units with remote Dx condensers and hot water heating coils to provide the heating and cooling to the gym. The surrounding support spaces are only heated by cabinet unit heaters and fan coil units with hot water. These systems shall be replaced with in kind equipment. A new constant volume Dx packaged ground mounted unit with hot water coils shall be added to heat and cool the new lobby addition. New controls shall be added to this facility. Estimated Cost \$25/SF.