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Brookhaven College Automotive Technology Expansion, DCCCD

Scope of Work and Cost Estimate (9/24/07)

Attached is the 50% construction documents cost estimate for the project. The cost estimate is broken-out into Site, Renovation and New Construction and incorporates the Value Engineering (VE) items agreed upon at the August 23, 2007 project meeting. The following is an outline of the current scope of work with VE items:

	SITE WORK AT 50% CONSTRUCTION DOCUMENTS	VALUE ENGINEERING	VE – COST SAVINGS
1	New paving for additional outdoor vehicle storage area	None	
2	Site Utilities, grading and drainage	None	
3	New masonry fence to screen outdoor vehicle storage area. Note the site cost estimate indicates that the cost for this new fence is approximately \$120,000	None	
4	Two Motorized gates	Deleted from scope	\$30,000
	EXISTING BLDG. RENOVATION AT 50% CONSTRUCTION DOCUMENTS		
1	Existing roll-down doors and infill with brick veneer and new 8' wide double doors.	None	
2	Four new convertible classrooms	None	
3	4" concrete topping to level the exiting floor slab and convertible classrooms. This will also resolve issue of rain water infiltration along the exterior walls. The cost for this work is \$29,664.	None. Note: Brookhaven Automotive Department will provide the funds to cover the cost.	
4	New room finishes (wall, floor, ceiling) at convertible classrooms	None	
5	New HVAC, Electrical Power, Lighting and Plumbing at 4 convertible classrooms	None	
6	Standard exhaust system with Alternative Fuel requirements	Delete the Alternative Fuel Requirements	\$10,000
7	Existing core area, with new HVAC duct work, electrical power, lighting, finishes (walls, floors, ceilings), New administrative offices, New Student Lobby/Break Room, Teacher work room, IDF room, Student Storage Room, Component Storage Engines Room, Mechanical Room,	Use existing space layout as much as possible. Use existing HVAC, electrical power and lighting, Administrative office remain in existing location (remove storage room in between	\$40,000



	Expanded existing Women's Restroom, Meeting Room	offices), Use existing floor finish except at Teacher work room, Offices and Classroom. Use existing Ceilings. Delete Component Storage Engines Room. Delete Student Lobby/Break Room (Use existing)	
8	New electrical outlets in the existing shop area	Reduce electrical outlets in the existing shop area by 10%	\$14,000
9	New power for lifts at existing shop area.	Re-use existing power for lifts	\$3,000
10	Three specialty group of electrical outlets in the shop area.	Delete one of the 3 specialty group of outlets in the shop area	\$15,000
11	Enclose Dyno equipment for noise reduction	Dyno equipment will not be enclosed	\$5,000
	NEW CONSTRUCTION AT 50% SCOPE OF WORK		
1	New 10,080 s.f. of additional shop area, tool room and mechanical room.	None	
2	New electrical outlets in the new shop area.	Reduce electrical outlets in the new shop area by 10%	\$6,000
3	Rail system for the vehicle emission control in the shop area.	Use hose reel system in lieu of a rail system.	\$30,000
4	Specialty electrical outlet in the Tool Storage Room.	Delete specialty electrical outlet in the Tool Storage Room	\$1,000
5	Computer data outlet per design guidelines and technology equipment.	Reduce computer data outlets by 50%. The technology equipment shall be provided by others	\$42,000
	TOTAL VALUE ENGINEERING COST		\$196,000

Estimated construction cost vs. Budget

50% Construction Documents Estimate (Revised)	\$3,452,379
Total Value Engineering Cost	\$196,000

Revised 50% Construction Documents Estimate	\$3,256,379
Total Budget	\$3,140,500
Amount over budget	\$115,879
Amount to be contributed by Brookhaven Campus	\$115,879