

## **Brookhaven College Automotive Technology Expansion, DCCCD**

### **Scope of Work and Cost Estimate (9/13/07)**

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:

#### **A. Site Work**

1. New Paving for additional outdoor vehicle storage area.
2. Site utilities, grading and drainage.
3. New masonry fence to screen outdoor vehicle storage area. Note: the site cost estimate indicates that the cost for the new masonry fence is approximately \$120,000
4. The motorized gates were eliminated from the scope of work thus providing a savings of \$30,000.

#### **B. Existing Building Renovation**

1. New convertible classroom layout with 4" concrete topping to level the existing floor slab and resolve the problem of rain water infiltration along the exterior walls. Note: the cost for the 4" concrete topping is indicated as an allowance of \$29,664. The Brookhaven Automotive Technology Department has indicated that they will provide the funds to cover this allowance.
2. New wall, floor and ceiling finishes are provided at the 4 convertible classrooms.
3. The existing roll-down doors were eliminated and new swinging doors with brick veneer infill are provided.
4. New MEP and vehicle exhaust system is provided at 4 convertible classrooms.
5. The middle core area (includes administrative offices, classrooms, student storage, restroom, and mechanical space) would remain as is except for new wall finishes. Existing ceiling, lights and MEP will remain. The existing Women's restroom will be enlarged to accommodate 4 new toilet stalls.
6. Alternative Fuel requirements are eliminated in the convertible classrooms, the campus saves \$10,000.
7. The existing layout of the middle core area is used as much as possible, the campus saves approximately \$40,000.
8. The electrical outlets in the existing shop area are reduced by 10%, the campus saves \$14,000.
9. The campus will re-use existing power for lifts at existing shop area, the campus saves \$3,000.
10. One of the specialty group of electrical outlets in the shop area has been eliminated, the campus saves \$20,000.

### C. New Construction

1. New 10,080 s.f. of additional shop area, tool room and mechanical room.
2. The electrical outlets in the new shop area have been reduced by 10%, the campus saves \$6,000.
3. A hose reel system in lieu of a rail system for the vehicle emission control in the shop area is being used, the campus saves \$30,000.
4. The specialty electrical outlet in the Tool Storage area has been eliminated, the campus saves \$1,000.
5. The computer data outlet requirement was reduced by 50%. The equipment related to technology will be provided by others. The campus saves \$42,000

Note: the total VE amount is \$196,000.

### **Estimated construction cost vs. Budget**

Total estimated construction cost per attached cost estimate (including VE items) (This amount is \$116, 340 over budget)	\$3,316,840
Total amount to be funded by Brookhaven Campus	\$116,340
Total Budget	\$3,200,500