Project No. 1794
State Center Community College District – Facilities Master Plan
Fresno Community College Meeting – Automotive/Applied Tech Task Force #2A Minutes

March 21, 2018 1:00 pm – 2:00 pm
Next Meeting: TBD

AGENDA SUMMARY

1. **CURRENT FACILITIES MASTER PLAN**
    a. Relocation of Applied Tech
    b. CTC Move to West Fresno
    c. Current Automotive Space in District
    d. Additional Automotive Space Needs

GENERAL MEETING NOTES

1. Security is a concern that should be addressed for all programs.
2. The welding program and its resources supports multiple programs and has the largest student enrollment.
3. Any new or modernize space should include smaller classrooms for instructions and demonstrations alongside shop spaces.
4. It was requested that classrooms and shops spaces also have Audio, Visual, and Recording capabilities.
5. Access and space to Desktops and laptops was requested for instruction purposes but also Car Programing. Consistent and reliable internet connection is a priority when programming cars.
6. Additional storage space for all shops was requested. All programs are working with large items and need the appropriate amount of storage.
7. Indoor Paint Booths were requested; ideally 2-3 per shop.
8. See the attached document for requested concept floor plan.

ITEMS OF PRIORITY

- **ITEMS PREVIOUSLY DISCUSSED**
    a. FCC is planning on pursuing Heavy and Medium truck programs that needs a large amount of space.
    b. T-100 and T-300 are spaces that are highly impacted. They could be grow beyond their current capacity and the demand is present.
    c. T-600 will move.
    d. ***Potential Facility Needs:***

i. 60k-100k was the square footage discussed for the growth of the automotive programs.
ii. More outdoor space is needed for educational programs.
iii. New programs should also be considered in the growth of the campus.

- **CURRENT 2025 MASTER PLAN**
  a. Currently supply delivery trucks have issues delivering in the adjacent parking aisle in between T-600.

- **AUTOMOTIVE PROGRAM**
  a. The Automotive Program currently offers courses in Automotive Technology, Hybrid Vehicles, Medium/Heavy Trucks, Collusion Repair, iCar, etc. which all require a lot of space.
     i. Specifically, Collusion repairs needs a lot of space for welding of the structures of cars.
     ii. An Autonomous Car program could potential be added.
  b. Security is a large concern because the Cars are borrowed for teaching purposes from GM Motors and they are not responsible for damages and theft.
     i. A large part of the curriculum is to take apart the cars and put them back together which takes time and space to leave parts idle. Security for those parts needs to be addressed and take priority moving forward.
  c. ***Potential Facility Needs:***
     i. A space with 12-14 doors/workstations, Tall ceilings and insulated doors is the minimum requested.
     ii. It was proposed that ideally a multilevel structure with automotive on the top floor would satisfy the programs requests and security concerns.
     iii. Access to charging stations specifically for the automotive program's hybrid vehicles would be ideal.

- **WELDING PROGRAM**
  a. The Welding program along with its resources supports other programs and classes in the Applied Technology/Automotive/Manufacturing School.
  b. The welding program is at full capacity, currently offering classes from 8:00 am to 10:00pm 6 days a week.
  c. ***Potential Facility Needs:***
     i. It is projected that this program could double its self in the future but needs the space to facilitate that growth.
     ii. Because this program is a giant resource to the other programs it needs be close in proximity to the others, or smaller satellite spaces should be made for the specific welding needs of other programs.
     iii. Aluminum/Mig Welding need to have a separate space from Steel Welding because of the different requirements and conditions needed.

- **HVAC PROGRAM**
  a. Cooper theft is something this program has dealt with and security should be prioritized.
  b. ***Potential Facility Needs:***
     i. The electrical infrastructure should be updated to support the current needs.

ii. It was requested that more indoor and outdoor space be added.
iii. It was requested that proper ventilation and a way to reject the heat that is produced in this shop be addressed.
iv. If possible, they would like to recreate the conditions the student will face in the field, i.e. temperature, working space/conditions. A custom simulation lab might fulfill this request.

- **ELECTRICAL SYSTEMS TECHNOLOGY PROGRAM**
    a. Advanced robotics is programs they are offering and need space to house.
    b. Additional indoor and outdoor space was also requested.

- **COUNSELORS**
    a. To obtain an A.S. degree, General Education needs to be taken, therefore it was requested that student tutoring or study spaces be added to any new or modernized facility.

TABLED DISCUSSION

1. NONE