Measure Q Update
Agenda

1. PROCESS REVIEW – BIOTECH/AUTOTECH
2. FAIRFIELD SCIENCE BLDG. UPDATE
3. SUMMER/FALL PLANNING ACTIVITY
4. SUMMER/FALL CONSTRUCTION & CLOSE OUT ACTIVITY
Process Review
Biotech and Autotech
Design-Build Selection Process

- **Design-Build Selection Process – Biotech**
  - May 27 – Received and reviewed three DBE proposals
  - June 4 – Follow up meetings with DBEs
  - June 17 Board mtg. – Request to negotiate with best value DBE
  - July 15 Board mtg. – Approve DBE contract

- **Design-Build Selection Process – Autotech**
  - June 10 – Interview six vendors for short list participants
  - June 24 & 25 – First set of vendor meetings
  - July 7 – Second set of vendor meetings
  - August 13 – Proposals due
Vacaville Master Plan – Biotechnology Project Location and Crosswalk

New Building will connect to existing

New signalized crosswalk
WEST AERIAL - from Existing Parking Lot
CONCEPTUAL MASSING STUDIES

(N) BIOTECHNOLOGY & SCIENCE BUILDING - Vacaville Center

NW AERIAL-DNA Double Helix Entry Plaza & Arbor
NORTHWEST PERSON-EYE VIEW - Entry Plaza & Arbor
Exterior Rendering (front door)
Interior Rendering (front lobby)
Interior Rendering (classroom bays)
Fairfield Science Building Update

Programming Information & Start of Schematic Design Phase
SCIENCE BUILDING CRITICAL SUCCESS FACTORS

PURPOSE:
Serve as primary guidelines to effective decision-making and project design focus throughout the project by the entire Project Core Team.

• Project user group input:
  • Sustainability: both building & operations
  • Student Study Space “Bird room”
  • Science Activity Center - tutoring for science learning
  • Durable/built to last
  • Work stations/offices for instructors and techs; classrooms proximity to science storage
  • Good storage that is flexible in size; faculty gathering area
  • Consolidated location for veteran students
  • Technology infrastructure for future
  • Community outreach opportunity – spaces & rooms
**SCIENCE BUILDING CRITICAL SUCCESS FACTORS**

- **Budget and Schedule:**
  Maximize program and design opportunities while meeting the available budget and schedule for the project.

- **Safety:**
  A safe teaching environment for faculty, staff, students and visitors is highly desired. Included in this factor is the desire to have well-ventilated lab spaces.

- **Attract Students /Program of Choice:**
  A facility that supports the Science program being the program of choice. A place where students gather for instruction, support and social activities.

- **Representative of All Science Programs:**
  Recognized as the location for scientific learning on campus

- **Functional, Flexible and Efficient Facility:**
  Form follows function; provides ease of service and operation; appropriately sized prep spaces.
Key Components of Effective Modular Lab Planning:

- Planning module based upon lab safety
- Provide flexibility for future changes
- Combined to address space needs from large to small needs
- Cost effective layout & building organization
- Practical approach to define scope and area limits
DESIGN FROM LABORATORY OUT
DESIGN FROM LABORATORY OUT

SPACE DIAGRAM
LIONAKIS / IBD

DEPARTMENT: BIOLOGY
SPACE NAME: CADAVER ROOM (WET LAB) + ANATOMY PREP & STORAGE

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.

FURNISHINGS
- ALL STAINLESS STEEL CASework & BENCHTOPS

01. Chemical Fume Hood with Cup Sink
02. Biological Safety Cabinet
03. Backdraft Exhaust
04. Laminar Flow Hood
05. Snorkel Exhaust
06. Laboratory Bench, Standing Height
07. Laboratory Bench, Sitting Height
08. Wall Cabinet
09. Adjustable Wall Shelves
10. Island Bench Shelves
11. Tall Storage Cabinet
12. Flammable Cabinet
13. Corrosive Cabinet
14. Laboratory Sink
15. Tallboard
16. Downstand Dissection Table
17. Cylinder Rack
18. Scullery Sink
19. Safety Shower/Eyewash
20. Overhead Service Center
21. Pipe Drop Enclosure
22. Movable Demonstration Bench
23. Glassware Washer/Dryer
24. Canopy Hood
25. Autoclave, Benchtop (OD)
26. Movable Laboratory Tables
27. Wire Shoting Unit
28. White Markerboard
29. Industrial Shelves Unit
30. Exam Light
31. Chemical Storage Cabinet
32. Tallboard
33. Skeleton Cabinet
34. AV Screen
35. Multi-media Projector (Ceiling Mount)
36. Ventilated Storage Cabinet
37. Coat/Book Bag Storage
USER PREFERRED BUBBLE DIAGRAM

OPTION 'W' modified
BUBBLE DIAGRAM AS FLOOR PLAN

GSF: 10964 + 19442 = 30436sf
COVERED EXT: 4721sf
APPROX SITE: 58,700sf
3d MODEL DIAGRAM
SCIENCE BUILDING CONCEPTS
Summer-Fall Planning Activity

- **Planning Activity**
  - VV Biotech CEQA activity – complete
  - VJO CEQA activity – public comment period starts mid-June
  - Accreditation items – VV and VJO
  - FF Library – Funding strategy for July 1, 2017 start of design
  - FF Athletics Master Plan – Kick off meeting on June 22
Construction and Close Out Activity

- FF ESCO phase 2 – Mechanical improvements
- FF B-600 – Punch List
- FF Solar Projects – Close out
- FF Portables near B-1100