



## Meeting of the Board of Trustees

August 13, 2020

4:00 p.m. (Open Session); 5:30 p.m. (Closed Session)

**LOCATION:** Zoom

Conference: <https://cccconfer.zoom.us/j/549366869>

Dial: (669) 900-6833 or (346) 248-7799 - **Meeting ID: 549 366 869**

**ADDENDUM**

---

**Agenda Page:** 19

**Agenda Item:** IV.B SBVC Technical Building Update

**Description:** Amended to include revised slides

---

# SBVC Career Pathways I – Technical Building Project Update August 2020



# SBVC Career Pathways I – Technical Building Project Update August 2020

- Vision: A catalyst in the Inland Empire, this state-of-the-art facility will be a focal point-of-destination that will support the changing needs of our community, industry, evolving technology and future jobs; preparing students for jobs now and jobs of the future.
- Scope: Construction of a New Technical Building and Demolition of the Existing Technical Building.
- Programs to be relocated to the new building include:

General Automotive	Hybrid/EV Automotive	Electrical and Electronics
Auto Body & Collision	PV Solar Technology	HVAC & Refrigeration
Street Rod	Machining & CAD/CAM	Water Technology
Heavy Truck		

# SBVC Career Pathways I – Technical Building

## Project Update August 2020

### Building Features

- Energy & Sustainability
- Integration with Campus
- Multi-Use Showroom, Lobby, Event Gathering Space
- Flex Space
- Sticky Space
- Faculty-Staff Space
- Industry Space
- Place of Welcome and Inclusion

# SBVC Career Pathways I – Technical Building Project Update August 2020 Schedule

Project Phase	Start	Finish	2019	2020	2021	2022	2023	2024
			Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4
Project Start	09/04/19	09/04/19	█					
A&E Contract Award	09/12/19	09/12/19	█					
Design Complete	09/23/19	09/01/20	█	█				
DSA Approval Acquired	09/01/20	04/23/21		█	█			
Costruction Contract Award	07/08/21	07/08/21			█			
Construction NTP	07/12/21	07/12/21			█			
Construction	07/21/21	09/08/23			█	█	█	
Substantial Completion	10/20/23	10/20/23					█	
Project Complete	12/21/23	12/21/23					█	

- Board Approval: 09/12/2019, Design Contract Awarded 9/13/2019
- Project Currently Tracking On Schedule
  - Upcoming Milestones:
    - Design Submission to DSA: 08/28/2020
    - Start of Construction: 08/15/2021
    - Project Completion: 8/30/2023

# SBVC Career Pathways I – Technical Building

## Project Update August 2020

### Budget

- Project Currently Tracking on Budget
    - Architecture & Engineering: \$5.8M
    - Specialty Consultants, Permits, and Plan Checks: \$3.2M
    - Project & Construction Management: \$4.3M
    - Testing & Inspection: \$3.2M
    - Construction: \$61.2M
    - Furnishings & Equipment: \$4M
    - Project Contingency & Escalation: \$19.3M
- Total Approved Project Budget: \$101M**

# SBVC Career Pathways I – Technical Building Project Update August 2020



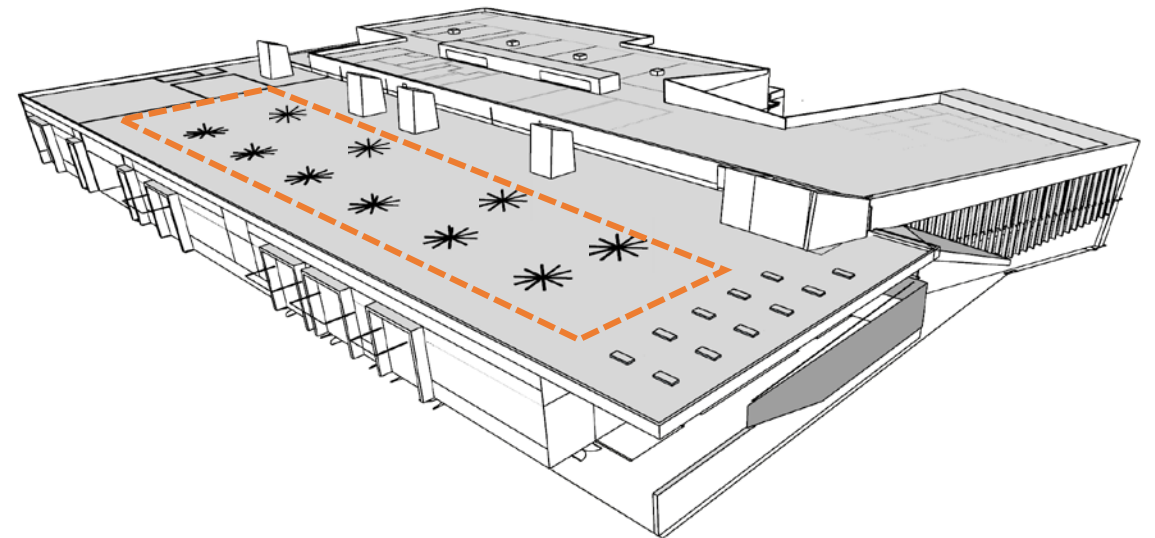
# SBVC Career Pathways I – Technical Building Project Update August 2020





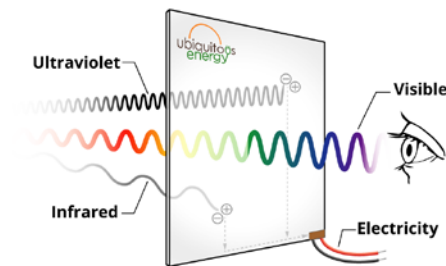


SBCCCD Won the Award for  
**Best Practice for the Sustainable Design** of the  
Tech Building at 2020 California Higher  
Education Sustainability Conference (CHESC)



# Sustainable Design Highlights

- Energy:
  - Low Energy Use Intensity of 24 kBTU/sf/year
  - Net Zero Energy Offset: On site renewable solar will offset the total EUI listed above
- Water Conservation:
  - 45% indoor water savings
  - 50% irrigation savings
- Waste:
  - 95% construction waste diversion from landfills
  - 10-20% recycled and regional building material content
- Daylighting and Views
  - 75% of occupied spaces will receive daylighting above an average of 30 footcandles
  - 75-90% of occupied spaces will have access to quality views
- Annual Savings:
  - \$25,000 annual utility savings



# Sustainable Strategies

- Solar Chimney
- Solar PV Canopy
- Solar Glass
- Solatubes
- Large Fans
- Phase Change Material
- BMS Touchscreen Interface for Students
- Heat Recovery Chiller
- Indirect/Direct Evaporative Cooler

