



# BOARD OF TRUSTEES OCTOBER 13, 2014

Measure “E”

Measure “Q”

## FACILITIES UPDATE



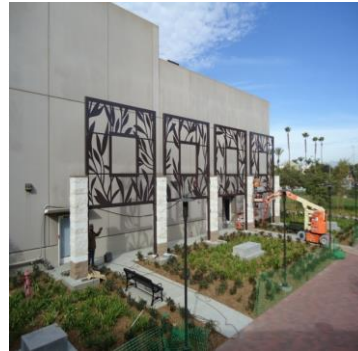


## RECENTLY COMPLETED PROJECTS

### Santa Ana College

- ▶ Perimeter Site Improvements
- ▶ Building “G” Renovation
- ▶ Artesia Street Improvements
- ▶ Property Acquisition of 17<sup>th</sup> St. and Bristol St.
- ▶ Dunlap Hall Renovation (Design)

► Perimeter Site Improvements



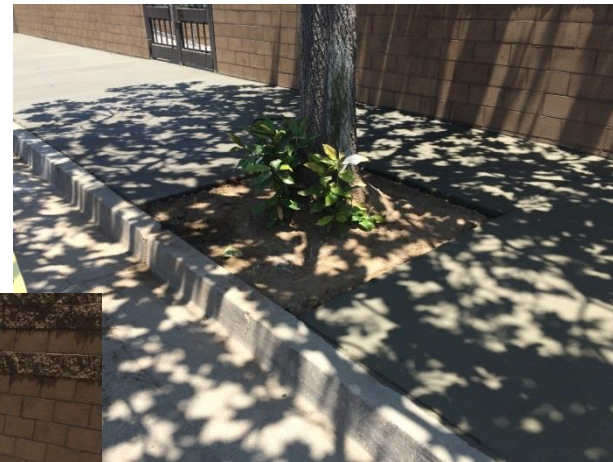
► Building “G” Renovation





# RECENTLY COMPLETED PROJECTS

► Artesia Street Improvements





## ACTIVE PROJECTS

### Santa Ana College

- ▶ Parking Lot #11 Expansion and Improvements
- ▶ Temporary Village
- ▶ Tessman Planetarium Upgrade and Restroom Addition
- ▶ Chavez Hall Renovation

### Santiago Canyon College

- ▶ Orange Education Center

### District/Districtwide

- ▶ Division of the State Architect Projects Certification



# PROJECT UPDATE SANTA ANA COLLEGE PARKING LOT #1 EXPANSION & IMPROVEMENTS

## Project Summary:

- ▶ Replace the old soccer field with a new parking lot that includes new accessible (ADA) parking and an electric car charging station.
- ▶ Installation of two new retention basins to divert storm runoff into the natural aquifer to reduce the volume of discharge water and pollutants that would otherwise run into the ocean.

## Current Status:

- ▶ Completion anticipated in November 2014.

## Budget:

- ▶ \$12.02 million (under review).





# PROJECT UPDATE SANTA ANA COLLEGE TEMPORARY VILLAGE

## Project Summary:

- ▶ Provide temporary classrooms, lecture halls, and faculty offices for the Dunlap Hall project.

## Current Status:

- ▶ Installation was completed August 2014.
- ▶ Completion anticipated in November 2014.

## Budget:

- ▶ \$ 4.54 million (under review).





# PROJECT UPDATE SANTA ANA COLLEGE TESSMAN PLANETARIUM UPGRADE & RESTROOM ADDITION

## Project Summary:

- ▶ Renovate the Tessmann Planetarium to comply with accessibility requirements and repurpose the office space for the Veterans Resource Center.
- ▶ Enhance the building exterior.
- ▶ Construct a new restroom annex and covered walkway.

## Current Status:

- ▶ Construction is underway and completion is expected at the end of January 2015. The project has been delayed due to termite damage.

## Budget:

- ▶ \$ 3.07million



TESSMANN PLANETARIUM







# PROJECT UPDATE SANTA ANA COLLEGE CHAVEZ HALL RENOVATION

## Project Summary:

- ▶ Includes an assessment to address the exterior walls, parapet and restore or replace the exterior finish.

## Current Status:

- ▶ Forensic building consultant continues draft report.
- ▶ Architect selection underway.

## Budget:

- ▶ \$241,592 (under review).



Project Summary:

- ▶ DSA Certification of Orange Education Center.
- ▶ Upgrade to meet current structural, fire, life, safety, ADA and energy codes.

Current Status:

- ▶ Architect completed programming phase.
- ▶ The District has been reviewing three design options.
- ▶ Recommendation to proceed with Option 3.
- ▶ Selection of pre-construction firm underway.

Budget:

- ▶ \$ 21 million (under review).





## DESIGN OPTIONS SUMMARY ORANGE EDUCATION CENTER RENOVATION

### Option 1 – Renovate Existing Building (85,000 s.f. – estimated project cost \$19.3 million)

- ▶ Upgrades to meet current structural, fire, life, safety, ADA and energy codes.
- ▶ No interior reconfiguration or major renovation. Patch and repair work only.
- ▶ This option will not address inefficiencies of building configuration or add any parking.
- ▶ Users will still experience same challenges.

### Option 2 – New Building (60,000 s.f. – estimated project cost \$31.5 million)

- ▶ Demolish and build new building.
- ▶ Optimum program space layout.
- ▶ Increase parking and vehicular circulation.





## RECOMMENDED DESIGN OPTION ORANGE EDUCATION CENTER RENOVATION

Option 3 – Partial Demolition of Existing Building (50,000 s.f. – estimated project cost \$21 million)

- ▶ Utilize existing building as much as possible and reconfigure spaces.
- ▶ Reduce building square footage to 50,000 s.f. and demolish portion of building.
- ▶ Relocation of some programs and services.
- ▶ Increase parking and improve vehicular circulation.







## PROJECTS

- ▶ Dunlap Hall Renovation (Construction)
- ▶ Central Plant
- ▶ New Johnson Student Center
- ▶ Science, Technology, Engineering and Mathematics (STEM) Building
- ▶ Health Sciences Building
- ▶ 17<sup>th</sup> & Bristol Surface Parking Lot



# PROJECT UPDATE SANTA ANA COLLEGE DUNLAP HALL RENOVATION

## Project Summary:

- ▶ Renovate and replace the aging guard rails around the pedestrian walkways on all levels of Dunlap Hall, as well as, providing a new elevator and stair tower.
- ▶ Remodel the existing restrooms.

## Current Status:

- ▶ Construction began in April 2014 with a target completion expected at the end of June 2015.
- ▶ Continuing demolition of guardrails, old elevator shaft and restrooms.
- ▶ Upcoming activities include remediation of footing piles, installation of pile cap, and continued installation of guardrails.

## Budget:

- ▶ \$15.27 million





# PROJECT UPDATE SANTA ANA COLLEGE CENTRAL PLANT AND INFRASTRUCTURE

## Project Summary:

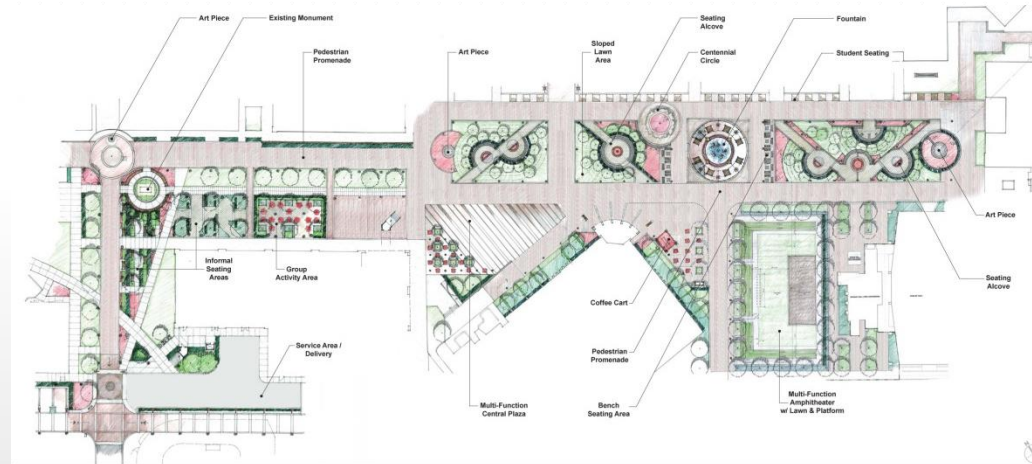
- ▶ Construction of a new Central Plant Building.
- ▶ Phase 1: utility replacement, Phase 2: central plant and Phase 3: mechanical upgrades to 8 buildings and includes a new central cooling plant, underground chilled water piping loop, upgrading existing gas, domestic water lines, sewer, drainage and fire water systems.
- ▶ Includes HVAC system conversion for 8 existing buildings to be connected to the new Central Cooling Plant, including a new campus wide energy management system (EMS).
- ▶ Includes 10 DSA plan submittals.
- ▶ The central plant building will be designed to meet LEED Silver certification.

## Current Status:

- ▶ Project is in design.
- ▶ Target construction: June 2015 – Fall 2017

## Budget:

- ▶ \$67.9 million







# PROJECT UPDATE SANTA ANA COLLEGE CENTRAL PLANT AND INFRASTRUCTURE



Santa Ana College  
Phasing Plan 10/1/14



# PROJECT UPDATE SANTA ANA COLLEGE JOHNSON STUDENT CENTER

## Project Summary:

- ▶ Construction of a new Johnson Student Center.
- ▶ The old bookstore annex and the Johnson Center Building will be demolished.

## Current Status:

- ▶ HPI Architecture was Board approved September 8, 2014.
- ▶ Campus kick-off meeting scheduled for October 20, 2014.
- ▶ Demolition activities target August 2016 (under review).

## Budget:

- ▶ \$28.49 million





# PROJECT UPDATE SANTA ANA COLLEGE STEM BUILDING

## Project Summary:

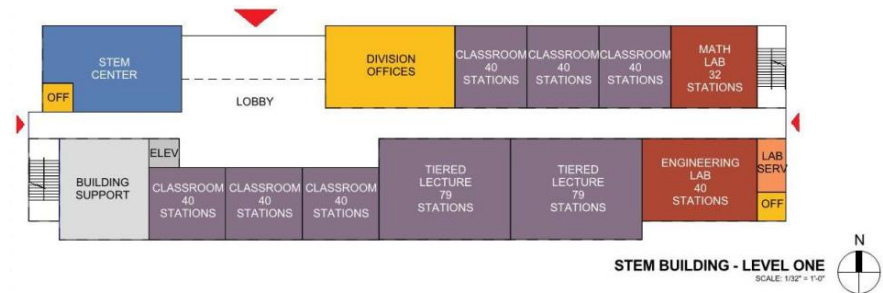
- ▶ Construction of a new 63,100 square foot science and math complex housing modern laboratories, classrooms, lecture halls, and faculty offices.

## Current Status:

- ▶ HGA Architects pending Board approval October 13, 2014.
- ▶ Pending kick-off programming with campus.
- ▶ Demolition activities target start August 2016 (under review).

## Budget:

- ▶ \$62.94 million





# PROJECT UPDATE SANTA ANA COLLEGE HEALTH SCIENCES BUILDING

## Project Summary:

- ▶ Construction of a 55,138 square foot facility to allow for the consolidation and growth of the Health Sciences Programs including Nursing, Occupational Therapy Assistant, Medical Assistant Emergency Medical Technician and Pharmacy Technology.

## Current Status:

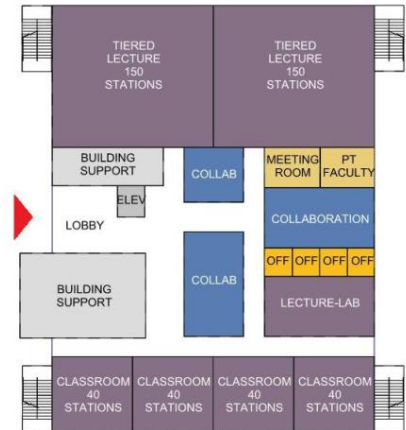
- ▶ This project has been submitted to the state for future funding.
- ▶ Programming to be included in STEM project.
- ▶ Design and construction start to be determined.

## Budget:

- ▶ \$41.25 million (under review).
- ▶ Need additional funds to start construction.



SCIENCE PLAZA



HEALTH SCIENCE BUILDING- LEVEL ONE



# PROJECT UPDATE SANTA ANA COLLEGE PARKING LOT AT 17<sup>TH</sup>/BRISTOL ST.

## Project Summary:

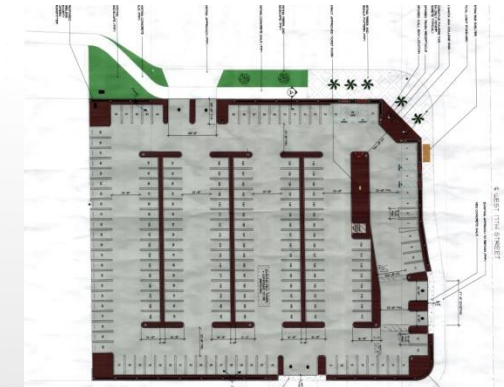
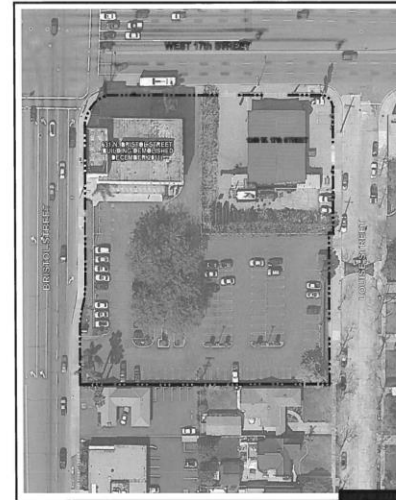
- ▶ New surface parking lot.

## Current Status:

- ▶ Design is currently underway with Donald Krotee Partnership.
- ▶ Parking lot to be utilized for contractor worker parking for Dunlap Hall renovation on an interim basis.

## Budget:

- ▶ \$1.65 million
- ▶ Acquisition of property was paid by Measure E funds.





# MASTER PROGRAM BUDGET

(BASED ON NO STATE FUNDING)

**\*\*ESTIMATED**

**TARGET**

<u>PROJECT</u>	<u>TOTAL BUDGET</u>	<u>STATUS</u>	<u>CONSTRUCTION</u>
❖ Dunlap Hall Renovation	\$15.27 M	Under Construction	April 2014 - June 2015
❖ 17 <sup>th</sup> & Bristol Parking Lot	\$ 1.65 M	In Design	To be determined (TBD)
❖ Central Plant 3 Phases	\$67.9 M	In Design	June 2015 – Fall 2017
❖ Johnson Student Center	\$28.49 M	Programming	Summer 2016 - early demo
❖ STEM Building	\$62.94 M	Programming	Summer 2016 - early demo
❖ *Health Sciences Building	\$41.25 M	Pending	TBD
<b>TOTAL</b>	<b>\$217.50M</b>		
Escalation	\$10.95 M		
<b>NEW TOTAL</b>	<b>\$228.45M</b>		

\*State Funding Eligible \$19 M

\*\*Includes construction, design and owner contingencies



# **Scheduled Maintenance and Other Projects**



# ACTIVE SCHEDULED MAINTENANCE & OTHER PROJECTS

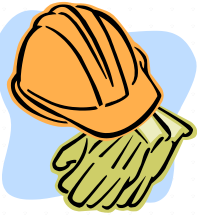
## **Santa Ana College**

- ▶ Door Hardware Upgrade
- ▶ Building H Painting, Window Replacement
- ▶ Building L Roof Repairs
- ▶ Building C, N, P, R Roof Repairs
- ▶ CEC Parking Lot Slurry and Re-striping
- ▶ Year I Prop 39 LED Lighting Replacement

## **Santiago Canyon College**

- ▶ Year I Prop 39 Science Center Building Retro-Commissioning
- ▶ D Building Interior Renovation





# COMPLETED SCHEDULED MAINTENANCE & OTHER PROJECTS

## Santa Ana College

- ▶ Building H Roof Repairs
- ▶ Football Field Reconditioning

## Santiago Canyon College

- ▶ D Building Boiler Replacement
- ▶ CDC Building Roof Replacement
- ▶ D Building Emergency Generator Repair
- ▶ D Building Chiller Actuator Repair



2015

# SCHEDULED MAINTENANCE & OTHER PROJECTS

## Santa Ana College

- ▶ Building R Exterior Painting
- ▶ Pool Discharge Rerouting
- ▶ Chavez Hall Roof Repairs
- ▶ Buildings J, R, T Plumbing Fixtures
- ▶ Buildings L, R, W Balance HVAC Systems
- ▶ Chavez Hall Window Replacement
- ▶ Building R Penthouse Floors
- ▶ Building T Exterior Painting and Handrails
- ▶ Building B, E, L Exterior Painting
- ▶ Building U Replace Skylights

State Allocation

\$1,872,322

## Santiago Canyon College

- ▶ Buildings A, B, C, D Replace Door Hardware
- ▶ Buildings A, B, C, D, E, LRC Replace Energy Management System
- ▶ CDC Replace AC Units
- ▶ Buildings C, D Repair Emergency Power System
- ▶ Replace Main Electrical Panel (serves Buildings A, B, C)

State Allocation

\$803,570



## SUMMARY PROP 39 PROJECTS

### Year One

### Total Project Budgets

▶ SCC – Science Center Building Retro-commissioning

\$ 710,339

▶ SAC – LED Lighting Upgrade

\$1,504,982

**TOTAL YEAR ONE**

**\$2,215,321**

### Year Two

▶ SCC – LED Lighting Upgrade

\$ 876,857

▶ DO – LED Lighting Upgrade

\$ 162,319

**TOTAL YEAR TWO**

**\$1,039,176**

### Prop 39 State Funding Allocations

Year One

\$1,017,539

Year Two

\$ 816,070

### Estimated Utility Rebates

Year One

\$284,960

Year Two

\$215,000



# ACTIVE (YEAR ONE) PROP 39 PROJECT

## LED LIGHTING UPGRADE

### Project Summary:

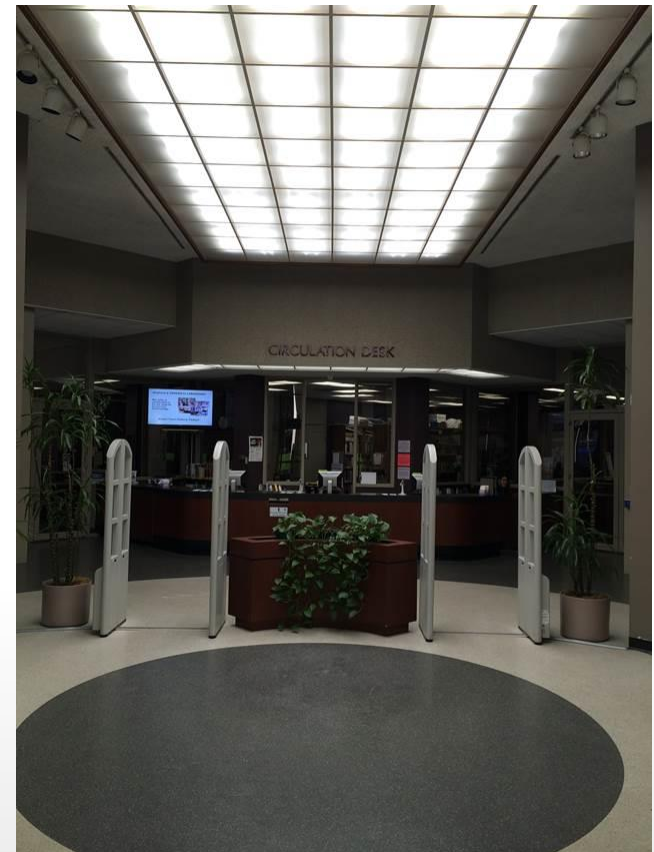
- ▶ Replace fluorescent and incandescent lights with LED retrofit kits for all applicable interior lights and replace exterior parking lights with new LED fixtures.

### Current Status:

- ▶ Ongoing installation of interior LED in all 18 buildings.
- ▶ Measurement and verification through December 2014.

### Budget:

- ▶ \$1,504,982





# ACTIVE (YEAR ONE) PROP 39 PROJECT SCIENCE CENTER BUILDING RETRO-COMMISSIONING

## Project Summary:

- ▶ Replace Energy Management System.
- ▶ Better control of air handling units & boilers.
- ▶ Integrate control systems with EMS.
- ▶ Reduce energy usage in the building.
- ▶ Variable frequency drive control for fume hoods

## Current Status:

- ▶ Current activities include: staff training and preventative maintenance report.
- ▶ Construction activities completed.
- ▶ Measurement and verification through December 2014.

## Budget:

- ▶ \$710,339





## YEAR TWO PROP 39 PROJECTS

### Project Summary:

- ▶ Replace fluorescent and incandescent lights with LED retrofit kits for all applicable interior lights and replace exterior parking lights with new LED fixtures at Santiago Canyon College and District Office.

### Current Status:

- ▶ Board approval of contractor September 22, 2014.
- ▶ Anticipated construction start December 2014.

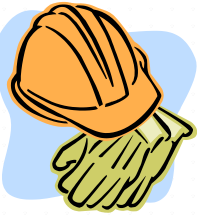
### Budget:

- ▶ \$1,039,176



**Santiago  
Canyon  
College**





# DISTRICT OFFICE PROJECTS

## **HVAC Renovations**

### Project Summary:

- ▶ Replacing AC mechanical equipment and installing a new air distribution system throughout entire building.

### Current Status:

- ▶ Testing of newly installed mechanical equipment.
- ▶ Completion of project October 1, 2014.

### Budget:

- ▶ \$1.03 M



## ► QUESTIONS

