



SAN MATEO COUNTY
COMMUNITY
COLLEGE DISTRICT

Bond Oversight Committee CIP Project Update

March 5, 2015

Cañada College Theater Lobby Facelift and Carpet Replacement

- ▶ Project Budget

- ▶ \$250,000

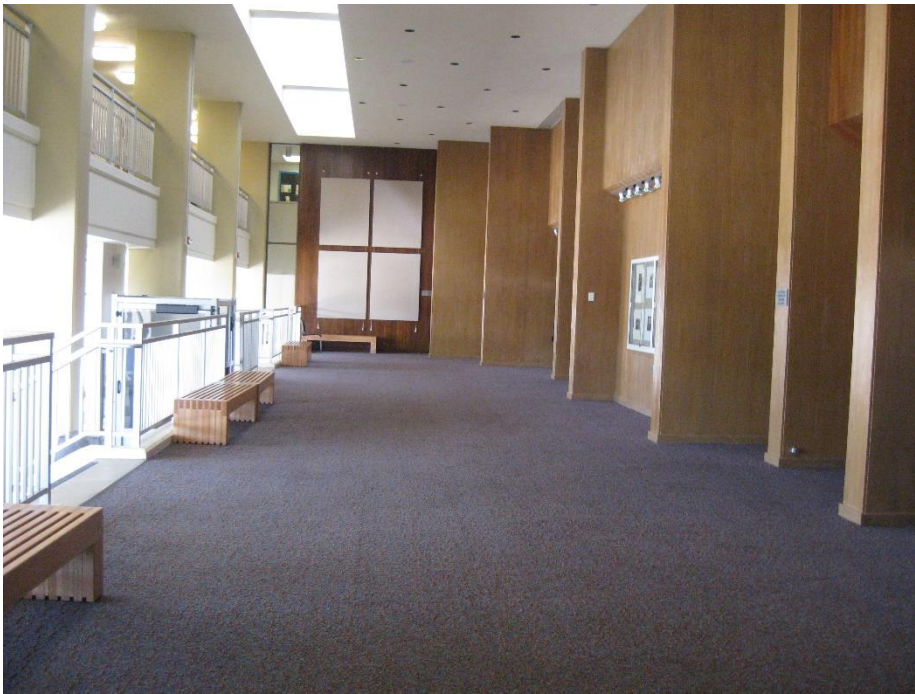
- ▶ Project Scope

- ▶ Modernization of the existing space to host events as well as become an Art Center for the College. This project was primarily a finishes upgrade (carpet, paint, art displays) but addressed some lighting concerns.

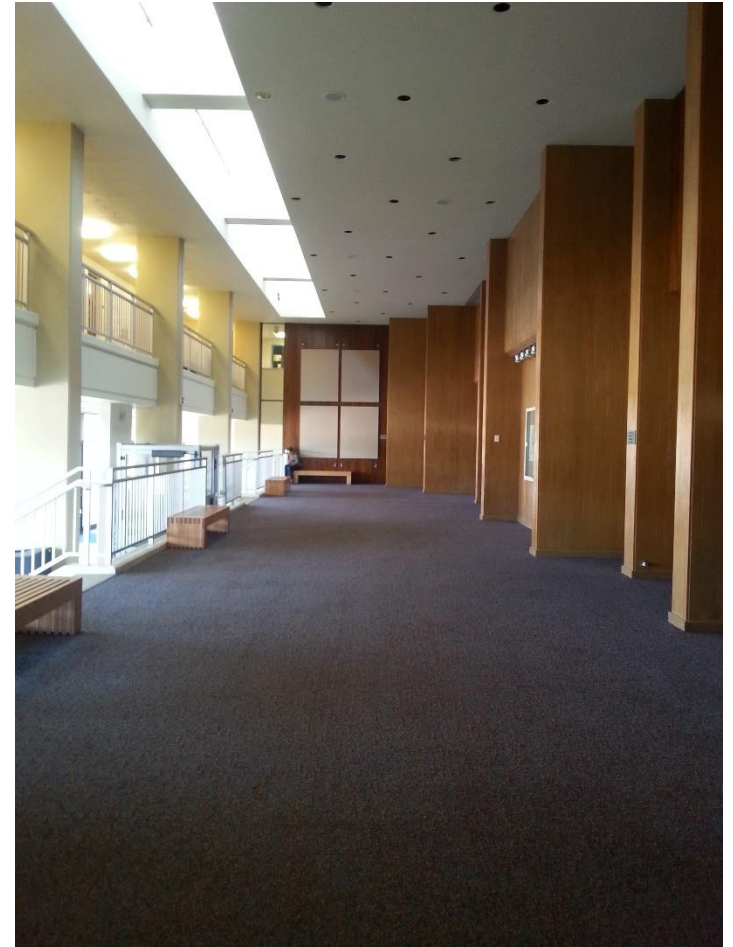
- ▶ Schedule

- ▶ Construction: Complete

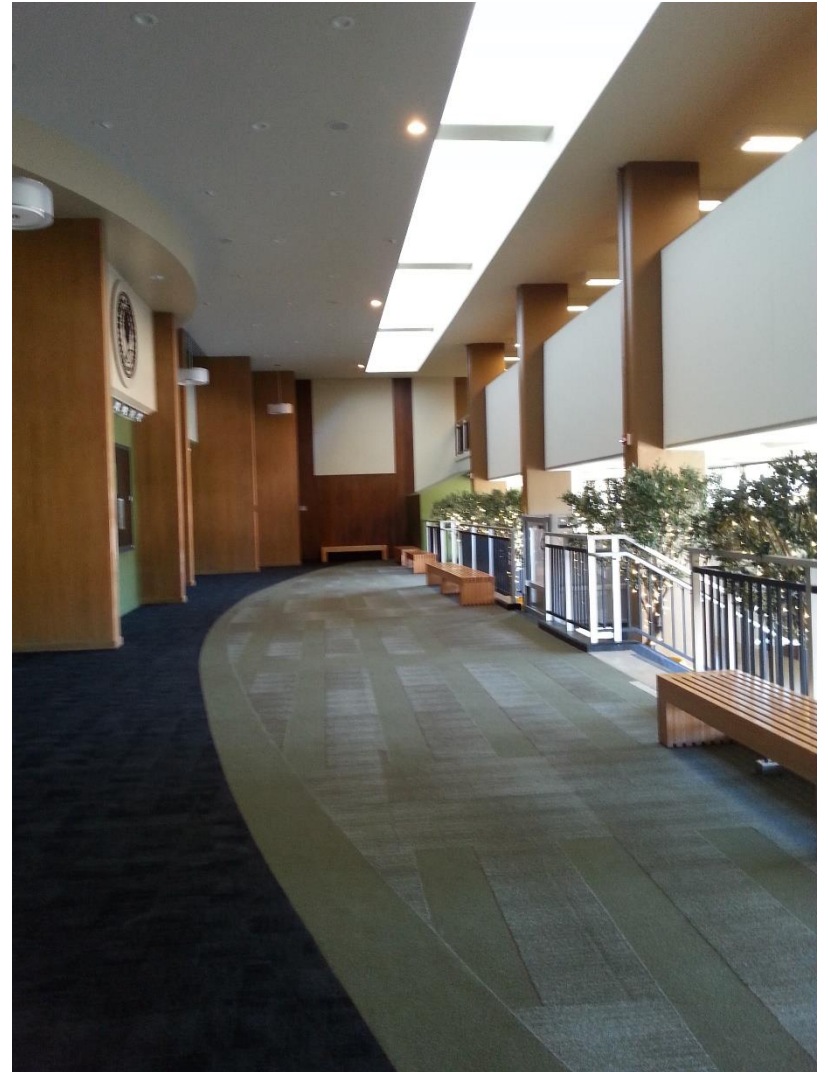
Cañada College Theater Lobby



Before



Cañada College Theater Lobby



After

Cañada College - Generator Awning

- ▶ Project Budget

- ▶ \$20,000

- ▶ Project Scope

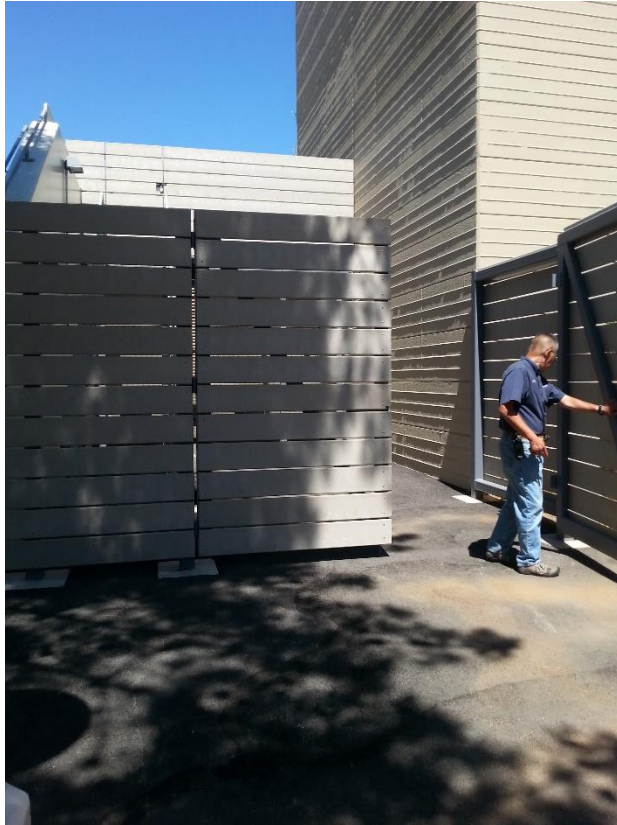
- ▶ Installation of an awning at Building 16 to house the emergency generator. The generator needed to be easily accessible in the event of a campus emergency as well as be stored so that it is protected from the elements to ensure full functionality when needed. This project supports the District Emergency Preparedness program.

- ▶ Schedule

- ▶ Complete

Cañada College - Generator Awning

Before



After

Cañada College – SparkPoint Classroom

- ▶ Project Budget

- ▶ \$18,000

- ▶ Project Scope

- ▶ Conversion of an existing classroom to a dedicated classroom for the SparkPoint program

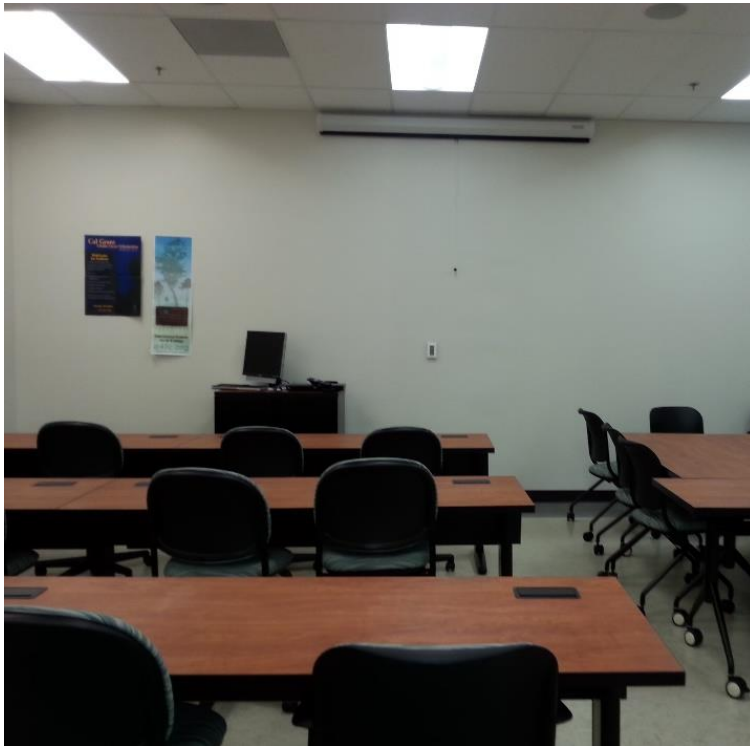
- ▶ Additional power to support a lap top charging station

- ▶ New furniture and paint in the classroom and surrounding area

- ▶ Schedule

- ▶ Complete

Cañada College – SparkPoint Classroom



Before



After

CSM B30 Plaza

- ▶ Project Budget

 - ▶ \$160,000

- ▶ Project Scope

 - ▶ The plaza between Building 30 and 30A was in need of repair with uneven surfaces that posed risk for injured players traveling to the training room (30A). This project installed pavers and new concrete, a small turf area for football players to practice during half time and an area for the trainer to conduct physical therapy.

- ▶ Schedule

 - ▶ Complete

CSM B30 Plaza

Before



CSM B30 Plaza

After



CSM B5 Office Conversion

- ▶ Project Budget
 - ▶ \$100,000
- ▶ Project Scope
 - ▶ Modernized an under utilized “lounge” area on the fitness floor into additional office space for three staff members.
 - ▶ Created a private consultation office for fitness assessment
 - ▶ Created an open stretching area for SMAC Members and provided additional benches throughout the fitness floor.
- ▶ Schedule
 - ▶ Complete

CSM B5 Office Conversion

Before



CSM B5 Office Conversion

After



CSM B1 – CIP Office Space Preparation

- ▶ Project Budget
 - ▶ \$25,000
- ▶ Project Scope
 - ▶ Set up office and support spaces for the staff that will be working on the CIP3 Bond Program.
 - ▶ Building 1 top floor was vacated in CIP2 and needed additional infrastructure to support staff.
- ▶ Schedule
 - ▶ Complete

CSM B1 – Office Space Preparation

Before



CSM B1 – Office Space Preparation

After



CSM B9 Library Carpet Replacement

- ▶ Project Budget

 - ▶ \$300,000

- ▶ Project Scope

 - ▶ The carpet in the Library had exceeded its useful life and was stained and damaged. This project replaced all of the carpet on the main floor, mezzanine and staff offices.

 - ▶ ITS infrastructure upgrade and replacement of existing lighting on the mezzanine level was completed after the old carpet was removed and prior to the new carpet being installed.

- ▶ Schedule

 - ▶ Complete

CSM B9 Library Carpet Replacement

Before



CSM B9 Library Carpet Replacement

After



SKY B6 – Fireside Lounge Signage Installation

- ▶ Project Budget

- ▶ \$3,000

- ▶ Project Scope

- ▶ Skyline Cabinet wanted to create a destination space for their existing dining room. The Fireside Lounge will now be a named location for meetings, events and student gatherings.

- ▶ This project installed signage in the dining room as well as vinyl to the glass doors.

- ▶ Schedule

- ▶ Complete

SKY B6 – Fireside Lounge Signage Installation

After



SKY B5 Library – Wireless Upgrade

- ▶ Project Budget

- ▶ \$20,000

- ▶ Project Scope

- ▶ Extend existing power and data circuits for 8 new student computers in the Library.

- ▶ Enhanced wireless capacity within the Building for students to use their personal laptops.

- ▶ Add data and power to accommodate a new full time employee.

- ▶ Schedule

- ▶ Complete

CSM North Gateway Phase II

- ▶ Project Budget
 - ▶ \$15,600,000 (\$6M Measure A and \$9.6M State Capital Outlay)
- ▶ Project Scope
 - ▶ Demolition of existing buildings #21 – 29.
 - ▶ Creation of new Gateway Plaza, renovation of existing parking lots 6 A-D.
 - ▶ New Plaza and amphitheater, pedestrian pathways, landscaping and energy efficient LED parking lot lights.
- ▶ Schedule
 - ▶ Construction: Contractor Default Termination on 8/29/14, Surety and District executed Takeover agreement on 1/28/15. Takeover Contractor is now on board and gearing up to resume construction – estimated start date is 4/1/15 with a duration of 2 months.

CSM North Gateway

- ▶ Construction Status
 - ▶ Initial demolition phase was completed
 - ▶ Construction resumed from June 2013
 - ▶ Portion of new AC parking lot pavement work performed
 - ▶ Light Poles and conduits, fixtures and cabling installations in progress
 - ▶ Concrete Placement at Amphitheater seating and 'Plaza of the Sun', sidewalks performed – corrective work needed
 - ▶ Portion of landscape areas and planting performed
 - ▶ Overlook Wall area performed
 - ▶ Project Completion date – estimated to be 6/1/15.
 - ▶ Immediate mitigation & protection work completed (SWPPP/BMPs, grading, storm drain correction etc.)
- ▶ Contract Status
 - ▶ \$5,986,889 (approx. 80 % of total contract) paid through end of June 2014
 - ▶ \$719,055 potentially available to Surety to complete project exclusive of \$289,785 retention paid into escrow

CSM North Gateway



CSM N Gateway Site – before construction

CSM North Gateway Project Design



CSM North Gateway Project – Design overview

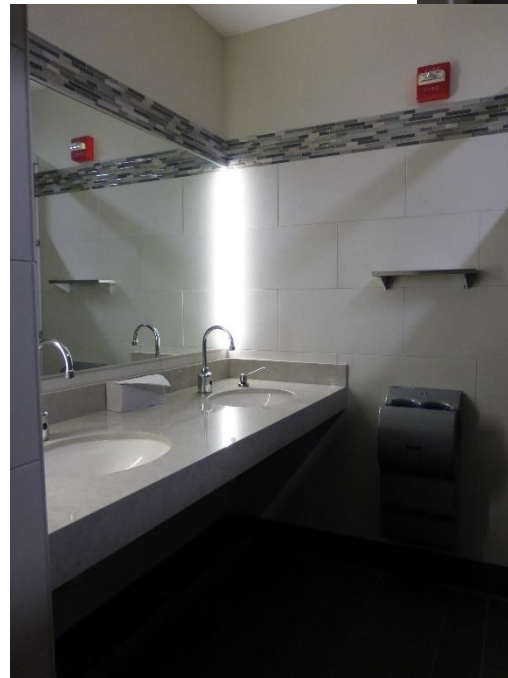
District Office Restroom Renovation

- ▶ Budget
 - ▶ \$575,000 Measure A
- ▶ Project Scope
 - ▶ Renovate (7) restrooms in the District Office.
- ▶ Schedule
 - ▶ Complete

District Office Restroom Renovation



Before



After

Cañada College and CSM Roadway and Parking Lot Fixture LED Retrofit

- ▶ Budget \$1,300,000
 - ▶ \$450,000 Measure A
 - ▶ \$850,000 Energy Efficiency Funds/ Prop 39
- ▶ Project Scope
 - ▶ Design-Build project to replace 261 pole mounted fixtures and install new lighting controls at Cañada College and CSM.
- ▶ Schedule
 - ▶ Construction Completion –
 - Current Progress is about 30% complete. Expected substantial completion: May, 2015

Cañada College Roadway and Parking Lot Fixtures



Districtwide Exterior Lighting Upgrade

- ▶ Budget
 - ▶ \$2,500,000 Energy Efficiency Funds/ Prop 39 / PG&E Incentives
- ▶ Project Scope
 - ▶ Design-Build project to upgrade 1,260+ exterior fixtures and lighting controls at all three campuses.
- ▶ Schedule
 - ▶ Request for Proposals- Due March 17, 2015
 - ▶ Estimated Construction Completion: Late 2015

Districtwide Utility Measurement & Verification Project

- ▶ Budget
 - ▶ \$2,500,000 Measure A Funds
- ▶ Project Scope
 - ▶ Design-Build project to provide an energy measurement and verification and management system, including replacing all outdated building management system controllers and software system, and adding utility meters to most buildings throughout the District, and adding an Energy Information System to monitor energy usage.
- ▶ Schedule
 - ▶ DBE Design phase started: 11/18/2014
 - ▶ Construction started: 1/26/2015
 - ▶ Estimated Construction Completion: Late 2015



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SMCCCD Energy and Sustainability Efforts

Overview

- ▶ Energy projects undergo total cost of ownership analysis
- ▶ Operations and Maintenance protocol are incorporated to facilitate long term savings and sustainability
- ▶ Incentives, rebates, grants and other external funding support is crucial to supporting these projects
- ▶ Staff is encouraged and trained to continuously improve and apply best practices in operations

Cañada College Solar Project

- ▶ **Project Description:** 1,250,000 watts of clean energy generated annually
- ▶ **Total investment:** \$5.8 Million
- ▶ **Annual Savings:** \$~275,000
- ▶ **Simple Payback period:** ~16 years
- ▶ **Incentives and funding:**
 - ▶ ~\$800,000 over 5 years from California Solar Initiative and over ~\$553,000 from Proposition 39
- ▶ **Benefits:** Projected to cut electricity demand on campus by over 50% and electrical utility costs by more than half.



Cañada College Solar Photovoltaic Project

Solar PV Site, Construction Complete



Electrical Vehicle Charging Stations

- ▶ **Project Description:** Installation of 10 Electrical vehicle charging stations including 3 at each campus and 1 at the District Office.
- ▶ **Measure A Investment:** \$242,000
- ▶ **Incentives and Funding:** California Energy Commission grant partnership with Schneider Electric
 - ▶ \$71,000
- ▶ **Benefits:** Supporting low carbon transportation options for students, staff and the community.



Summary

Project	Investment	Incentives & Grants	Annual Savings	Other Benefits
Cañada Solar	\$5.8 Million	~\$1.3 Million	~\$265,000	GHG Reductions; Teaching tool
District Wide Lighting	~\$2.5 Million	~\$685,000	~\$100,000	Safety and Security; Reduced Maintenance
Measurement & Verification	\$2.5 Million	~\$600,000	~\$500,000	Shift from Reactive to Proactive M&O
EV Charging Stations	\$242,000	\$71,000	N/A	GHG Reductions
Total	~\$9.75 Million	~\$2.6 Million	~\$800,000	

Other Efficiency Efforts

- ▶ **Water Efficiency Program: Reduce Water Usage District wide by 25%**
 - ▶ Currently at 23% reduction with ~\$50K investment saving \$200,000 annually thus far.
- ▶ **Storm Water Management Program: Preserve and protect the surrounding water ways**
 - ▶ Proactively managing the Quantity and Quality of water entering the storm water system
 - ▶ Avoided costly Water Quality Oversight of ~\$15K Annually
- ▶ **Strategic Energy Plan: Reduce and manage energy usage while examining opportunities for renewables**
 - ▶ Continuous identification and implementation of energy Conservation, Management and Generation Measures
 - ▶ Working to cut net energy use District wide by 30% over the next three years and ultimately toward net zero energy

Question & Answer

www.smccd.edu/facilities

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