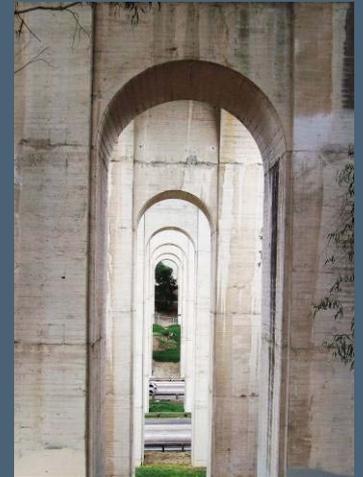
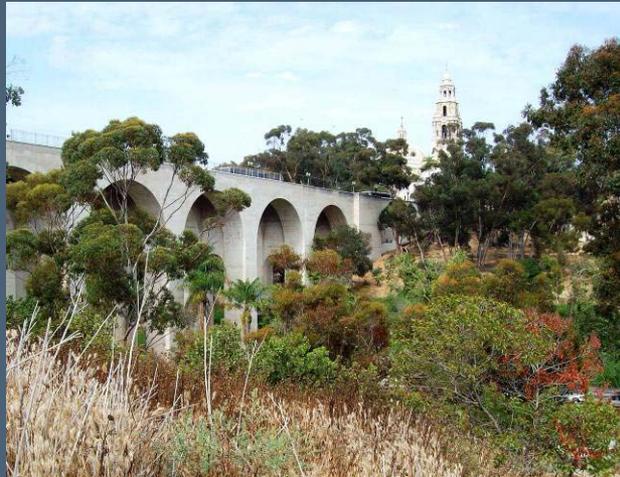


CABRILLO BRIDGE

Rehab/Retrofit Project

LAUREL STREET OVERCROSSING





SUMMARY OF PROJECT

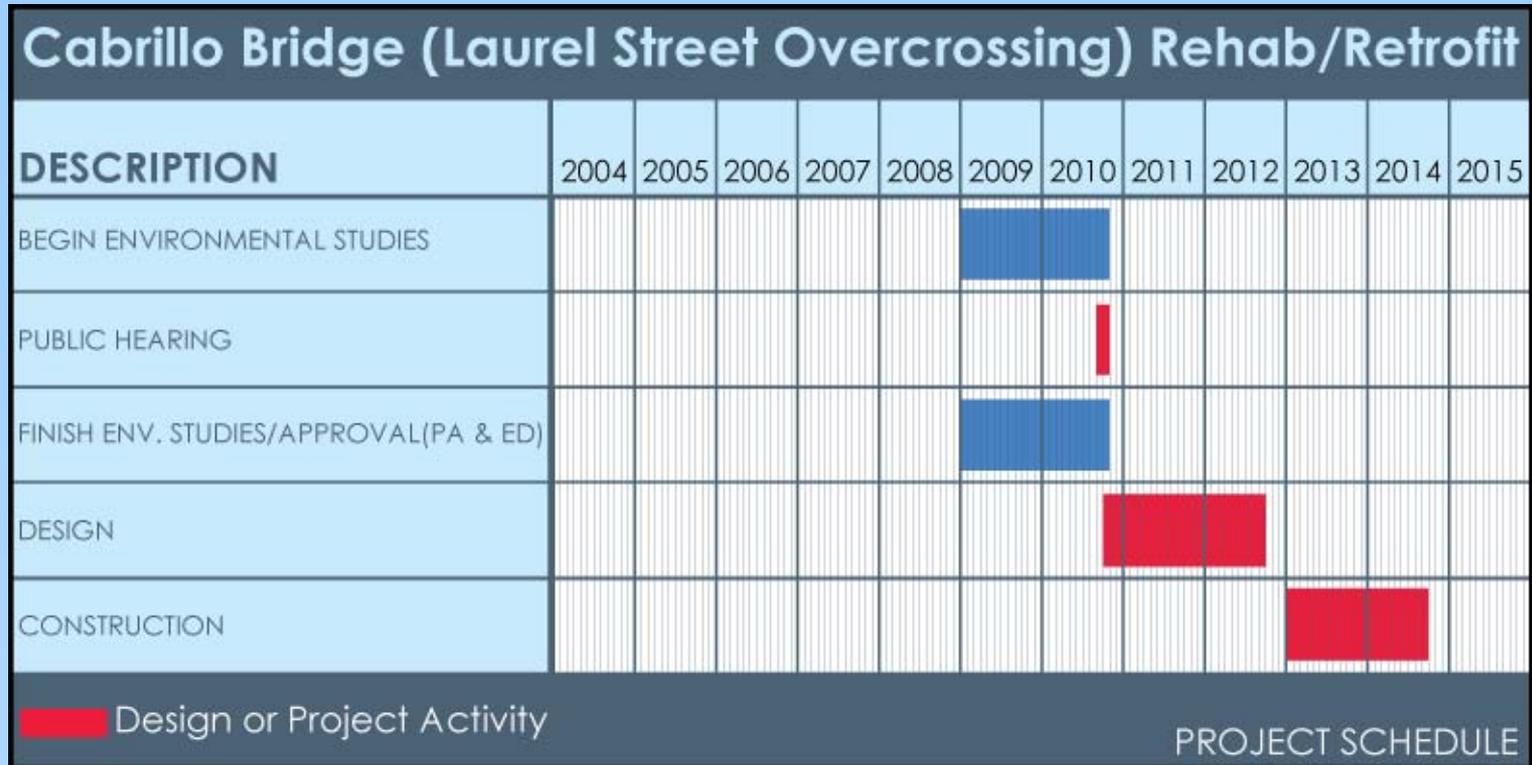
- Piers (2-column supports): Rehabilitate the external surface concrete
- Facade: Rehabilitate the external surface concrete that is visible to the public & Install new steel doors at all columns
- Soffit: Rehabilitate the external surface concrete on the undersides of the bridge
- Piers (2 column supports): Retrofit the internal column section by adding shotcreted shear walls – additional 10” of thickness
- Entire Superstructure: Retrofit by installing post tensioning, steel shear pipes and new concrete to restrain the mid-span joints



SUMMARY OF PROJECT

- Footings (Interior): To remain undisturbed. Tests show sufficient soil bearing capacity even under extreme loading
- Footings (Exterior): Install accent lighting
- Abutments Structural Elements and other: Rehabilitate the internal concrete, grade soil and install ladders and walkways
- Abutment Facade: Rehabilitate external surface concrete, install temporary and permanent doors, reroute electrical service line to the outside
- Deck: Remove and replace existing pavement at specific locations and improve deck drainage

SCHEDULE



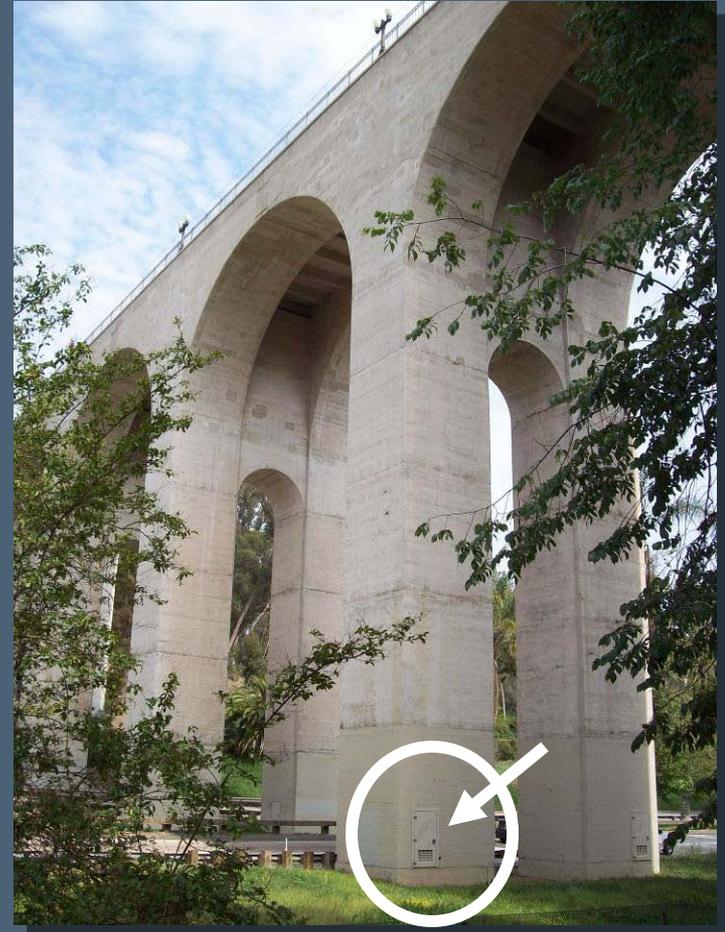
SCOPE

Piers (2-column supports): Rehabilitate the external surface concrete



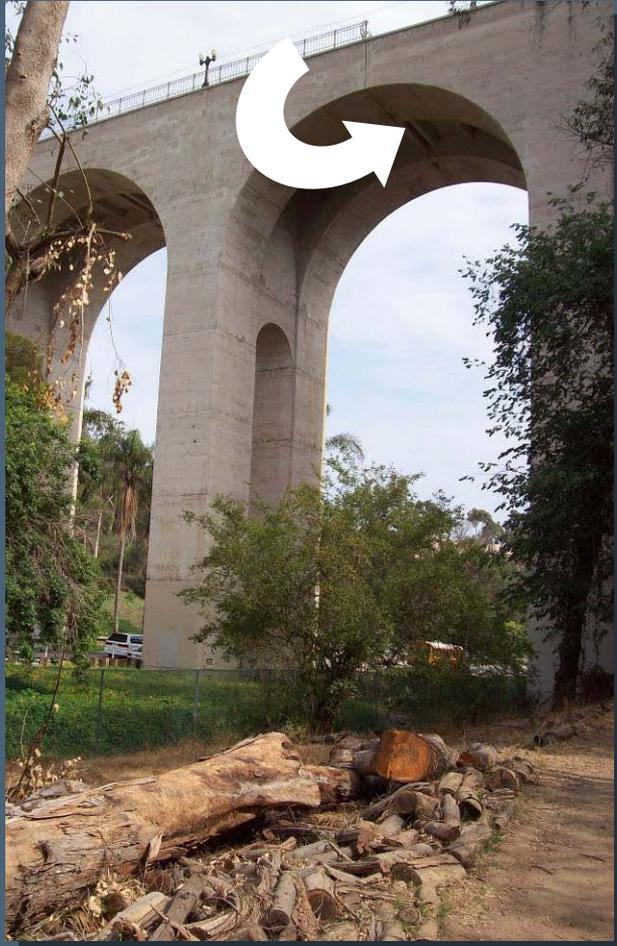
SCOPE

Facade: Rehabilitate the external surface concrete that is visible to the public
& Install new steel doors at all columns



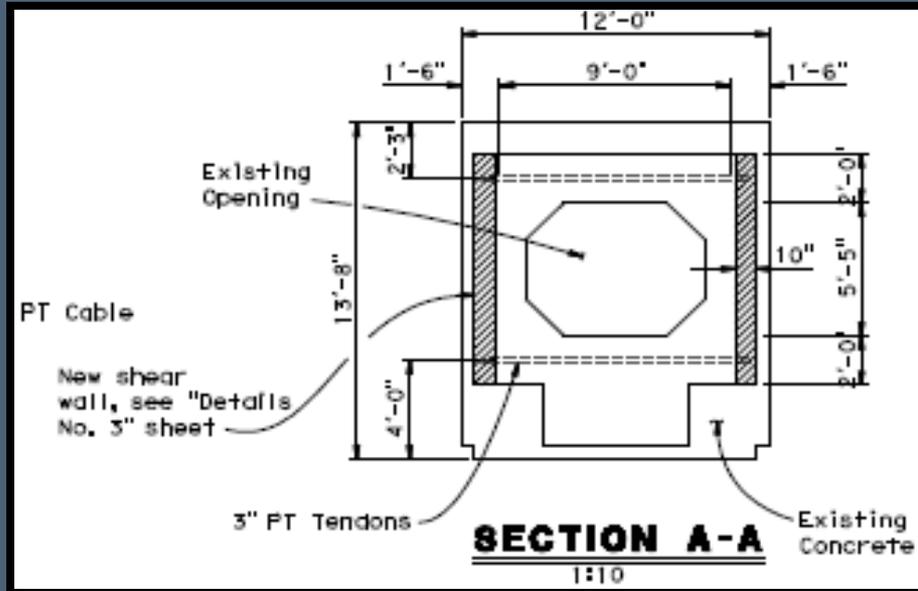
SCOPE

Soffit: Rehabilitate the external surface concrete on the undersides of the bridge



SCOPE

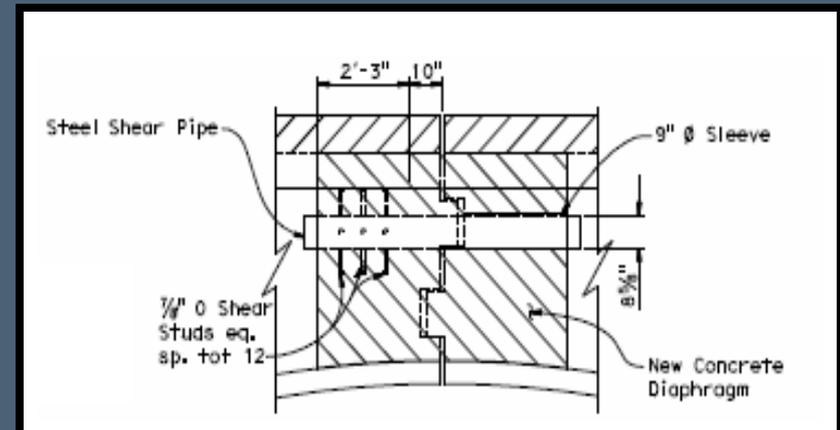
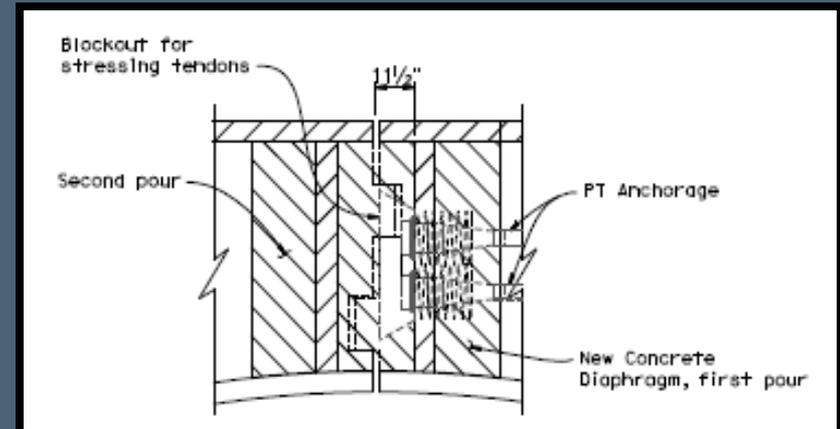
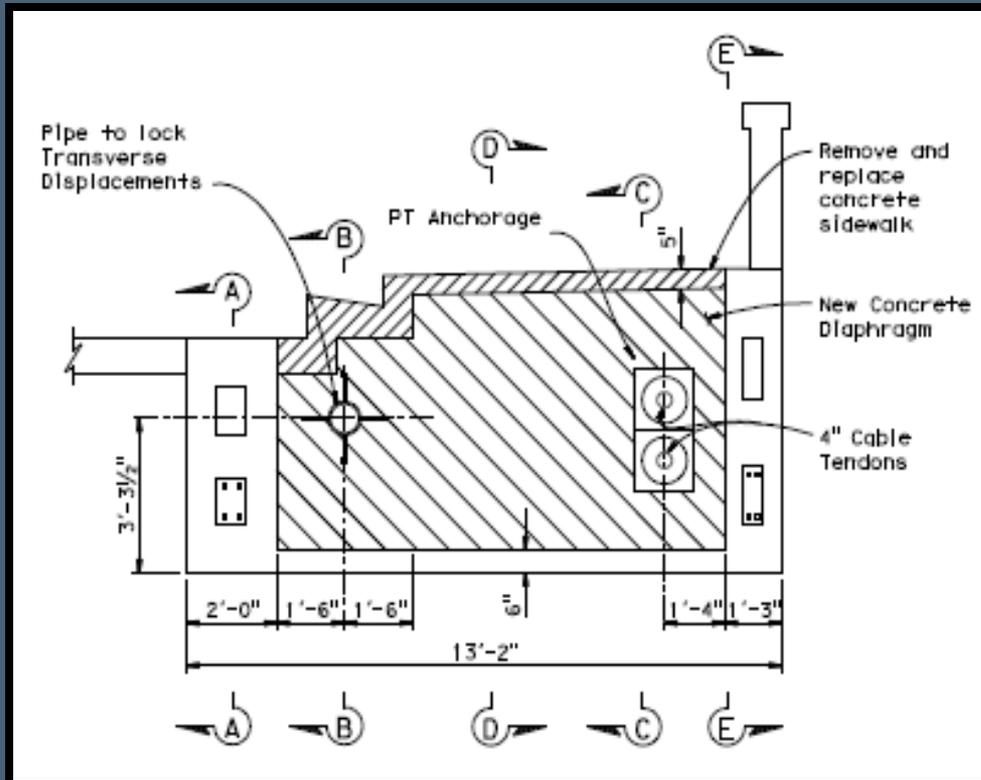
Piers (2 column supports): Retrofit the internal column section by adding shotcreted shear walls – additional 10" of thickness



SCOPE

Entire Superstructure: Retrofit by installing post tensioning, steel shear pipes and new concrete to restrain the mid-span joints

Joint Detail



SCOPE

Footings: To remain undisturbed. Tests show sufficient soil bearing capacity even under extreme loading



Pier 4, existing view

SCOPE

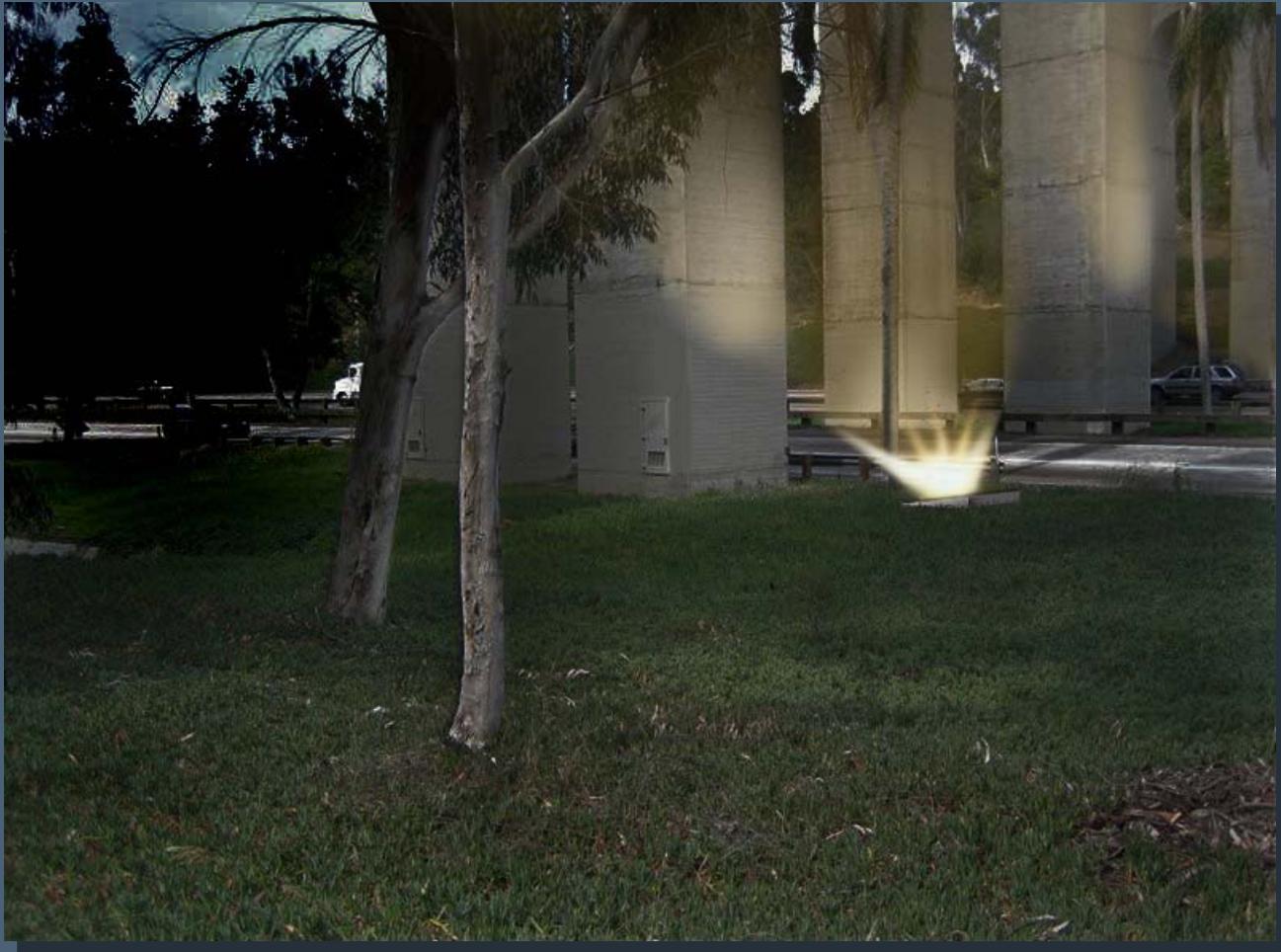
Footings: Install accent lighting



Pier 4, Photo simulation of light standard in ground in the day time

SCOPE

Footings: Install accent lighting



Pier 4, Photo simulation of light standard in ground at night

SCOPE

Abutments Structural Elements and other: Rehabilitate the internal concrete, grade soil and install ladders and walkways



SCOPE

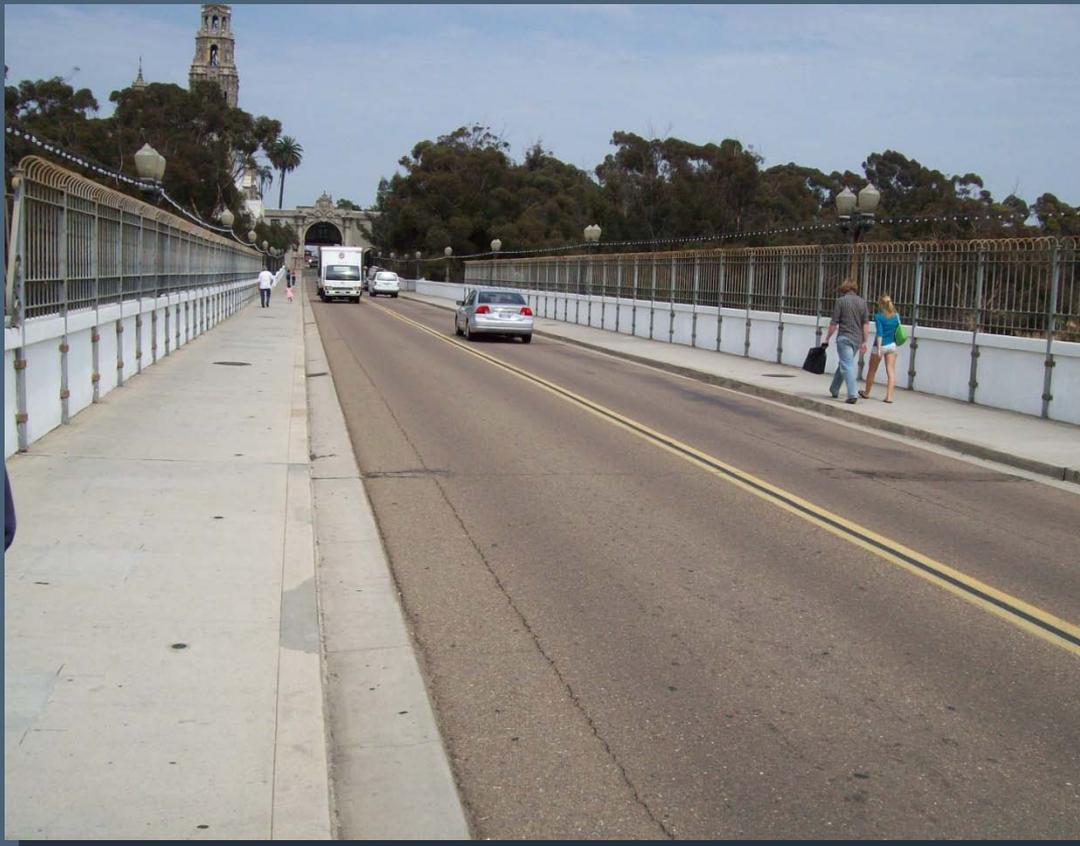
Abutment Facade: Rehabilitate external surface concrete, install temporary access doors (for construction equipment) and permanent doors (to enable future inspections), reroute electrical service line to the outside (Note: Access door at SW facade to be replaced in kind afterwards)



Relocated Electrical Service Line

SCOPE

Deck: Remove and replace existing pavement and improve deck drainage



ACCESS/STAGING

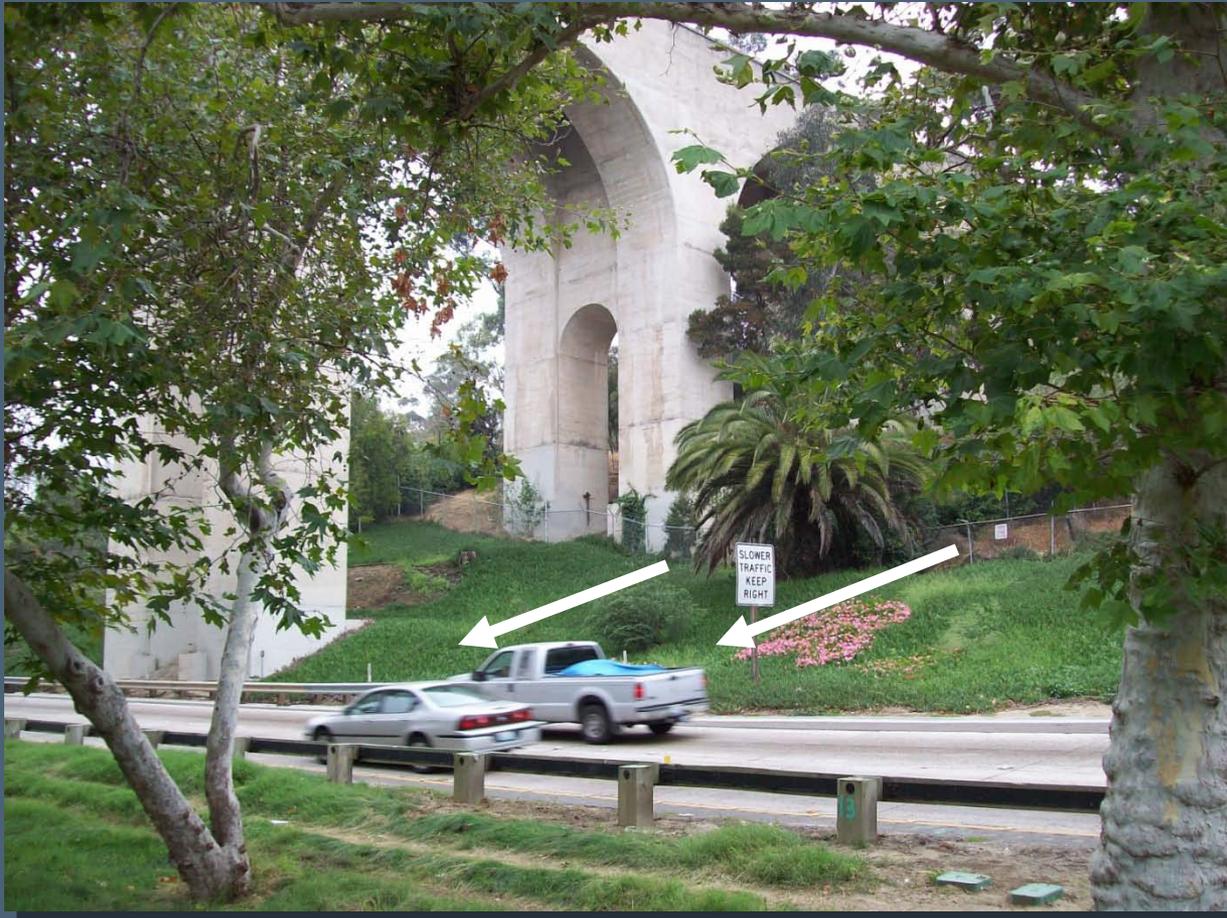
The roadside adjacent to Piers 4 and 7 is ideal for construction access



Pier 4 looking north

ACCESS/STAGING

The roadside adjacent to Piers 4 and 7 is ideal for construction access



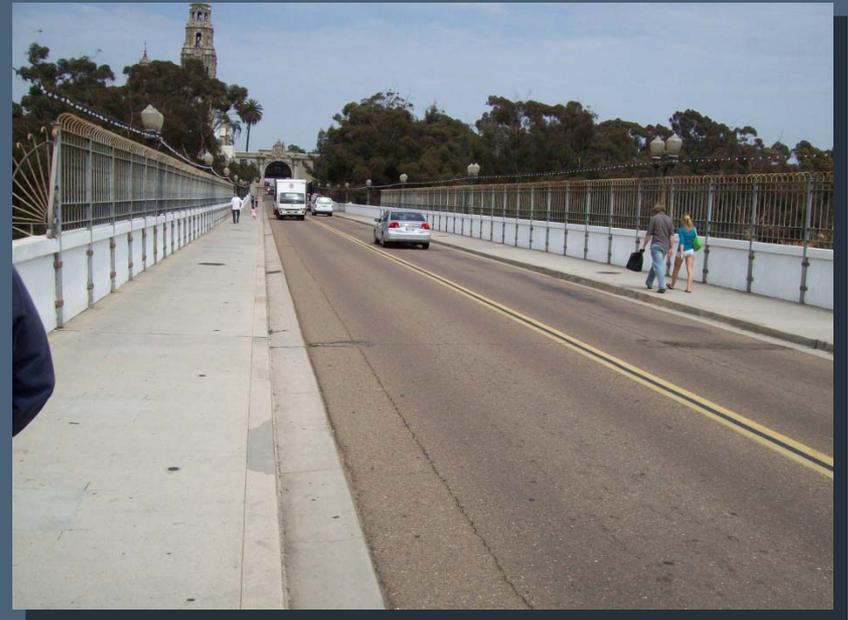
Pier 7 looking North

ACCESS and CLOSURES

- SR-163 NB/SB Freeway: Nighttime closures to install scaffolding
- El Prado Street: Closures when deck pavement is replaced (5-day closures)
- Temporary closures to install temporary concrete rail and restriping that will provide on-going construction vehicles access



Pier 4



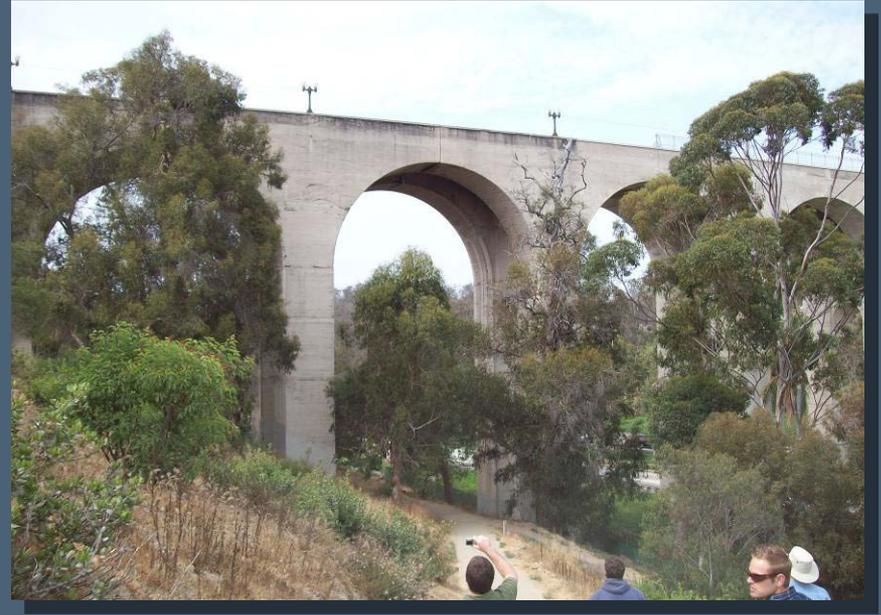
Looking East

STAGING AREAS

- At-grade trails (that pass under the bridge) will be impacted
- A portion of the trail west of SR 163 and north of the bridge will be dual use (people and construction vehicles) with flaggers on an as needed basis
- A portion of the archery range will have partial fencing and will be closed during construction

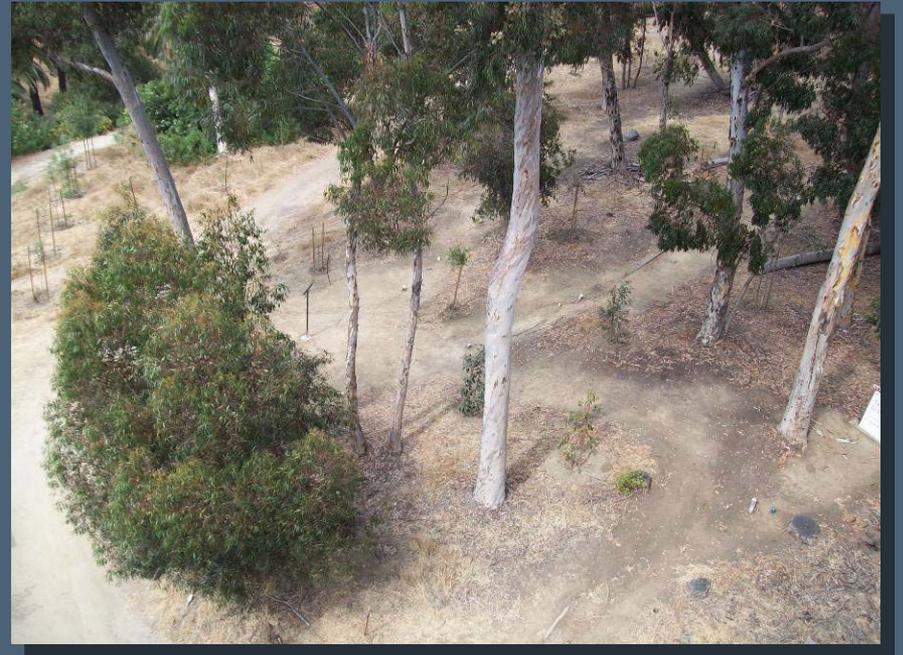


Possible west staging



Looking north

STAGING AREAS



The logo features a stylized illustration of the bridge's arches on the left, set against a light blue background. To the right of the illustration, the text "CABRILLO BRIDGE" is written in a large, bold, black serif font. Below it, "Rehab/Retrofit Project" is written in a smaller, black serif font. The entire logo is enclosed in a thin black rectangular border.

CABRILLO BRIDGE
Rehab/Retrofit Project

Thank-you





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