



SFMTA
Municipal
Transportation
Agency

Balboa Park Station Area & Plaza Improvements Project

11/17/2014

Project Background/Objective

- San Francisco Board of Supervisors adopted the Balboa Park Station Area Plan in 2009. It serves as a template for all development activities in the area by public agencies.
- In October 2012, the Balboa Park Station Capacity and Conceptual Engineering Study was completed by Jacobs Engineering. The goal was to refine and advance the Balboa Park Station Area Plan from a vision to a reality that improves the area around the Balboa Park Station area.
- **Project Objective: To implement safety, accessibility, and transit improvements around the Balboa Park Station to enhance the customer experience in one of the regions busiest multimodal facilities.**









Scope/Budget

- Geneva Avenue sidewalk widening
- Geneva Avenue median island relocation including drainage, street lights, and traffic signal.
- Median island landscaping
- Red Transit Only Lanes
- Curb ramp upgrades
- Flashing Beacon: Ocean Ave/I-280 off-ramp crossing
- Trolley Pole relocations at J/K walkway
- Pedestrian scale lighting
- Wayfinding Signs
- Relocate and upgrade train controller cabinet to (N) VPI and create (N) VPI logic to control interlocking.
- Relocate and upgrade traffic signal cabinet to receive additional inputs from (N) VPI train controller cabinet.
- Install (N) VETAG loops and upgrade existing VETAG hardware.
- Remove and replace rail, pavement, and track circuit for J-Line pull in.
- (N) Pedestrian signals, Curb ramp upgrades, and landscaping.

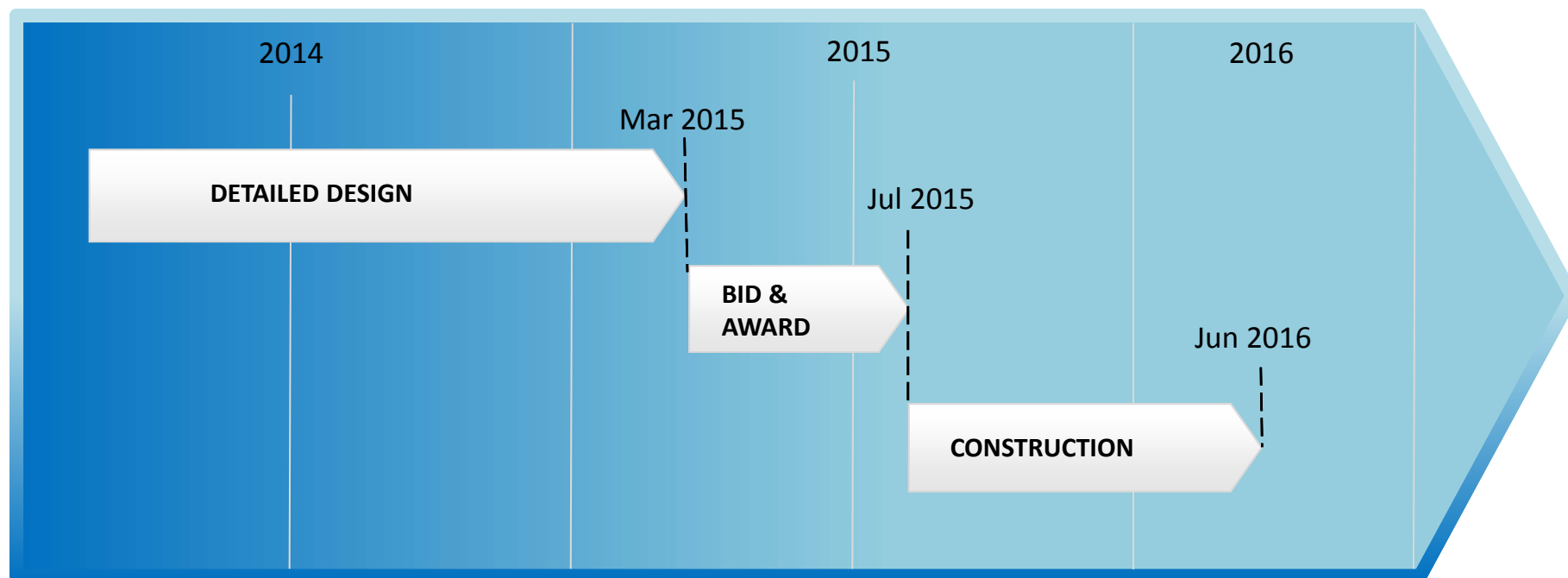
Phase	Budget
Conceptual Engineering	\$430,000
Detailed Design	\$882,000
Construction	\$5,645,000
Total Project Cost:	\$6,957,000

Project Overview Map



-  Sidewalk Widening
-  Median Island Relocation and Landscaping
-  Red Transit Lanes
-  Ped Scale Lighting
-  Curb Ramp Upgrades
-  Trolley Pole Relocation off J/K Walkway
-  Flashing Beacons
-  Traffic & Train Signal Upgrades

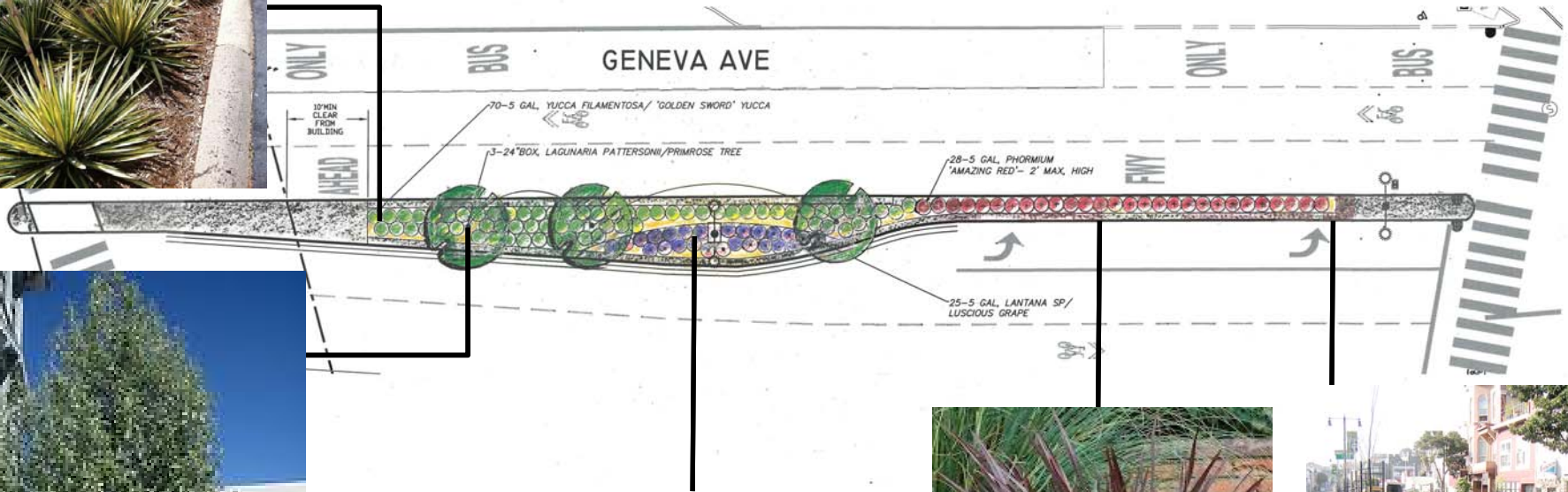
PROJECT SCHEDULE/MILESTONES



Water Wise Landscape Plan



Low shrub: Yucca Filamentosa/
'Color Guard' Yucca (2.5' tall)



Tree: 3 - Lagunaria Pattersonii/
Primrose tree (24" Box)



Low shrub: Lantana
Camera/
Luscious Grape (2' tall)



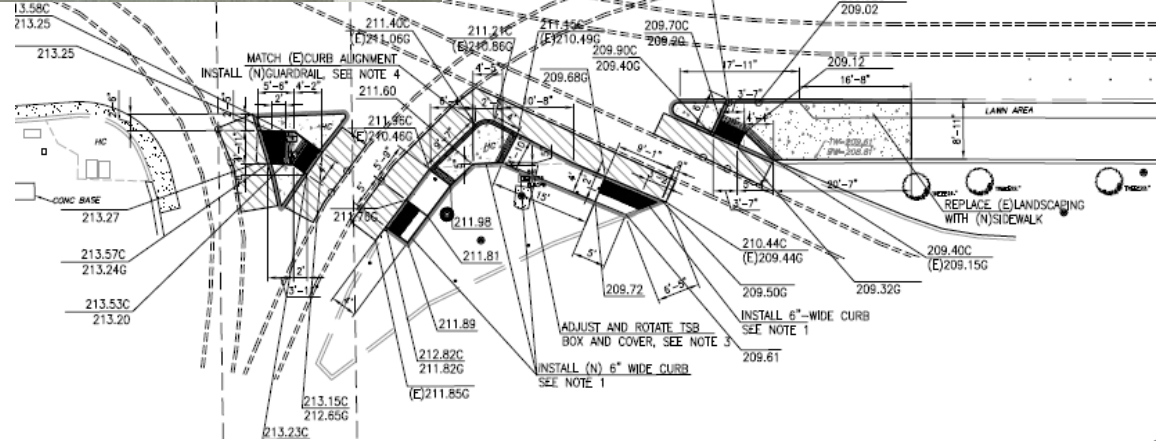
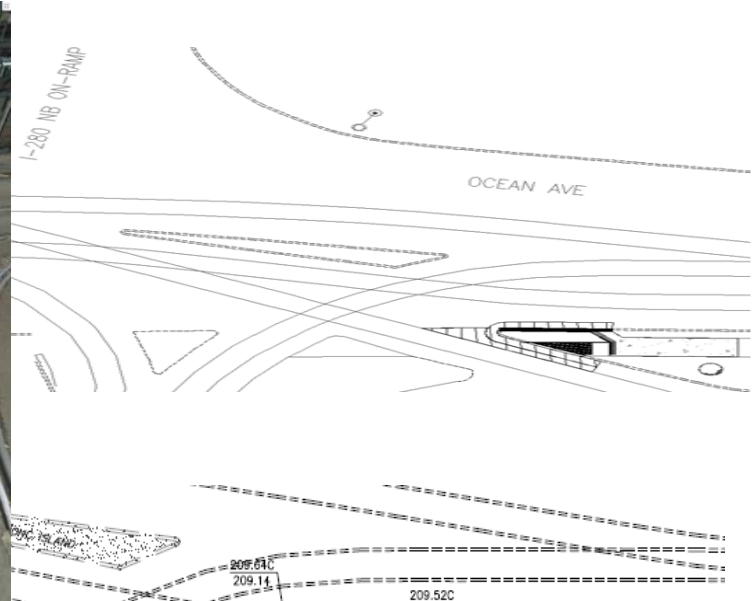
Low shrub: Phormium /
'Amazing Red' (2' tall)



1' Maintenance Strip/
Gravel Mulch

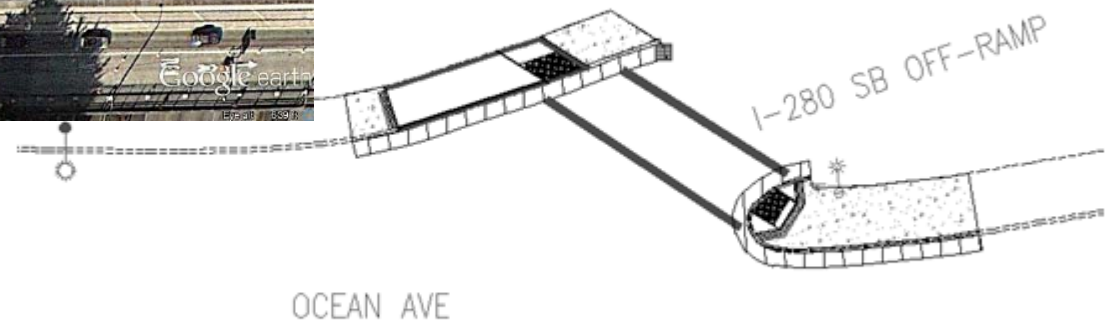
Accessibility & Signal Upgrade on Ocean Avenue

Between San Jose Avenue and I-280 Freeway



Ocean Avenue/I-280 Southbound Off-Ramp Crossing

Install three flashing beacon heads on the I-280 southbound ramp to Ocean Avenue, pedestrian push button, and upgrade two curb ramps and sidewalk at the crossing of the ramp.



Relocate Trolley Poles

At the Northwest Corner of San Jose and Geneva Avenue, inside the Green Lightrail Center, to improve accessibility of the walkway to Muni station



Install pedestrian scale lighting

Along the borders of the Balboa Park Station Area
to increase transit customer safety

SAN FRANCISCO STREET LIGHT PLAN
FIXTURE CATALOGUE TECHNICAL DETAILS
TYPE LP170

DESCRIPTION

FIXTURE HEAD

- Fiber glass top shade
- Cylindrical UV stabilized polycarbonate enclosure with aluminum band at middle
- Symmetric distribution
- Dimming capability
- IP 65
- Nominal 19.3" H x 25.8" Dia.

POLE

- Pole:
- Straight smooth cast aluminum pole
 - Powder coat finish
 - Nominal 12' H x 5" Dia.

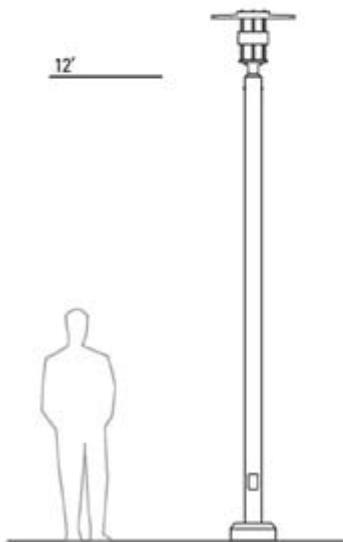
POLE BASE

- 10" bolt circle
- 1" dia. bolts by the contractor per City requirements, 36" length min.
- Two piece base cover

FINISH

- Powder coat finish - Natural Aluminum or Black

This fixture is new to San Francisco streets.



Notes:

- Priority one - Location 1 and Location 5
- Priority two - Location 2 and Location 3
- Priority three - Location 4
- Location 6 and 7 will not be included because we are not allowed to built on BART Structure.
- Location 1- One fixture only – match existing 30 feet pole and teardrop fixture.

LEGEND

Proposed Lighting Improvement Locations

Install Wayfinding Signs

To direct pedestrians to transit facilities in the area

- Same design and size as those installed alongside of Balboa Park transit facility in 2013.
- Thirteen (13) 24" x 36" Signs New signs will be installed on side streets leading to transit facilities.



In Collaboration of City Agencies



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SAN FRANCISCO
PLANNING DEPARTMENT

