





Memorandum

Date: 07.13.16 **RE:** Plans and Programs Committee
July 19, 2016

To: Plans and Programs Committee: Commissioners Tang (Chair), Farrell (Vice Chair), Avalos, Breed, Peskin and Wiener (Ex Officio)

From: Eric Cordoba – Deputy Director for Capital Projects 

Through: Tilly Chang – Executive Director 

Subject: **INFORMATION** – Update on the I-80/Yerba Buena Island East Side Ramps Project

Summary

The Transportation Authority is working in collaboration with the Treasure Island Development Authority (TIDA) to construct new I-80/westbound on and off ramps (on the east side of Yerba Buena Island (YBI)) connecting to the new Eastern Span of the San Francisco-Oakland Bay Bridge (SFOBB). TIDA is starting its redevelopment construction efforts on Treasure Island and YBI. Caltrans is also continuing its new Eastern Span SFOBB construction efforts; reconstructing the I-80 east bound on and off ramps including extending the Eastern Span bicycle pedestrian path to YBI. We have been actively coordinating with Caltrans, the Bay Area Toll Authority (BATA), TIDA, and the U.S. Coast Guard to ensure proper coordination of all related construction efforts. In anticipation of the new Eastern Span bicycle pedestrian path extension to YBI occurring in fall 2016, all of the affected agencies have determined it would be advantageous to design and construct temporary trail landing Vista Point (Vista Point) improvements on YBI adjacent to the SFOBB bicycle/pedestrian path touch down area. These improvements would provide a temporary larger, more amenable Vista Point area (on U.S. Coast Guard property – Quarters 9), including hydration station, portable restrooms, bike racks, parking lot and pedestrian actuated crosswalk. The Vista Point improvements would be delivered by the Transportation Authority in partnership with BATA. BATA will be responsible for designing the facility and funding 50% of construction, while the Transportation Authority will be responsible for constructing the Vista Point improvements (as a construction contract change order to the I-80/YBI East Side Ramps project) and funding 50% of construction. Vista Point construction work is targeted for completion in fall 2016 and will be coordinated with the new Eastern Span bicycle pedestrian path extension to YBI. Construction of the project is proceeding on schedule and within budget, and is approximately 90% complete.

BACKGROUND

We are working in collaboration with the Treasure Island Development Authority (TIDA) in implementing transportation projects on Yerba Buena Island (YBI). As part of that effort, we are leading the delivery of the following two YBI improvement projects: 1) the I-80 YBI East Side Ramps project, which includes constructing new westbound on and off ramps (on the east side of YBI) connecting to the new Eastern Span of the San Francisco-Oakland Bay Bridge (SFOBB); and 2) seismic retrofit of the existing YBI West Side Bridges Retrofit project on the west side of the island on Treasure Island Road, a critical component of island traffic circulation leading to and from the SFOBB. We are also working in partnership with Caltrans, the Bay Area Toll Authority (BATA) and the U.S. Coast Guard on these projects.

DISCUSSION

We completed the Plans, Specifications and Estimates and right of way certification efforts for the I-80 YBI East Side Ramps project in March 2013 and construction started in January 2014. Construction of the project is proceeding on schedule and within budget and is approximately 90% complete, with the Westbound Off and On-ramps expected to be opened to traffic in September 2016. Full construction including landscaping installation and other miscellaneous items of work is currently scheduled for completion in December 2016. Total construction capital project cost is within the original \$63.89 million construction capital phase budget allocation.

TIDA is starting its redevelopment construction efforts on Treasure Island and YBI. Caltrans is also continuing its new Eastern Span SFOBB construction efforts, reconstructing the I-80 east bound on and off ramps including extending the Eastern Span bicycle pedestrian path to YBI. We have been actively coordinating with Caltrans, BATA, TIDA, and the U.S. Coast Guard to ensure proper coordination of all related construction efforts. In anticipation of the new Eastern Span bicycle pedestrian path extension to YBI occurring in fall 2016, all of the affected agencies have determined it would be advantageous to design and construct temporary trail landing Vista Point (Vista Point) improvements on YBI adjacent to the SFOBB bicycle/pedestrian path touch down area. These improvements would provide a temporary larger, more amenable Vista Point type setting (on US Coast Guard property – Quarters 9), including hydration station, portable restrooms, bike racks, parking lot and pedestrian actuated crosswalk.

The Vista Point improvements would be delivered by the Transportation Authority in partnership with BATA. BATA will be responsible for designing the facility and funding 50% of construction, while the Transportation Authority will be responsible for constructing the Vista Point improvements (as a change order to the I-80 YBI East Side Ramps project) and funding 50% of construction. Vista Point construction work is scheduled for completion in fall 2016 and will be coordinated with the new Eastern Span bicycle pedestrian path extension to YBI. Total estimated construction cost for this work is \$2 million. BATA will provide \$1 million of Bridge Toll Funds for its share of the cost and the Transportation Authority's \$1 million share will be funded with Federal Highway Bridge Program and Prop 1B Seismic Retrofit funds from the capital construction phase contingency line item.

We are also working in partnership with Caltrans, BATA, TIDA and the U.S. Coast Guard to develop and implement traffic circulation changes in the vicinity of the I-80 eastbound (EB) on and off ramps and Hillcrest/Southgate Road intersection. Specifically, we have developed a Southgate Road realignment concept that accomplishes the following: 1) reduce the potential for queuing onto I-80 by eliminating the currently planned left turn from the I-80 EB off-ramp to Southgate Road; 2) significantly improve traffic circulation at the Southgate Road Hillcrest Road location; 3) improve roadway geometry to eliminate truck turning deficiencies; 4) separate I-80 EB and I-80 westbound traffic to reduce on-island queues; 5) reduce conflict between bicycles/pedestrian and the motoring public. We plan to bring more specifics on this item back to the Committee at a future meeting.

ALTERNATIVES

None. This is an information item.

CAC POSITION

None. This is an information item.

FINANCIAL IMPACTS

None. This is an information item.

RECOMMENDATION

None. This is an information item.

Attachment:

1. Presentation on Project Status of I-80/YBI East Side Ramps

I-80/Yerba Buena Island East Side Ramps: Project Status

Plans and Programs Committee
Agenda Item 7



SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY
July 19, 2016

Yerba Buena Island



YBI Ramps Project Current Status



YBI Ramps Construction Contract Update



- **Awarded construction contract to Golden State Bridge, Inc.– Dec. 2013**
- **90% complete, on-time and under budget**
 - **\$63.89M construction capital phase**
 - **12.5% DBE Goal**
- **New Ramps Opening: September 2016**



YBI Ramps Upcoming Milestones

- **Bridge Barriers – July 2016**
- **Northgate/Macalla Reconstruction – Aug. 2016**
- **Seismic Bridge Deck Joints – Aug. 2016**
- **Traffic Electrical, Signing, Striping – Sept. 2016**
- **Ramp Opening – Sept. 2016**
- **Landscaping mitigation – Dec. 2016**



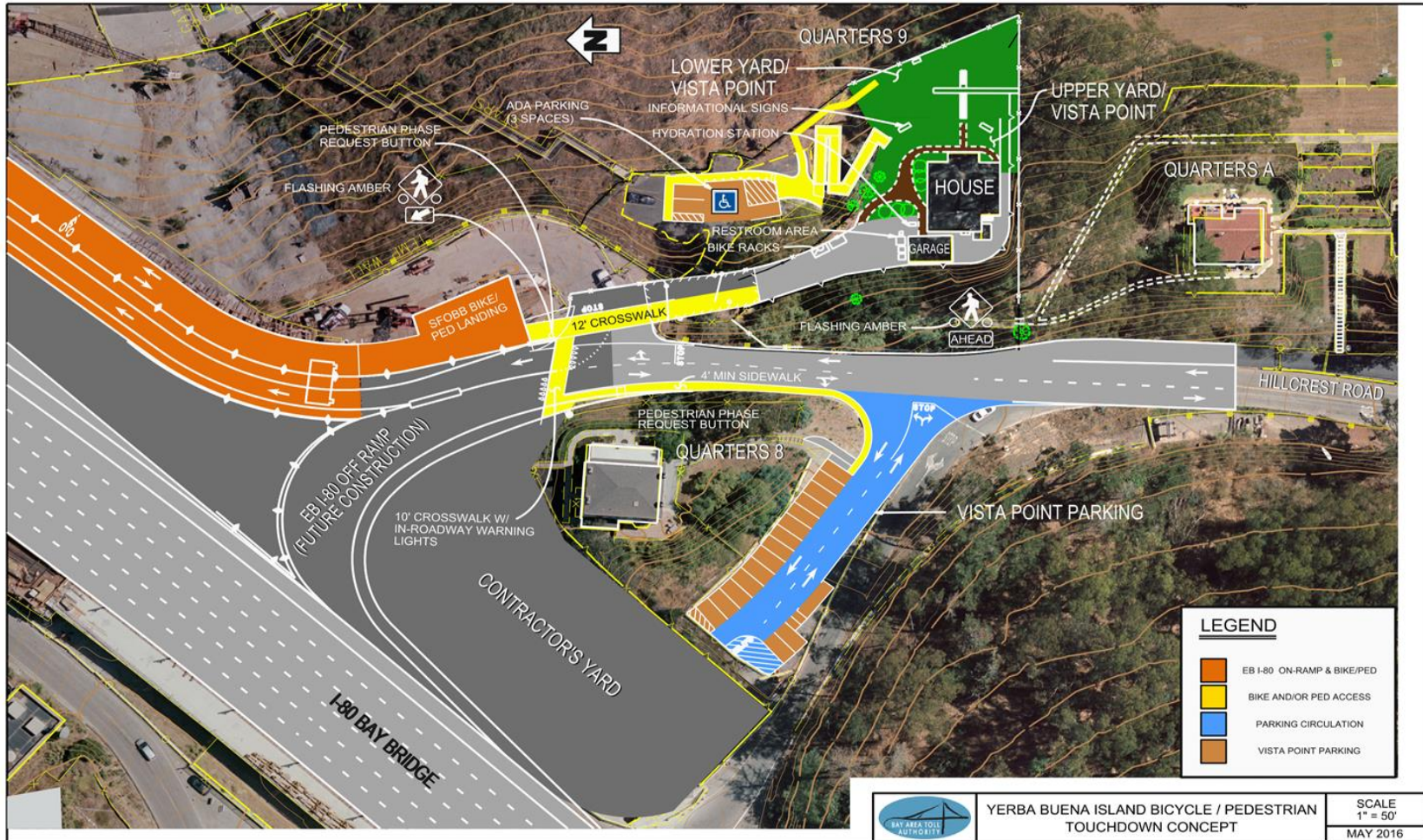
YBI Ramps Facts/Figures of Note

- **12,500 Cubic Yards of Structural Concrete**
 - **1,400 Truck Loads**
- **5+ Million Pounds of Reinforcing Steel**
- **37,000 Feet of Piling = 7 Miles**
- **185 Tons of Structural Steel**

YBI Ramps Project Current Status



YBI Bike/Ped Vista Point





YBI Bike/Ped Vista Point

- **Vista Point Amenities:**
 - Hydration, restrooms, bike racks, benches
 - Parking area
- **TA to construct on USCG Qtrs. 9**
- **Funding: \$2M (BATA –TA)**
- **Vista Point Opening: Fall 2016**

YBI Bike/Ped Vista Point



Current Southgate Road Plan





Current Plan Deficiencies

- Queue spillback onto I-80 from EB off-ramp
- Bike/ped - vehicle conflict at SFOBB Landing
- No public parking @ SFOBB Bike/Ped Landing
- Southgate/Hillcrest – circulation deficiencies
- Truck turning deficiencies

Proposed Southgate Road Realignment





Proposal Benefits

- **Reduces queuing onto I-80 from EB off-ramp**
- **Eliminates bike/ped - vehicle conflict**
- **Establishes parking area**
- **Significant traffic circulation improvement**
- **Accommodates truck turning movements**



Implementation Plan

- **Caltrans to issue deductive SFOBB contract change for removal of current Southgate Road reconstruction plan**
- **SFCTA working with BATA to finalize a funding solution to implement the Southgate Road Realignment project**

Questions?



SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY