



Memorandum

Date: July 10, 2019
To: Treasure Island Mobility Management Agency Committee
From: Eric Cordoba – Deputy Director for Capital Projects
Subject: 07/16/19 Committee Meeting: Update on Yerba Buena Island Infrastructure Projects

<p>RECOMMENDATION <input checked="" type="checkbox"/> Information <input type="checkbox"/> Action</p> <p>None. This is an information item.</p> <p>SUMMARY</p> <p>The San Francisco County Transportation Authority (Transportation Authority) is working closely with the Treasure Island Development Authority (TIDA) and the California Department of Transportation (Caltrans) to deliver several improvement projects on Yerba Buena Island (YBI) over the new few years. Staff will provide a brief description and update for each project.</p>	<p><input type="checkbox"/> Fund Allocation</p> <p><input type="checkbox"/> Fund Programming</p> <p><input type="checkbox"/> Policy/Legislation</p> <p><input type="checkbox"/> Plan/Study</p> <p><input checked="" type="checkbox"/> Capital Project Oversight/Delivery</p> <p><input type="checkbox"/> Budget/Finance</p> <p><input type="checkbox"/> Contract/Agreement</p> <p><input type="checkbox"/> Other:</p> <hr/>
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DISCUSSION

Background.

The Transportation Authority is working jointly with TIDA on the development of the I-80/YBI Interchange Improvement Project. TIDA has asked the Transportation Authority, in its capacity as the Congestion Management Agency, to lead the effort to deliver the I-80/YBI Interchange Improvement Project because of our expertise in funding and interacting with the Caltrans on design aspects of the project. The scope of the I-80/YBI Interchange Improvement Project includes two major components: 1) the YBI Ramps Improvement Project, which includes constructing new westbound on and off ramps Phase 1 (on the east side of YBI) to the new Eastern Span of the San Francisco-Oakland Bay Bridge (SFOBB) and the YBI Ramps Southgate Road Realignment Improvements Phase 2; and 2) the YBI Westside Bridges Seismic Retrofit Project (Project) on the west side of the island. The Transportation Authority is also leading a YBI Bicycle and Pedestrian Pathway Study which analyzes overall bicycle and pedestrian connections on the island. There are additional related infrastructure improvements also underway such as the Caltrans Pier E2 Project.

Projects.

YBI Ramps Southgate Road Realignment Improvements

Description: The YBI Southgate Road Realignment Improvements Project will reopen the I-80 YBI eastbound off-ramp and realign Southgate Road (on the south side of I-80) to reconnect to Macalla Road. The project also includes constructing a bicycle/pedestrian facility from the SFOBB bicycle/pedestrian landing down to Macalla Road.

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Status: The project is moving through the project delivery process. Environmental clearance was completed in June 2019. Final design and right of way acquisition is underway and is planned to be completed in August 2019. The project is scheduled to be advertised for construction in September 2019, with construction starting in January 2020.

YBI Westside Bridges Seismic Retrofit

Description: This project encompasses reconstructing or seismic retrofitting eight existing bridge structures on the west side of YBI, several of which were constructed in the 1930s. These structures essentially comprise a viaduct along Treasure Island Road, just north of the SFOBB. Treasure Island Road, is a vital component of the YBI traffic circulation system and serves as an important part of the on and off-ramp system to the SFOBB.

The project is uniquely located along the western edge of YBI along steep terrain on the hillside overlooking the San Francisco Bay, which will make it challenging to implement. The construction work includes demolishing eight structures and replacing them with realigned roadway, six retaining walls, and a new undercrossing structure. Additionally, one structure will be seismically retrofitted and includes a column relocation. Not only is the location challenging, but the project presents numerous complex structural (bridge/retaining wall foundations) and geotechnical challenges (unstable soils), as well as difficult construction access (very steep terrain) and environmental constraints (construction adjacent to and above the San Francisco Bay). Due to the numerous complex structural and geotechnical challenges, this project is being delivered using an innovative project delivery approach, Construction Manager/General Contractor.

Status: The project is moving through the project delivery process. Environmental clearance was completed in November 2017. Final design is approximately 50% complete and is scheduled to be completed in summer 2020. Construction is scheduled to start in spring 2021 and be completed by early 2024.

Caltrans Pier E2

Description: As part of the SFOBB East Span Seismic Safety Replacement project, Caltrans is required to remove the old Bay Bridge from San Francisco Bay, including all marine foundations. The Toll Bridge Program Oversight Committee directed Caltrans and Bay Area Toll Authority (BATA) to explore opportunities to save the Pier E2 marine foundation near YBI and reconfigure the old pier for public access.

Caltrans is partially demolishing the old marine foundation and constructing a new pier above the old foundation, including a connecting bridge from the southeastern tip of YBI. The pier will include tables, seats, lighting and be ADA compliant. The repurposing of the old bridge foundation to a new public access point is consistent with proposed uses for the public access trail and the Bay Trail.

Status: The project is currently in construction and is anticipated to be complete by late October 2019.

YBI/Treasure Island Bicycle/Pedestrian Pathway Study

Description: The Transportation Authority allocated \$250,000 in late 2018 to perform an analysis of overall bicycle and pedestrian connectivity on the island. This study seeks to develop recommendations for additional improvements on the island to facilitate safe and accessible bicycle and pedestrian connection on the island between the planned Treasure Island Ferry Terminal, Caltrans SFOBB Landing, Pier E2, and the planned future SFOBB West Span bicycle and pedestrian path.

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Status: The study is currently in the conceptual development phase and is scheduled to be completed in Fall 2019.

FINANCIAL IMPACT

None. This is an information item.

SUPPLEMENTAL MATERIALS

None