STAFF REPORT

TO: Planning Committee
AC Transit Board of Directors

FROM: David J. Armijo, General Manager

SUBJECT: Quarterly Report on the Transbay Transit Center Project

BRIEFING ITEM

RECOMMENDED ACTION(S):
Consider Receiving Quarterly Report on the Transbay Transit Center (TTC) Project.

EXECUTIVE SUMMARY:
Transbay Joint Powers Authority (TJPA) design consultant is finalizing responses to AC Transit staff’s review of the 95% design of the TTC bus deck, and they are updating design documents to proceed to a 100% design package for final District review.

District staff reviewed and provided comment on the 90% bus ramp design submittal in October 2012. TJPA design consultant is preparing responses to staff comments and proceeding to prepare a 100% design package for final District review by early 2013.

District staff has worked closely with the TJPA to install bollards and benches in key locations around the temporary terminal. The bollards and benches were installed to direct pedestrians to crosswalks and attempt to eliminate incidents where pedestrians are cutting across roadways in the terminal.

BUDGETARY/FISCAL IMPACT:
There are currently no budgetary/fiscal impacts related to the Transbay Transit Center Project Quarterly Report. In the future, staff will provide budgetary/fiscal impacts related to the maintenance, operations and lease terms for the Bus Storage Facility (BSF).

BACKGROUND/RATIONALE:
New Transbay Transit Center

Construction

The TJPA is responsible for management of the TTC Buttress, Shoring and Excavation (BSE) contract and is currently reporting that the construction is on schedule. The $200 million BSE contract is a pre-cursor to construction of the train box. The welding of cross lot steel bracing and tieback installation was recently completed, and mass excavation and trucking of soils continues to be a 24 hour activity. The TJPA and its contractors continue to coordinate with
local utility companies to relocate and upgrade utilities in preparation for TTC construction. The BSE contract is expected to be completed by 2014.

**Bus Deck Design Review**

Staff anticipates a complete set of responses to our comments on the 95% design in early 2013. Staff will continue coordinating closely with TJPA and the design team to expedite thorough and satisfactory responses and ensure the District’s operational needs are met. Staff will continue to regularly update the board on this design review process.

**Communications and Technology Design**

The design of the communications system and other technology for the Transbay Terminal remains a critical part of the project, and provides the tools needed to ensure the bus deck is managed as smoothly as possible. Staff is coordinating with the TJPA’s communications/information systems consultant to ensure AC Transit’s communications needs are met for both bus operations and the customer experience. Staff is awaiting release of the program document which should further identify project requirements.

**Bus Ramps**

Staff reviewed the 90% bus ramps design submittal and provided comments to the TJPA on October 4, 2012. The TJPA and the design team reviewed the comments with District staff on November 19, 2012. District staff continues to work with the TJPA and Caltrans to ensure the ramp designs are conducive to the recirculation and staging of buses, which play a critical role in the success of transit service at the new Transbay Transit Center.

AC Transit and the TJPA in collaboration with the San Francisco Planning Department have worked to minimize the impacts of the design of the Bus Ramps on the ground plane where the City anticipates future development. This primarily includes the lighting design details and the shadows cast by the ramps. After performing a more thorough analysis and evaluation of lighting needs in accordance with current industry standards of practice on a national and local level, the TJPA’s lighting consultant has made a number of upgrades and modifications to the original design. Staff and the TJPA are amenable to the design modifications which improve bus operations.

Due to the importance of these design elements, TJPA design staff has provided overviews of the current status of the ramp designs, and AC Transit has provided critical input on the items being presented. A copy of these presentations is attached.

TJPA is progressing toward a 100% design submittal by early 2013. Staff will continue to keep the board informed on the progress of the Bus Ramps design and coordination activity with the City and Caltrans. After completion of the design in early 2013, the TJPA anticipates construction of the TTC Bus Ramps beginning in mid 2013.
Bus Storage Facility

BSF design documents are currently under Caltrans review. Staff anticipates further meetings to discuss design details, facility ingress and egress, and how to fund the maintenance, operations and lease.

Temporary Terminal

In response to pedestrians cutting across the temporary terminal roadways rather than using existing crosswalks, staff has worked closely with the TJPA to install permanently anchored bollards and benches in key locations around the terminal to direct pedestrians to crosswalks and attempt to eliminate incidents of where pedestrians are cutting across roadways. District staff will continue to monitor pedestrian activity closely and consider additional measures in the future if the problem persists.

AC Transit’s Next Steps and Critical Path Items

- Continued coordination with Caltrans
- Review the TJPA’s responses & updates to the 95% CD for TTC and 90% bus ramp designs
- Review the 100% design of bus ramps
- Determine maintenance, operations and lease terms for the BSF
- Consider mitigations for impacts to AC Transit’s Transbay operations as a result of the extended construction schedule of the TTC

PRIOR RELEVANT BOARD ACTIONS/POLICIES:

GM Memo 12-018: Update on staff’s review of the 95% Construction Documents for the Transbay Transit Center

GM Memo 12-029: Quarterly report on the Transbay Transit Center Project

GM Memo 12-179: Quarterly report on the Transbay Transit Center Project

ATTACHMENTS:

1. Transbay Transit Center Bus Ramp Design Update – presented by ARUP

Department Head Approval: James D Pachan, Chief Operating Officer

Reviewed by: Robert del Rosario, Director of Service Development and Planning

Kenneth C. Scheidig, Interim General Counsel

Prepared by: Wil Buller, Traffic Engineer
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Transbay Transit Center
Bus Ramp Design Update

November 14, 2012

Agenda

1. Overview
2. Status
3. Supervisor Booth
4. Errant Motorist
5. Lighting
Agenda

1. Overview
2. Status
3. Supervisor Booth
4. Errant Motorist
5. Lighting

Bus Ramps Overview
Bus Ramps Overview

Bus Ramps Overview – Inbound Buses
Bus Ramps Overview – Outbound Buses

Bus Ramps Overview – Buses to Storage Facility
Bus Ramps Overview – Buses from Storage Facility

Bus Ramps Overview – Inbound Staging
Bus Ramps Overview – Inbound Staging
Agenda

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Status - Schedule
Agenda

1. Overview
2. Status
3. Supervisor Booth
4. Errant Motorist
5. Lighting
Supervisor’s Booth on Ramp

- Space for two personnel
- ADA accessible
Agenda

1. Overview
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4. Errant Motorist
5. Lighting

Errant Motorist – Signing and Striping
Errant Motorist – Signing and Striping

Errant Motorist – Anti-Ram Barrier
Agenda

1. Overview
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5. Lighting

Roadway lighting

Placeholder / Needs updating
Post-Top Lighting

Lighting at Barrier

Section Through LED Light at Guardrail

Isometric Section Through Sensor and Light
Questions?
Bus Ramps Overview
Bus Ramps Overview
Bus Ramps Overview - Roadway Lighting

Post-Top Lighting

Lighting at Barrier
Bus Ramps Overview - Errant Motorist Protection

Access control gate opens for exiting motorist

EXIT RIGHT TO HARRISON
SB DIRECTION

MUST EXIT USE RIGHT LANE
NB DIRECTION

Anti-Ram Barrier
(Normally lowered)

San Francisco / Oakland Bay Bridge

Transbay Transit Center