



Presentation to TJPA Board Caltrain Downtown Extension and CHSR Project Update

April 22, 2010

Transbay Transit Center

TJPA



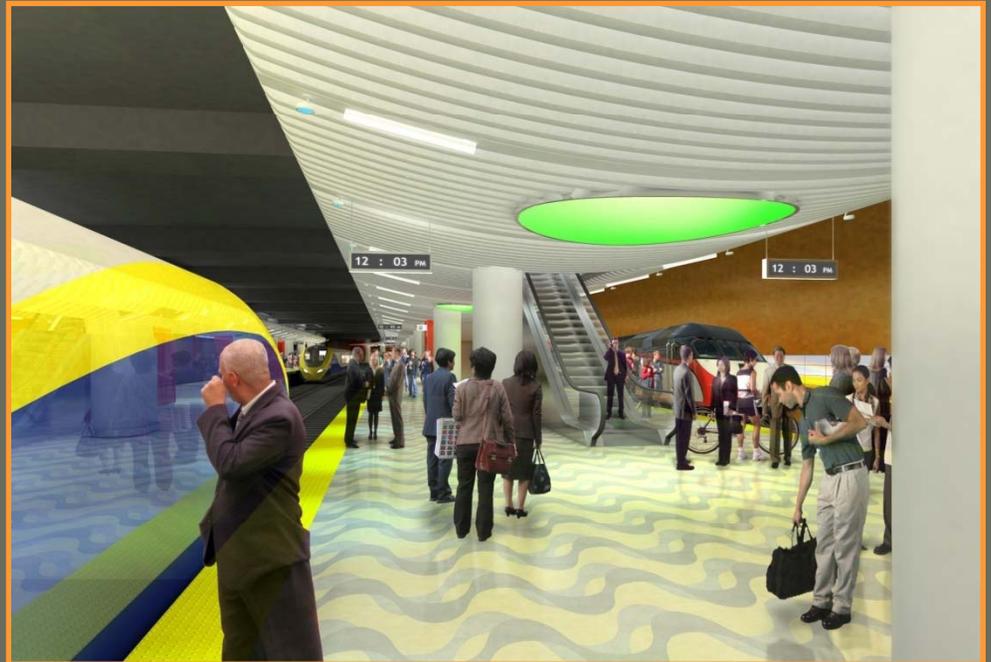


Transbay Transit Center

Caltrain Downtown Extension / CHSR Project

Agenda:

- Preliminary Engineering (PE) Term 2 Update
 - Design Contract Task Progress
 - Operator/Stakeholder Coordination
 - DTX Schedule





Transbay Transit Center

Design Contract Task Progress

- Preliminary Engineering design substantially complete
- 22 months into a 24 month schedule
- Estimated completion in July 2010
- \$9.5 million expended of \$10.71 million budget (89%)
- Budget underrun still expected



Transbay Transit Center

Design Contract Task Progress

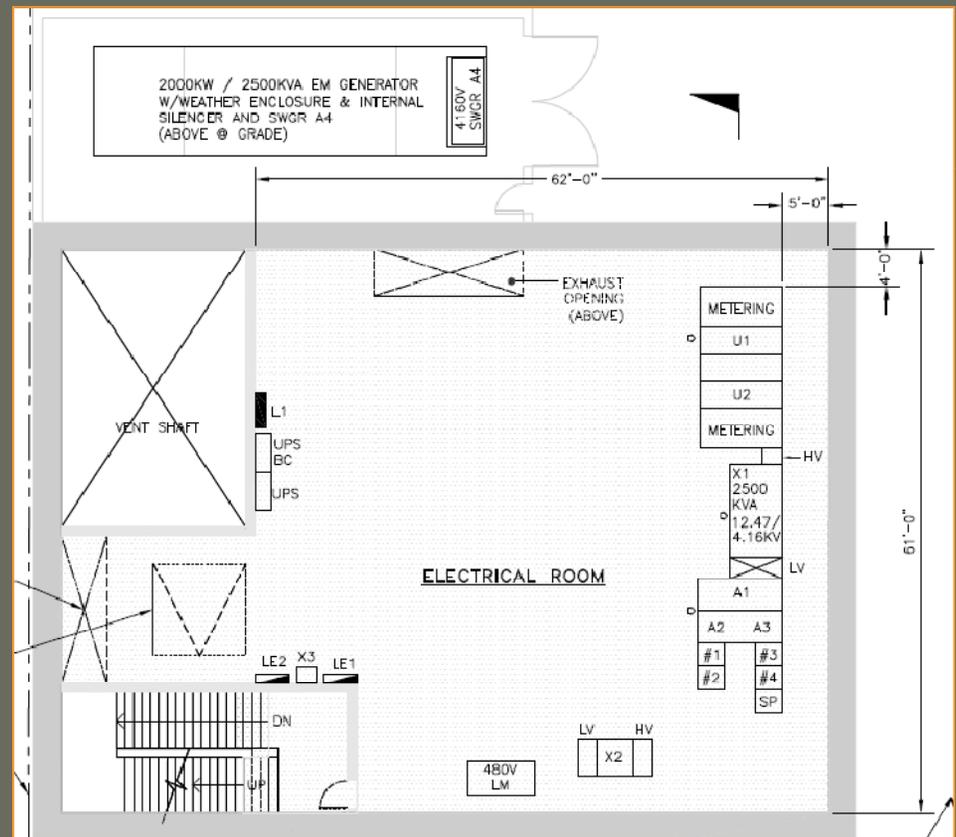
- Submittals Received, Under Review & Reviewed:
 - Task 5 – Sewer Relocation Study
 - Task 5 – Overhead Contact System Plans
 - Task 5 – Electrical Plans
 - Task 5 – Architecture Plans
 - Task 6 – Draft Geotechnical Recommendations Report Cut and Cover Report
 - Task 8 – Cut and Cover Structures Plans and Memorandum
 - Task 9 – Utilities Plans
 - Task 9 – Final Soil and Groundwater Investigation Report
 - Task 9 – Protection of Existing Buildings Technical Memorandum



Transbay Transit Center

Design Contract Task Progress

- Task 5 Electrical
 - Defines electrical requirements for the tunnels and buildings:
 - Equipment:
 - switchgear
 - controllers
 - Lighting
 - Emergency Generator
 - Circuit and Conduit

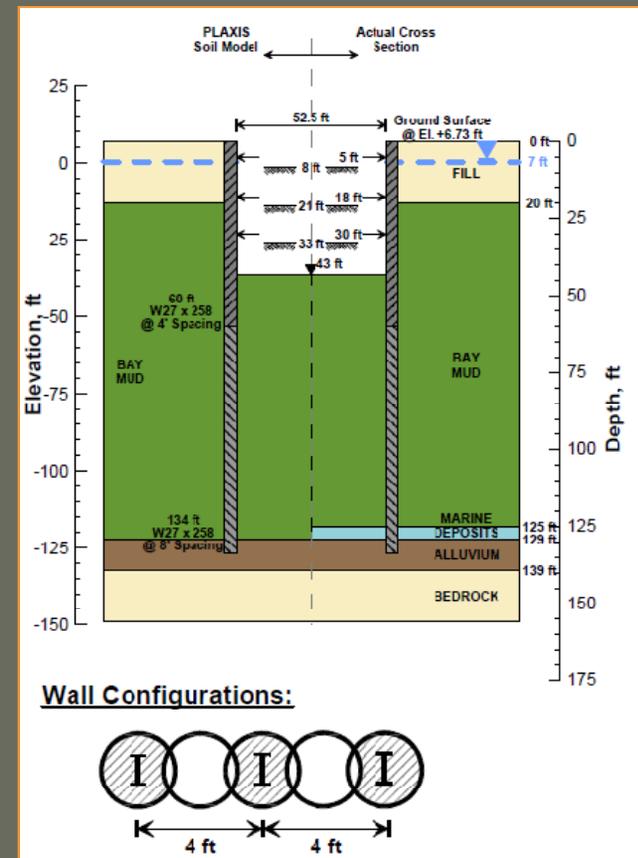




Transbay Transit Center

Design Contract Task Progress

- Task 6 Geotechnical Recommendations Report
 - Provides interpretation of test data
 - Provides recommendations for design of cut and cover structures
 - Soil pressures
 - Groundwater levels
 - Surcharges
 - Recommendations for support of excavation



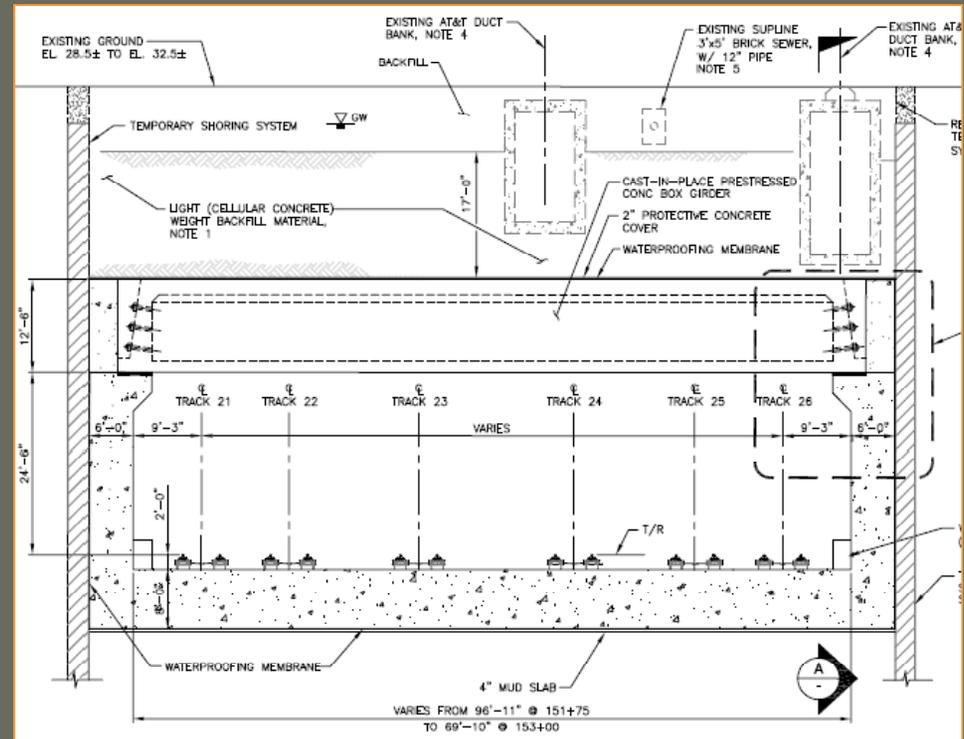


Transbay Transit Center

Design Contract Task Progress

- Task 8 Cut and Cover Structures

- Defines structure size and construction methods
- Tunnels
- Fourth and Townsend Station
- Ventilation Buildings
- Support of Excavation





Transbay Transit Center

Design Contract Task Progress

- Task 9 Protection of Existing Buildings
 - Provides categorization of buildings on DTX alignment
 - Identifies critical buildings
 - Provides preliminary mitigation strategies
 - Identifies protection costs





Transbay Transit Center

Design Contract Task Progress

- Submittals Remaining:
 - Task 1 – Cost Estimate
Draft Cost Estimate submittal anticipated late April
 - Task 11 – Preliminary Engineering Report
Draft PE Report submittal anticipated late May



Transbay Transit Center

Operators & Stakeholders

- CHSRA/Caltrain:
 - Trainbox Configuration
 - Approach curves
 - End stop
 - Platform length & tangency
 - CHSRA Board Meeting April 8, 2010
 - Confirmed that TC can accommodate the HST planned level of service





Transbay Transit Center

Next Steps

- Complete and Close out DTX PE
- Update DTX/Phase 2 budget and construction schedule
- Continue operator/stakeholder coordination



Transbay Transit Center

Questions?

