Overview

- JPB Bridge Replacement Program
- San Mateo Bridge Project Details
- San Mateo Bridge Project Challenges
- Tilton Bridge Replacement
- Next Steps
Caltrain Bridge Program

- Robust Program in Process
  - SF Roadway Bridges
  - Quint Street
  - San Mateo Bridges
  - Los Gatos Creek (future)
- Update on San Mateo Bridges

Project Details-Scope

- Replace 4 existing 112 year old bridges in San Mateo
- Bridge design requires construction of berm supported by new retaining walls
- Track lift through project area to improve roadway clearances
Project Details-Schedule and Budget

- Project Contract awarded in August 2014
- Contract Authority $22.9 m
- Construction began December 2014
- Anticipated completion Summer 2016
- Project preceded by site preparation in the extremely constrained right of way
Project Scope

Project Challenges and Complexity

- Extremely complex site conditions and project requirements
  - Dense vegetation
  - Homes encroaching on ROW
  - Utility relocation/installation (PTC)
  - Caltrain service continuity
  - Temporary road closures
Constrained Right of Way

Project Challenges and Complexity

- Project adapts design and schedule as required to respond to unanticipated conditions
  - Retaining wall modifications
  - Project acceleration to mitigate delays
- Utility relocation and installation minimizes additional efforts required by the UP and PTC project
- Major milestone achieved - Tilton Bridge Replacement
Tilton Bridge Replacement
Demolition of the existing bridge structure

Tilton Bridge Replacement
Installation of Precast Bridge Abutment
Tilton Bridge Replacement
Installation of New Bridge Superstructure

- Bridge replacement completed after revenue service on Friday November 6th through Saturday November 7th
- Bus bridge between Burlingame and San Mateo accommodates passengers during shutdown
- Train 422 operates as scheduled across the new bridge on Sunday November 8th
- Debriefing held to determine lessons learned for the next bridge replacement at Monte Diablo
Next Steps

- Replacement of Monte Diablo Bridge
  December 19th

Questions/comments?