Project Goal

Improve safety by eliminating conflicts between trains and vehicular/pedestrian traffic at crossings between I-380 and San Felipe Avenue in San Bruno.
Project Scope

- Grade Separate Vehicular Grade Crossings
  - Angus Avenue
  - San Mateo Avenue
  - San Bruno Avenue
- Install Pedestrian Underpasses
  - Sylvan Avenue
  - At new Caltrain Station (at San Bruno Avenue)
  - Euclid Avenue

Contracts and Schedule

- Box Culvert Construction Contract
  - Awarded: February 2010
  - Completed: October 2010
- Grade Separation Construction Contract
  - Awarded: July 2010
  - Expected Completion: End of 2013
Project Cost and Funding

- Project Cost Estimate: $147 million
- Funding Sources:
  - Transportation Authority – Measure A
  - Prop 1B/HRCSA
  - PUC 190
  - Statewide Transportation Improvement Program
  - Federal Transit Administration

Construction Progress
Bridge Girder Installation, San Mateo Avenue

Mechanically Stabilized Earth Panels south of Angus Avenue
Lightweight Concrete Placement at New Caltrain Station

Straps at MSE Walls at New Station
Shoofly Tracks & Completed MSE Wall along First Avenue

Partial Installation of Grade Separation (looking north from San Mateo Avenue)
Completed Grade Separation & Shoofly
(looking north from San Mateo Avenue)

Major Challenges
Third-party Utility Delays

Unanticipated Conflicts with Utilities
BART Bypass Structure Redesign:
Tieback Installation

BART Bypass Structure Redesign:
Additional Rebar
Additional Contaminated Material under Existing Tracks

Excavation of Additional Contaminated Material
Impacts of Major Challenges

• Delay of approximately one year to Project Completion Date
• Increase in Construction Contract Amount
  - Required increase in Change Order Authority to cover anticipated Change Orders
  - Potential for an additional increase in Change Order Authority to cover future unanticipated changes
• Increase in Construction Management Costs

Request for Increase in Change Order Authority

• Total Project Cost: $147 million
• Original Construction Contract: $77,699,000
• Current Change Order Authority on the Construction Contract: $7,769,900 (10% of Contract amount)
• Requested Increase in Change Order Authority: $6,000,000 (included in $147 million)
• Project has sufficient budget authority
• No member funds are required