



San Bruno Grade Separation Project

February 7, 2013



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.



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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

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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

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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

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Construction Progress



Bridge Girder Installation, San Mateo Avenue

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**Mechanically Stabilized Earth Panels
south of Angus Avenue**

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Lightweight Concrete Placement at New Caltrain Station

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Straps at MSE Walls at New Station

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Shoofly Tracks & Completed MSE Wall along First Avenue

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

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**Completed Grade Separation & Shoofly
(looking north from San Mateo Avenue)**

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Major Challenges



Third-party Utility Delays



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Unanticipated Conflicts with Utilities



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BART Bypass Structure Redesign: Tieback Installation



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BART Bypass Structure Redesign: Additional Rebar



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Additional Contaminated Material under Existing Tracks



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Excavation of Additional Contaminated Material



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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**

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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**

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