San Mateo Bridges Replacement Project
Replacement of Four 100-Year-Old Rail Bridges
Community Meeting
Monday, June 2, 2014
Overview

• Project Scope
• Advanced Site Prep. Recap
• Bridge Replacement
• Project Schedule
• Next Steps
Project Scope

- Replace existing – span bridges with single span design
- Bridge design requires construction of higher berm supported by new retaining walls
Project Area

Replace Four 100 Year Old Bridges
Background

Why do these bridges need to be replaced?

- Rapidly aging rail bridges
- Do not meet current seismic safety standards
- Replacement needed to ensure continued safe rail operations
- Increased height requirements for vehicle clearance
Advanced Site Prep. Recap
Advanced Site Prep. Recap

• Work began in January 2014
• Removal of trees, bushes and shrubs
  - Cleared trees in conflict with project
  - All trees removed were in direct conflict with the proposed work
• Completed April 1, 2014
Bridge Replacement (Main Contract)
Bridge Replacement

• Design is complete and advertised
• Main Contract in Process
• Construction will begin fall 2014
• Those directly impacted will be contacted individually by Caltrain
Project Elements

- Utility relocations
- Construct retaining wall
- Build earthen berm
- Raise tracks
- Roll in new bridges
- Final paving and street improvements
Retaining Wall

4' WELDED WIRE MESH FENCE

STEEL BEAM PILES, 6' TO 8' ON CENTER

CONCRETE LAGGING

TYPICAL RETAINING WALL ELEVATION
NOT TO SCALE

SOLDIER PILE WALL TYPICAL SECTION
SAN MATEO BRIDGES REPLACEMENT PROJECT

TYPICAL TRACK SECTION

NOT TO SCALE

8' WELDED WIRE MESH FENCE. SEE PHOTO BELOW LEFT.

CALTRAIN PROPERTY LINE

TOP OF WALL

APPROXIMATE EXISTING GROUND AT CALTRAIN PROPERTY LINE (TYPICAL)

WELDED WIRE MESH FENCE

EXISTING TRACK

NEW FILL

FINAL GRADE

SLOPE

PROPOSED WALL

TYPICAL EXISTING GRADES AND SLOPES IN THE PROJECT AREA

4' AVERAGE TRACK RAISE

RAISED TRACK
Construction

- Fall 2014 to Fall 2016
- Lane closures and some parking restrictions during construction of berm
- Most work from 7 AM – 7 PM, Monday – Friday
- Some work (rail and bridge roll ins) at night and on weekends
Roll In/Roll Out Of Bridges

• New bridge assembled on site
• Roll in/roll out during a single weekend
• Old bridge demolished after roll in
Temporary Road Closures – late 2015 into 2016

- Poplar: Closed up to 8 weeks during bridge change out
- Monte Diablo: Closed up to 8 weeks during bridge change out
- Santa Inez: Closed up to 8 weeks during bridge change out
- Tilton: Closed up to 8 weeks during bridge change out
# Project Schedule

<table>
<thead>
<tr>
<th>San Mateo Bridges Construction</th>
<th>2014</th>
<th></th>
<th>2015</th>
<th></th>
<th>2016</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>S</td>
<td>O</td>
<td>N</td>
<td>D</td>
<td>J</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contract Award</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobilization</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laydown Lot at Hayward Park and</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bay Meadows</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Retaining Wall Construction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lane/sidewalk closures - RR Ave</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Santa Inez/Bellevue</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track Raise</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-Track Equipment - minimal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>off-property impact</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Substructure Construction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lane/Sidewalk closures @ each</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>abutment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bridge fabrication</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All work Off-Stie</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tilton Closed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete street closure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monte Diablo Closed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete street closure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Santa Inez Closed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete street closure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poplar Closed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete street closure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Trackwork</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-Track Equipment - minimal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>off-property impact</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Demobilization</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Community Outreach to Date

- Community meetings – 5/2/13; 11/14/13; today
- Public Works Commission – 7/10/13
- Notification Process
  - Notices/mailers
  - News releases
  - Emails to key stakeholders
  - Door-to-door communication
  - Write-up in HANCSM newsletter/blog
  - Special project Web page www.caltrain.com/SMBridges
  - Social media (Facebook & Twitter)
  - New online discussion group (Google)
  - Responses to individual public requests and questions
Community Input

Primary Neighborhood Concerns

• Lighting
  - Abutment Lighting to be constructed

• Graffiti Abatement / Dumping
  - To be addressed by City of San Mateo

• Property Impacts - Traffic/Parking Access
  - All measures to mitigate impact have been taken
Property Impacts

- No property acquisitions needed
- Streets will be closed at each bridge
  - Maximum Duration: 60 days
  - Some driveways/parking blocked
  - Impacted parties will be contacted directly by Caltrain
Street Lighting
Next Steps

- Award of construction contract August 2014
- Caltrain will contact those directly impacted
- Next community meeting prior to construction
  - September / October 2014
- Ongoing outreach via electronic notification and mailed updates
- Next outreach meeting following completion of retaining wall construction and prior to street closures and bridge construction.
  - Early Summer 2015
Contact Information

- www.caltrain.com/SMBridges
  - Subscribe to updates
- Google Groups - caltrainsmbridges
- Email: smbridges@caltrain.com
- Construction Outreach Hotline: 650.508.7726