San Mateo Bridges Replacement Project
Replacement of Four 100-Year-Old Rail Bridges

Community Meeting
Thursday, July 9, 2015
Overview

• Project Scope
• Bridge Replacement
• Neighborhood Impacts
• 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
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
Project Elements

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

• Fall 2014 to Fall 2016
• Lane closures and parking restrictions during first phase of construction
• Complete street closures during second phase
• Most work from 7 AM – 5 PM, Monday – Friday
• Some work (major rail work and bridge roll-ins) at night and on weekends (24 weekends total)
• Vector Control program to be implemented
Retaining Wall – In Progress

TYPICAL RETAINING WALL ELEVATION
NOT TO SCALE

SOLDIER PILE WALL TYPICAL SECTION
NO SCALE
Neighborhood Impacts

- New retaining wall located 18” from property line
- All work performed from Caltrain property
- Significant potential for damage to poor condition fences
  - Properties with damaged fences are being protected with temporary fencing during construction
  - Damaged fences will be reconstructed on the property line at the end of construction.
Track Raise – Late Summer 2015

- Track to raise a maximum 4’ - 6”
- Total duration: 2 months
- Primarily weekend work
- Will start immediately after completion of retaining walls
Street Closures
Bridge Replacements
Temporary Road Closures – Winter 2014 to Spring 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
Temporary Road Closures

- **Safety**
  - Heavy equipment moving in area
  - Uneven walking surfaces
  - Follow directions of workmen and flaggers during work hours

- **Partial Closures**
  - Duration of project, frequently changing
  - One vehicular lane and One pedestrian lane minimum
  - Flaggers present to control traffic through restrictions
  - Parking Restrictions

- **Complete Closures**
  - No through access
  - Local pedestrian access maintained at all times
  - Some local vehicular access
Detour Map – Tilton Avenue
Detour Map – Monte Diablo Avenue
Detour Map – Santa Inez Avenue
Detour Map – Poplar Avenue

- Work Zone
- Detour Route
- Road Closure Limit
- Through Traffic Closure
City Services

• Caltrain/City coordination – police and fire
• Recology – trash pick-up
• Street sweeping
Roll In/Roll Out Of Bridges
Summer - Winter 2015

- New bridge assembled on site
- Roll in/roll out during a single weekend
- Old bridge demolished after roll in
Final Track Work

- Following Poplar Avenue Bridge Replacement
- 3 weekends of around-the-clock work
- All streets will be open
# Project Schedule

<table>
<thead>
<tr>
<th>San Mateo Bridges Construction</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract Award</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobilization</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Retaining Wall Construction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track Raise</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Substructure Construction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bridge Fabrication</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tilton Closed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monte Diablo Closed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Santa Inez Closed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poplar Closed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Trackwork</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Demobilization</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Community Outreach to Date

- Community meetings
- Public Works Commission meetings
- Notification Process
  - Notices/mailers
  - News releases
  - Weekly email notifications to residents/key stakeholders
  - Door-to-door communication
  - Write-up in HANCSM newsletter/blog
  - Special project Web page [www.caltrain.com/SMBridges](http://www.caltrain.com/SMBridges)
  - Social media (Facebook & Twitter)
  - Online discussion group (Google)
  - Responses to individual public requests and questions
Next Steps

- Ongoing outreach via electronic notification and mailed updates
Contact Information

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