ACEforward

The new regional initiative to improve our connection between the Central Valley and the Bay Area

ACEforward
Alternatives Analysis and Development

SJRRRC Board Meeting – April 4, 2014
1. Alternatives Development and Analysis
   - Program level improvements
   - Project level improvements
   - Project-wide grade crossing evaluation

2. Project Schedule
Bay Area

Legend
- Existing Route
- Public Grade Crossing
- Potential New Route
- Existing Hub
- Existing Station
- Potential New Station
- BART Station - Existing & Future
- Existing BART Alignment
- BART Warm Springs Extension (Under Construction)
- BART Berryessa Extension (Under Construction)
- BART Silicon Valley Extension Future Phase
- Caltrain
- Potential Dumbarton Project (by Caltrain)
- Capitol Corridor

Potential Improvements
- Station Modifications
- Project-level Analysis
- Programmatic Analysis
- Programmatic Analysis and Project-Level Analysis by Others

* Several possible project-level improvements have been identified in Niles Canyon and at Niles Junction. The Alternatives Analysis will include program-level preliminary evaluation of these improvements.
Tri Valley and BART Connectivity

Legend:
- Existing Route
- Public Grade Crossing
- Potential New Route
- Existing Station
- Potential Station
- BART Station
- BART Alignment
- Existing Bus Connection

Potential Improvements:
- Station Modifications
- Project-level Analysis
- Programmatic Analysis

* Several possible project-level improvements have been identified in Niles Canyon and at Niles Junction. The Alternatives Analysis will include program-level preliminary evaluation of these improvements.
MANTECA
ACE corridor outside of the UPRR ROW
Manteca to Modesto – Overhead Structures

Manteca to Modesto Overhead Structures Rebuilt with the Out of UPRR Option
Alternatives in this area are under development
Grade Crossing Improvements

- CPUC Approval
- Diagnostic Reviews
- Sealed Corridor (Supplemental Safety Measures)
- Wayside Horn
“Sealed Corridor” – Raised Medians

- No intersections or commercial driveways within 60’
- Raised medians must be at least 100’ in length, or 60’ if an intersection within 100’
“Sealed Corridor”— Channelization Devices

- At least three and one-half inches in height
- Affixed with vertical panels or tubular delineators
“Sealed Corridor” – Four-Quadrant Gates
Wayside Horns

Train will not sound horn.
Sunol Area Noise Impacts – dBA Contours with Wayside Horn

Bond Street

Main Street

70 db

80 db

90 db

Google Earth
Salida Noise Impacts –
dBA Contours with Train-mounted Horn
Salida Noise Impacts – dBA Contours with Wayside Horn

Kiernan Avenue

Broadway Avenue
Castlewood Area Noise Impacts – dBA Contours with Train-mounted Horn

Private Golf Crossing

Castlewood Drive
Castlewood Area Noise Impacts – dBA Contours with Wayside Horn

Private Golf Crossing

Castlewood Drive
## ACEforward FY 2013/2014 Work Products and Target Dates

<table>
<thead>
<tr>
<th>Product</th>
<th>Target Date</th>
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<tbody>
<tr>
<td>Stakeholder and Public Outreach</td>
<td>Ongoing</td>
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<tr>
<td>NOI/NOP Release</td>
<td>June / October 2013</td>
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<tr>
<td>Scoping Period (Extended)</td>
<td>July / November 2013</td>
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<tr>
<td>Scoping Summary Report</td>
<td>February 2014</td>
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<tr>
<td>Ridership and Revenue &amp; Benefits Analysis</td>
<td>April 2014</td>
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<tr>
<td>Alternatives Analysis</td>
<td>June 2014</td>
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<tr>
<td>Draft EIS/EIR</td>
<td>June 2015</td>
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<tr>
<td>Final EIS/EIR</td>
<td>February 2016</td>
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### ACEforward Schedule

<table>
<thead>
<tr>
<th>Project Inception</th>
<th>2013 Q1</th>
<th>2014 Q1</th>
<th>2015 Q2</th>
<th>2016 Q3</th>
<th>2017 Q4</th>
<th>2018 Q1</th>
<th>2019 Q2</th>
<th>2020 Q3</th>
<th>2021 Q4</th>
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<tbody>
<tr>
<td>Outreach/Stakeholder Coordination/Management Services</td>
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<tr>
<td>Project Definition</td>
<td>Alternatives Analysis/Ridership/Benefits</td>
<td>2014 Q2</td>
<td>2015 Q1</td>
<td>2016 Q4</td>
<td>2017 Q1</td>
<td>2018 Q2</td>
<td>2019 Q3</td>
<td>2020 Q4</td>
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<td>Draft and Final EIS/EIR (Program/Project)</td>
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<td>Stockton to San Jose Improvements (6 ACE Trains)</td>
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<td>Extension to Modesto</td>
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<td>Stockton to San Jose Improvements (10 ACE Trains)</td>
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**Key**

- Project Inception
- Outreach/Stakeholder Coordination/Management Services
- Project Definition
- Preliminary Design & Environmental
- Design & Permits
- Construction
Next Steps

- Initial Ridership and Revenue Forecasts
- Further Screening of Niles Canyon/Fremont Area Alternatives
- Grade Crossing Improvement Projects to Improve Safety and Reduce Noise
- Draft Financing Plan

Contact

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