Rail Strategy Study Objectives

Bring prior studies and plans together to understand needs, opportunities, and issues for freight and passenger rail in Alameda County.

• Support strategies to expand passenger rail
• Maximize benefit of freight rail for local economy
• Identify a package of high priority investments that support both rail and community needs considering
  ➢ Congestion reduction
  ➢ Economic development opportunities
  ➢ Emissions reduction and environmental sustainability
  ➢ Safety
• Develop a countywide grade crossing framework
Rail Grade Crossing Framework

Factors Analyzed for Grade Crossings

<table>
<thead>
<tr>
<th>Quantitative Factors</th>
<th>Qualitative Factors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety</td>
<td>Communities of Concern</td>
</tr>
<tr>
<td>Delay</td>
<td>Priority Development Areas</td>
</tr>
<tr>
<td>Emissions</td>
<td>Sensitive Land Uses</td>
</tr>
<tr>
<td>Noise</td>
<td></td>
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</tbody>
</table>
Trespass Analysis

Near Tennyson Road, Hayward

Draft Prioritization Results
Draft Scoring Methodology

<table>
<thead>
<tr>
<th>Total Social Cost**</th>
<th>Residential Noise Index</th>
<th>PDA Growth</th>
<th>Community of Concern</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-60 points</td>
<td>0-20 points</td>
<td>0-10 points</td>
<td>0 or 10 points</td>
</tr>
</tbody>
</table>

Maximum = 100 points
Tier 1 = 60 points

**social cost includes collisions, delay, and emissions

Draft Tier 1 Crossings

Map showing draft Tier 1 crossings in Alameda County, California.
Draft Tier 1 Corridors

Application Options
Rail Coalition Example – Freight Action Strategy (Washington)

- Partnership of ports, railroads, trucking industry, and public sector agencies

Rail Coalition Example – Alameda Corridor East (San Gabriel Valley)

- Operates as a JPA within the San Gabriel Valley COG
Implementation Next Steps & Options

- Compare our findings to UPRR grade crossing analysis
- Meeting with individual cities to discuss Tier 1 list
- Alameda CTC involvement options:
  - Facilitator role with jurisdictions, UPRR, and PUC
  - Manage project identification and initial development for large projects in Tier 1 corridors/crossings
- Rail safety education in SR2S program

Rail Safety Education

Alameda CTC SR2S
Operation Life Saver (OIJ)
Recommended Action

• Approve the grade crossing prioritization framework; and approve of staff using the prioritization results to advance a joint advocacy and improvement program.