

## Alameda CTC Rail Strategy Study: Grade Crossing Prioritization Strategy

Planning, Policy and Legislation Committee  
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### 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

Assessment and prioritization



Grade crossing toolkit

## Factors Analyzed for Grade Crossings

### Quantitative Factors

Safety



Delay



Emissions



Noise



### Qualitative Factors

Communities of Concern



Priority Development Areas



Sensitive Land Uses



## Trespass Analysis



Near Tennyson Road, Hayward



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## Draft Prioritization Results



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## Draft Scoring Methodology



Total Social Cost**	Residential Noise Index	PDA Growth	Community of Concern
0-60 points	0-20 points	0-10 points	0 or 10 points

Maximum = 100 points  
Tier 1 = 60 points

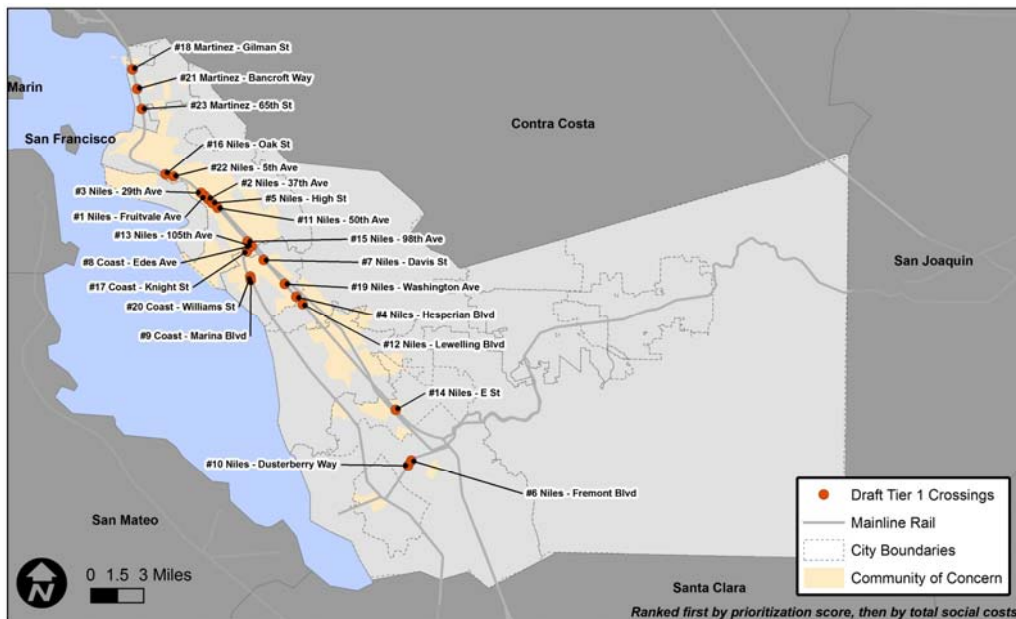
*\*\*social cost includes collisions, delay, and emissions*



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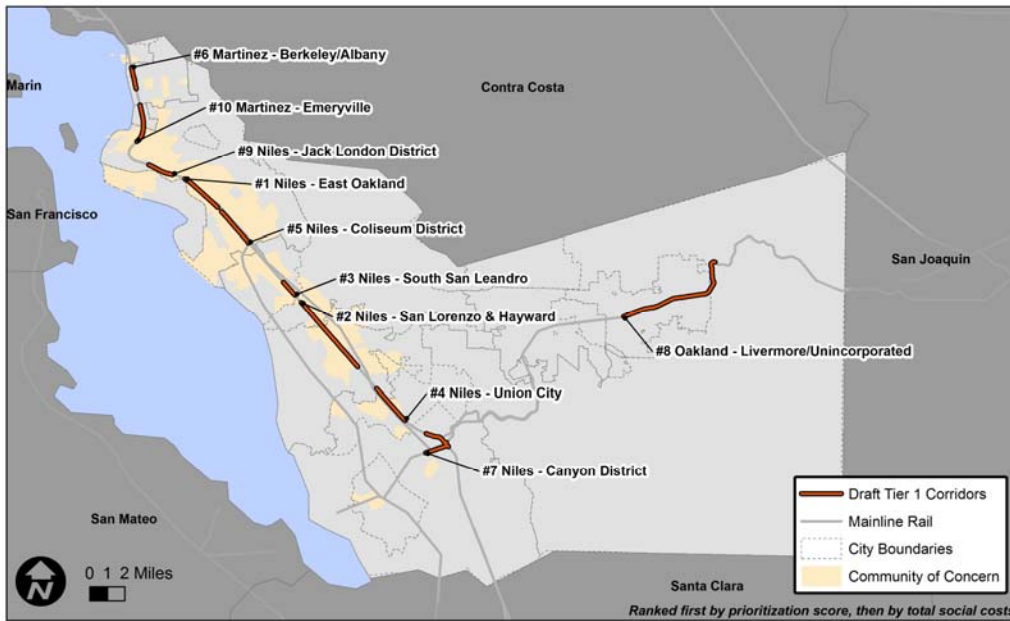
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## Draft Tier 1 Crossings



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## Draft Tier 1 Corridors



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## Application Options



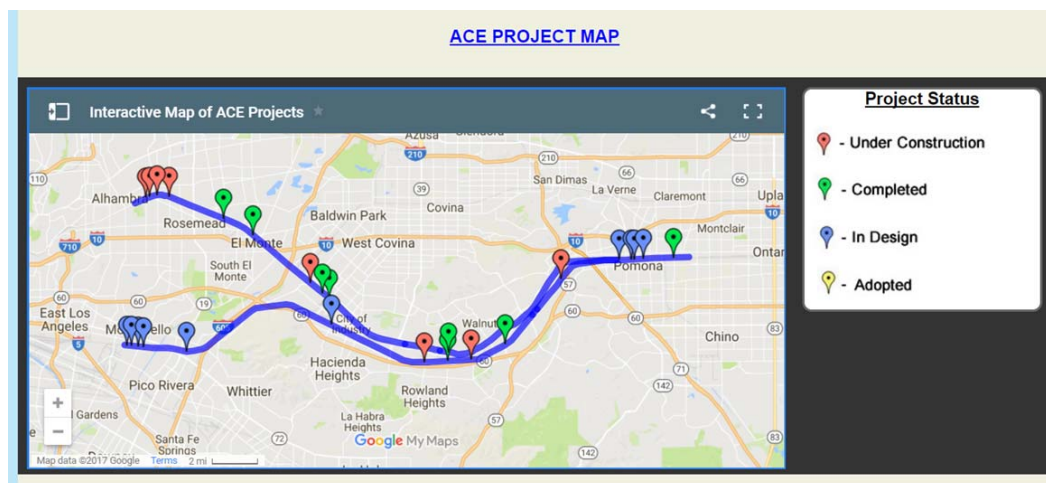


## Rail Coalition Example – Freight Action Strategy (Washington)

- 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 (OLI)



## Recommended Action

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

