

NORTHERN CALIFORNIA REGION

Local Policy Maker Group

April 25, 2019



CALIFORNIA
High-Speed Rail Authority

MEETING AGENDA

**Introduction from
the Regional
Director**

**Environmental
Justice Analysis**

**Safety & Security
Characteristics of
High-Speed Rail**

**Preferred
Alternative
Engagement
Update**

Introductions

Environmental Justice

HSR Characteristics

PA Engagement

ENVIRONMENTAL JUSTICE

Rich Walter, ICF

PREFERRED ALTERNATIVE PROCESS



ENVIRONMENTAL JUSTICE ANALYSIS

Regulatory Considerations

■ **Federal**

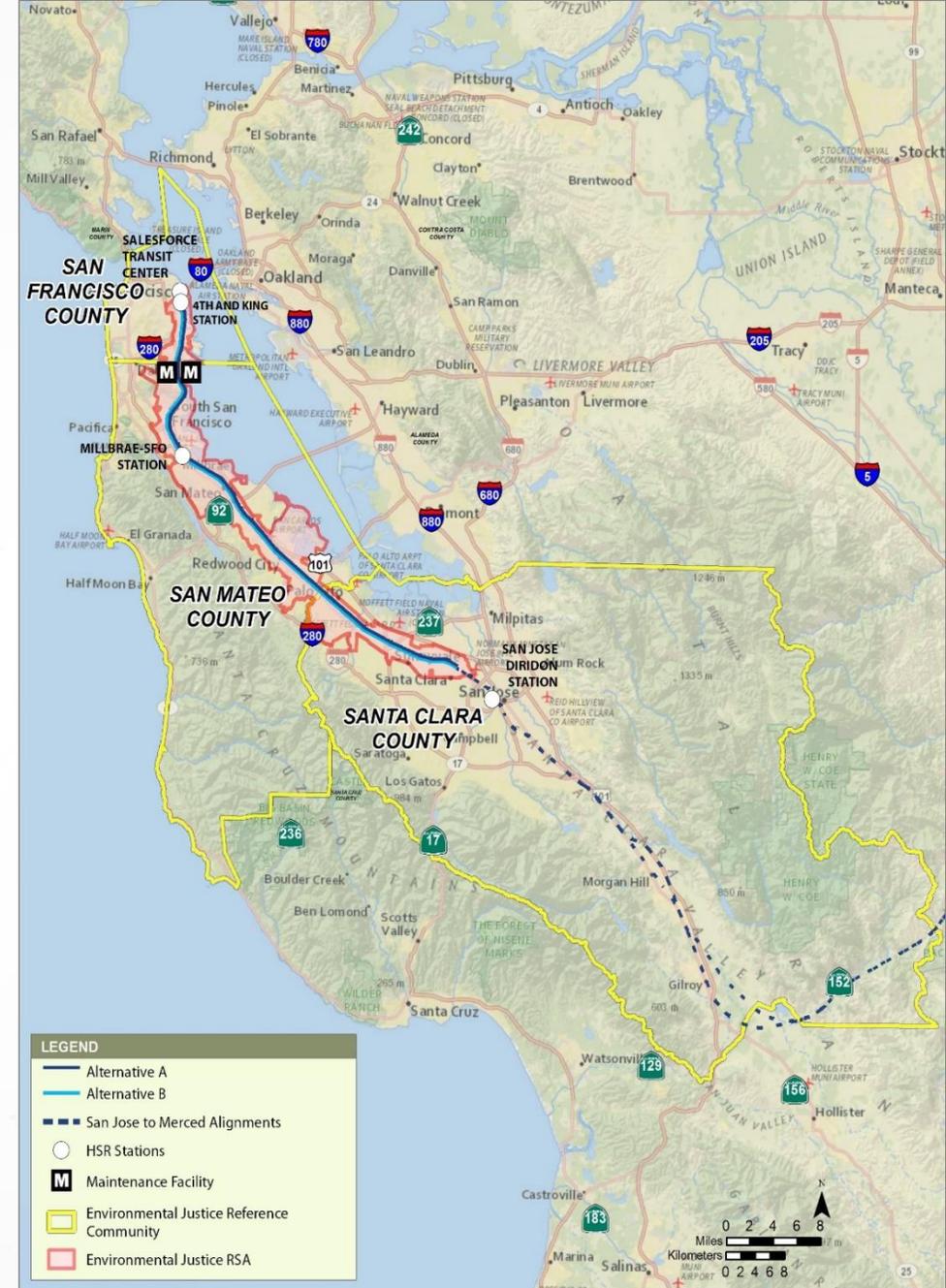
- Title VI of the Civil Rights Act (42 U.S.C. § 2000(d) et seq.)
- Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations (USEO 12898)
- Presidential Memorandum Accompanying USEO 12898
- Actions to Address Environmental Justice in Minority Populations and Low-Income Populations (USDOT Order 5610.2(a))
- Uniform Relocation Assistance and Real Property Acquisition Policies Act (42 U.S.C. § 61)

■ **State**

- California Gov. Code Section 11135(a), 11136
- California Gov. Code 65040.12(e)

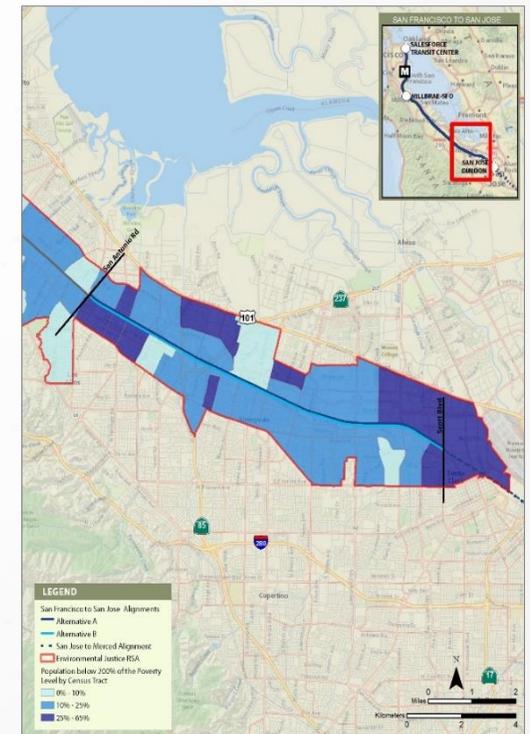
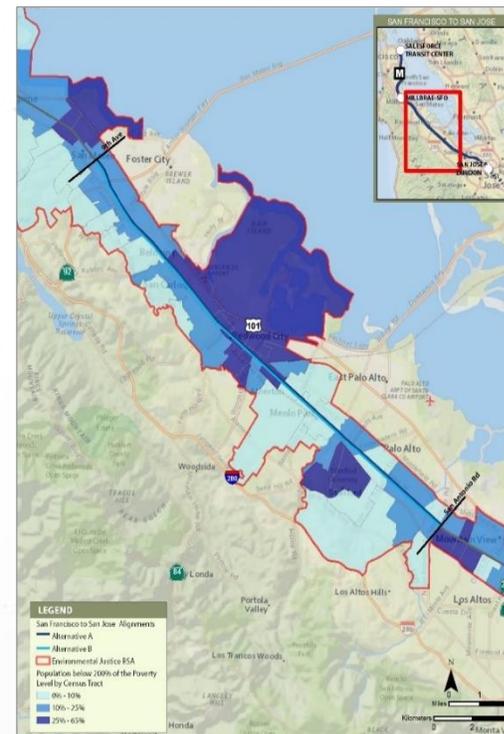
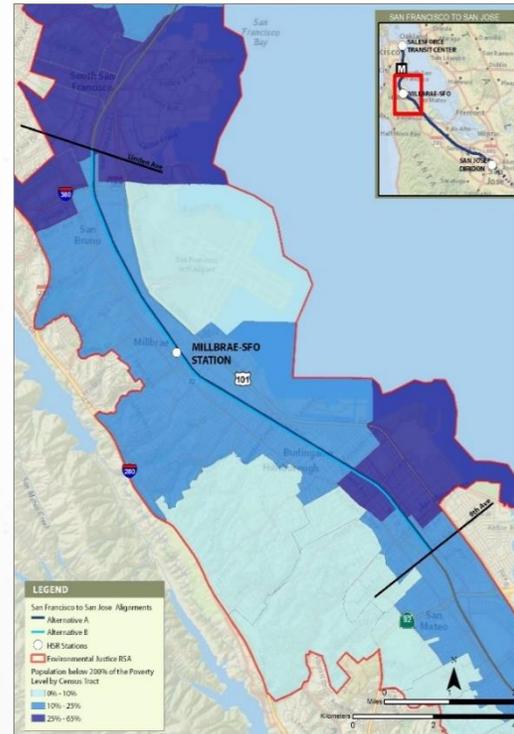
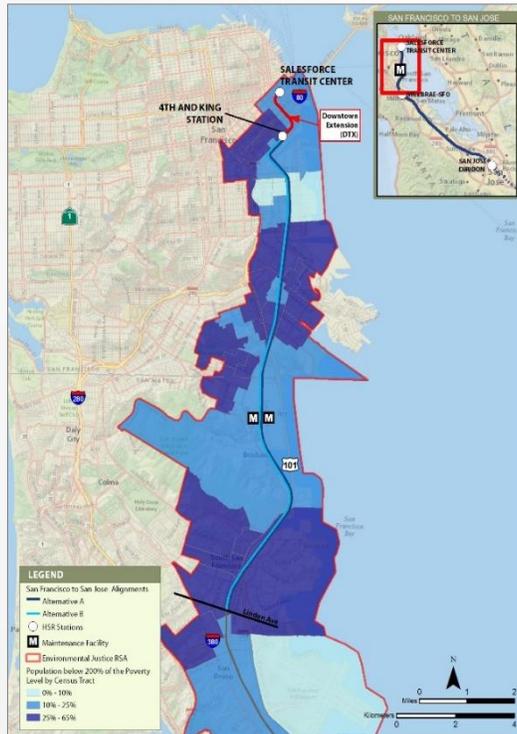
ENVIRONMENTAL JUSTICE EXISTING CONDITIONS

- Identify Resource Study Area (RSA).
- Identify Reference Community



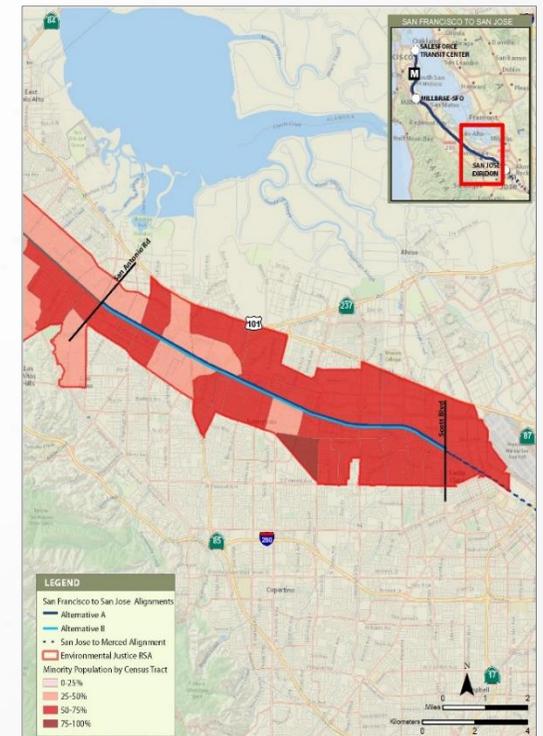
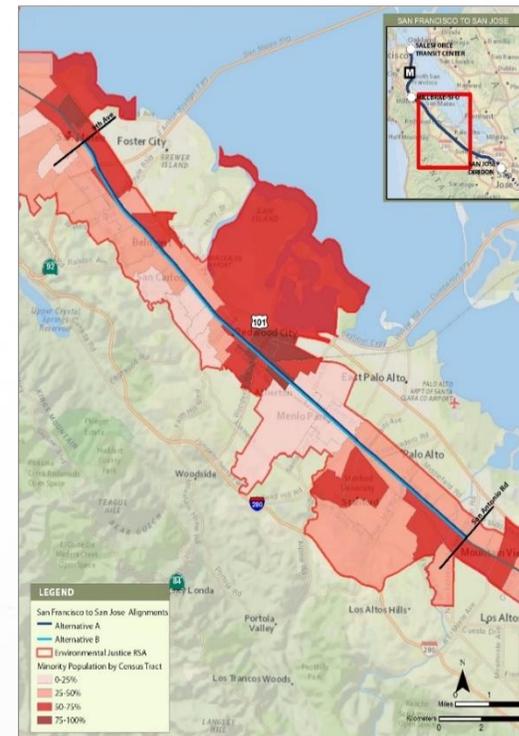
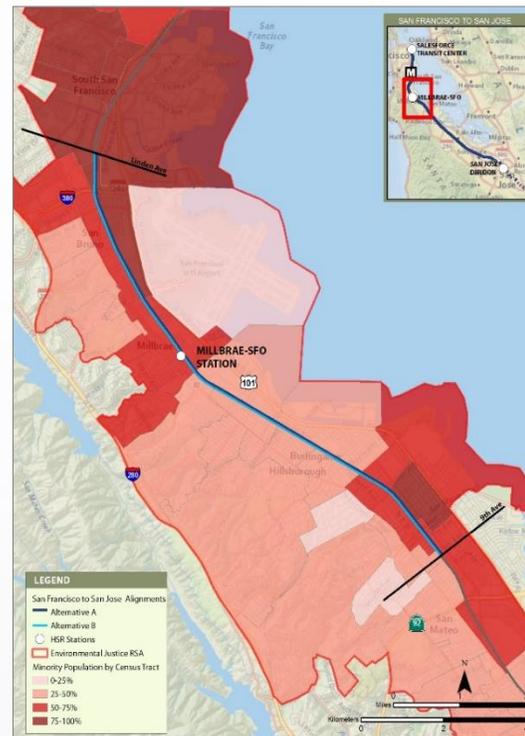
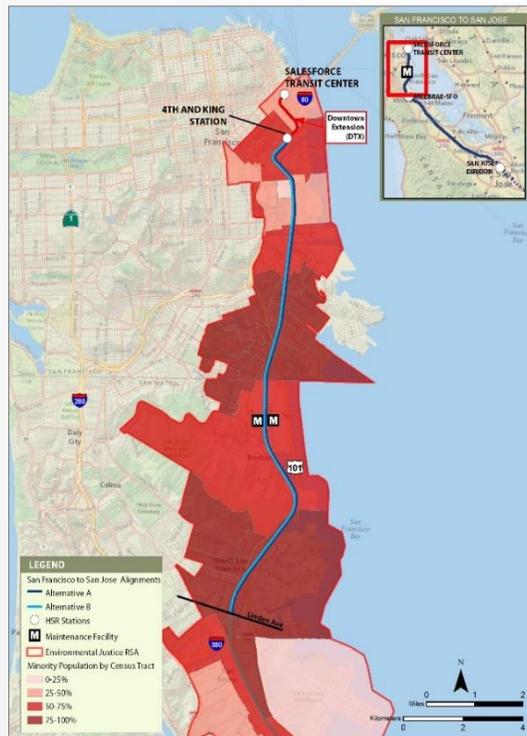
ENVIRONMENTAL JUSTICE EXISTING CONDITIONS

- **Identify low-income populations within resource study area** = persons with household incomes at or below 200 percent of the poverty guidelines.



ENVIRONMENTAL JUSTICE EXISTING CONDITIONS

- Identify minority populations within resource study area = American Indian and Alaskan Native, Asian, Black or African American, Hispanic or Latino, and Native Hawaiian and other Pacific Islander

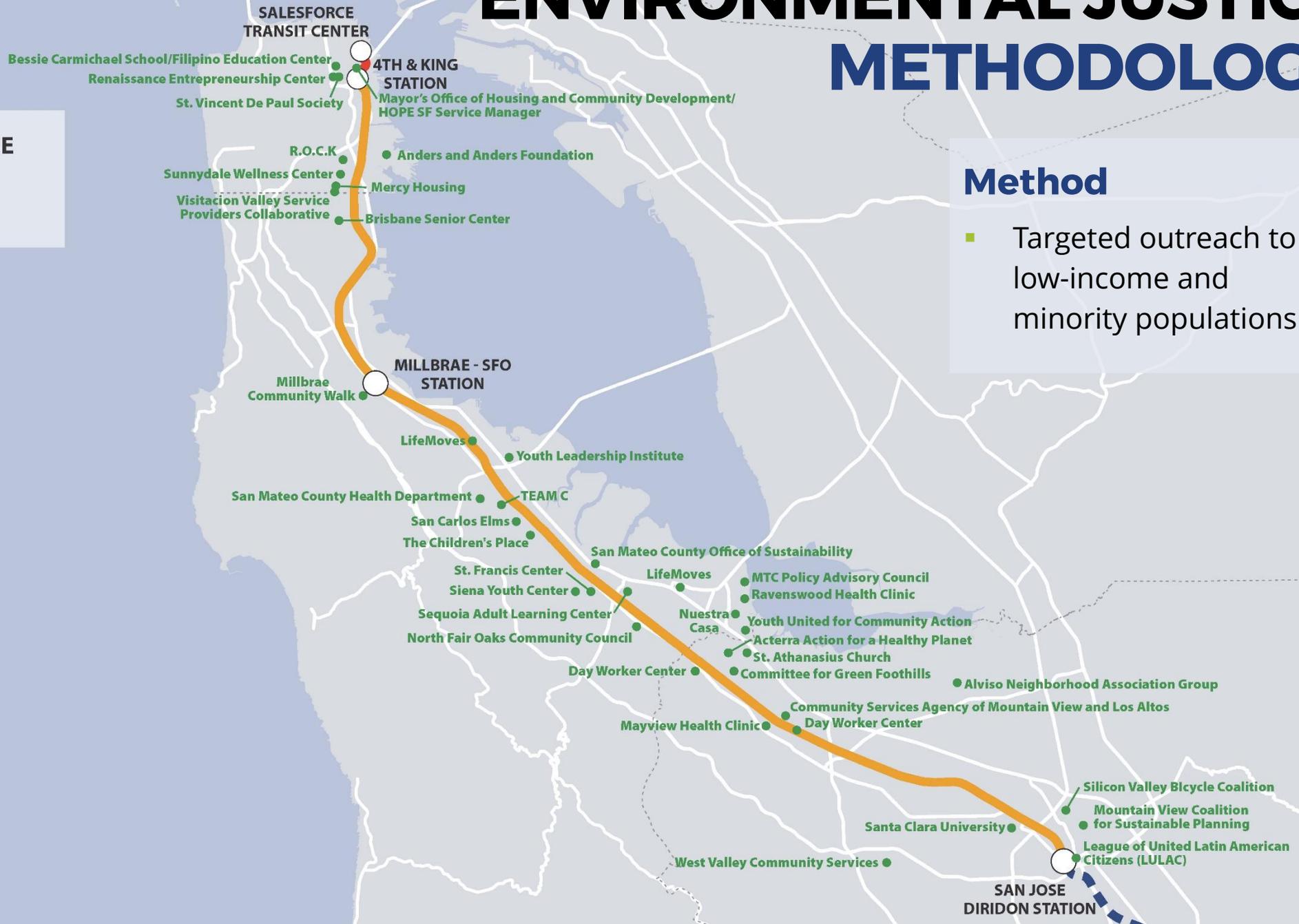


ENVIRONMENTAL JUSTICE METHODOLOGY

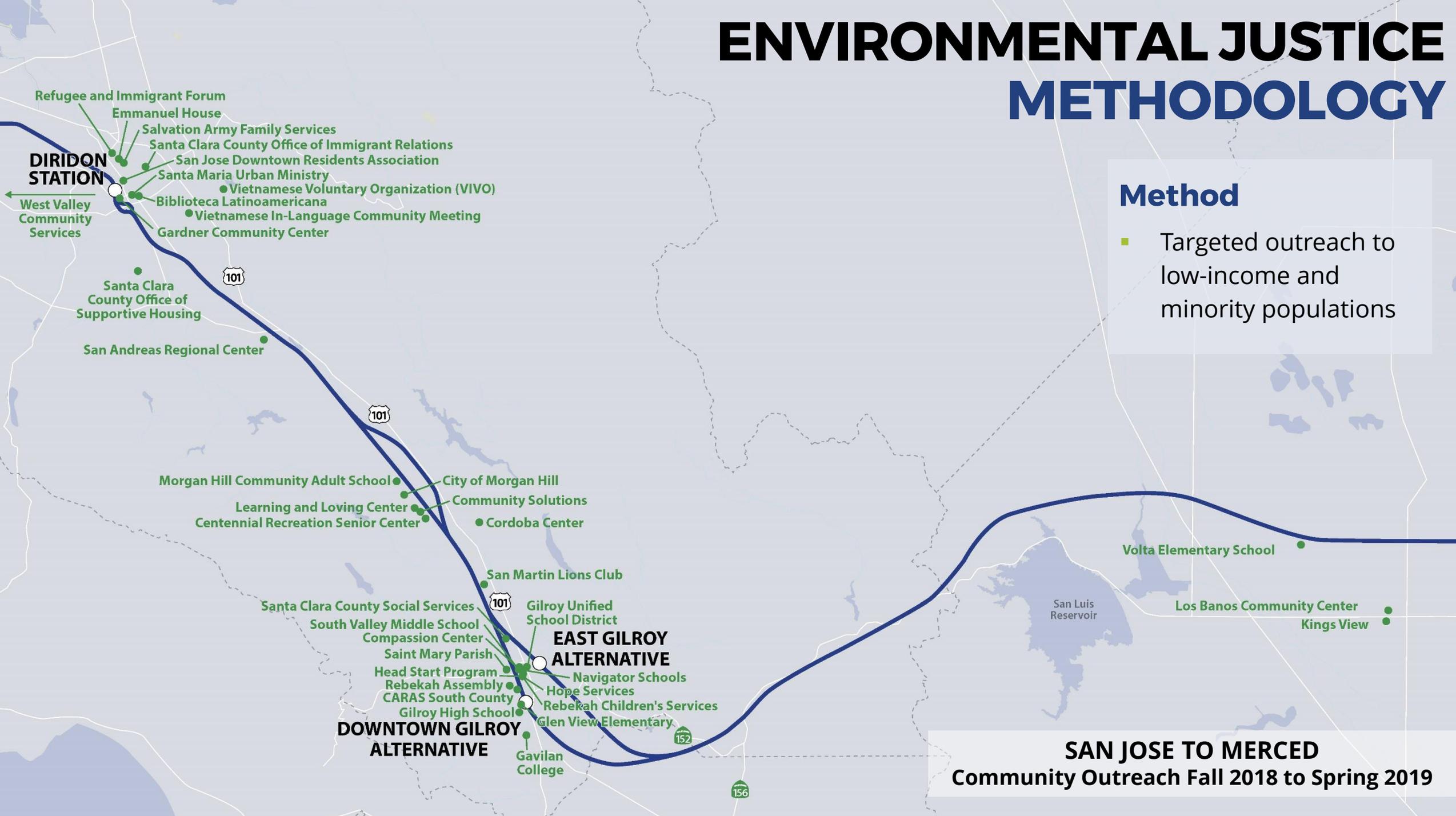
SAN FRANCISCO TO SAN JOSE
Community Outreach
Fall 2018/Winter 2019

Method

- Targeted outreach to low-income and minority populations



ENVIRONMENTAL JUSTICE METHODOLOGY



Method

- Targeted outreach to low-income and minority populations

DIRIDON STATION

West Valley Community Services

- Refugee and Immigrant Forum
- Emmanuel House
- Salvation Army Family Services
- Santa Clara County Office of Immigrant Relations
- San Jose Downtown Residents Association
- Santa Maria Urban Ministry
- Vietnamese Voluntary Organization (VIVO)
- Biblioteca Latinoamericana
- Vietnamese In-Language Community Meeting
- Gardner Community Center

Santa Clara County Office of Supportive Housing

San Andreas Regional Center

- Morgan Hill Community Adult School
- City of Morgan Hill
- Learning and Loving Center
- Community Solutions
- Centennial Recreation Senior Center
- Cordoba Center

San Martin Lions Club

- Santa Clara County Social Services
- South Valley Middle School
- Compassion Center
- Saint Mary Parish
- Head Start Program
- Rebekah Assembly
- CARAS South County
- Gilroy High School
- Gilroy Unified School District
- Navigator Schools
- Hope Services
- Rebekah Children's Services
- Glen View Elementary
- Gavilan College

EAST GILROY ALTERNATIVE

DOWNTOWN GILROY ALTERNATIVE

Volta Elementary School

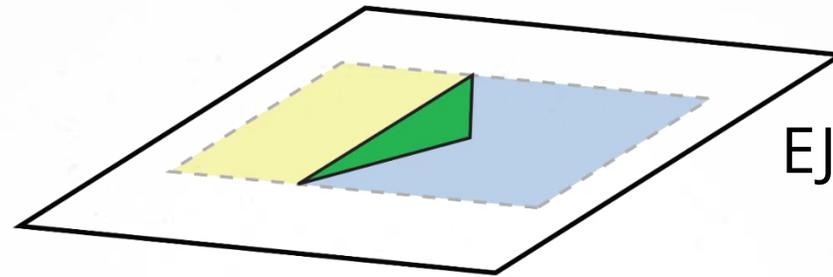
Los Banos Community Center
Kings View

SAN JOSE TO MERCED
Community Outreach Fall 2018 to Spring 2019

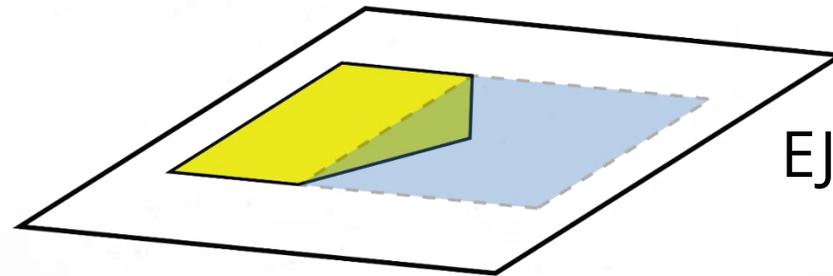
ENVIRONMENTAL JUSTICE METHODOLOGY

Method

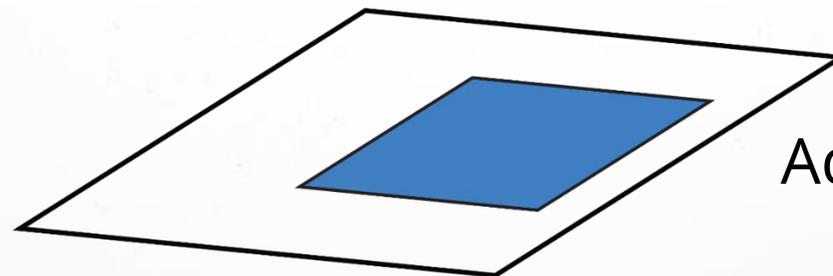
- Use impact analysis methodologies
- Identify specific impacts to low-income and minority populations through overlay of impacts on identified locations



EJ Populations + Impacts



EJ Populations



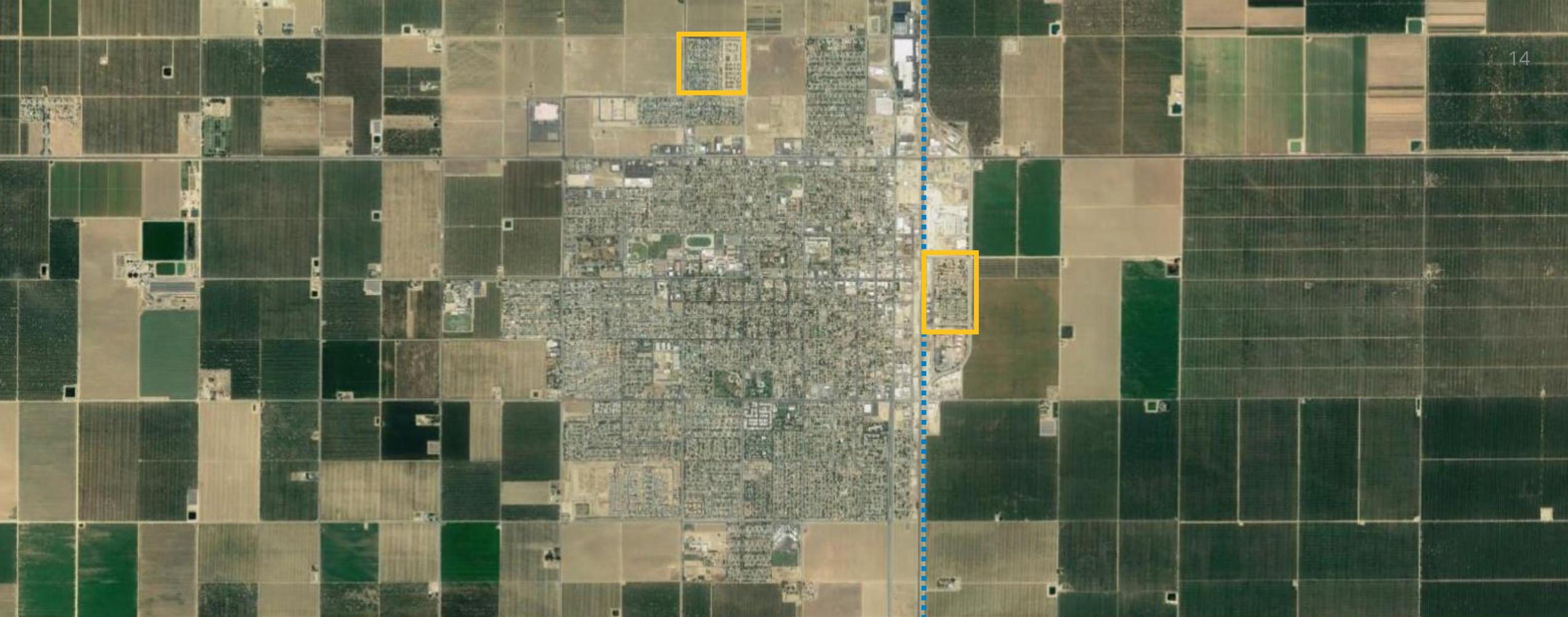
Adverse & Beneficial Impacts

IMPACT AVOIDANCE, MINIMIZATION & MITIGATION

Measures Applied from other Analyses:

- **Traffic**
 - Construction Management Plan
 - Intersection improvements
 - Emergency vehicle detection, etc.
- **Noise/Vibration**
 - Construction measures
 - Noise barriers
 - Building sound insulation





CASE STUDY: ROSELEDA VILLAGE, WASCO

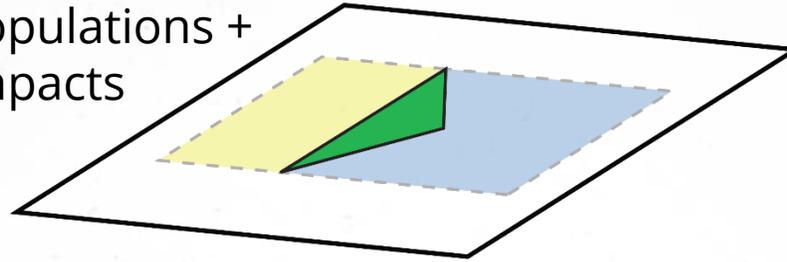
- 17 acres
- >200 units
- \$10 million HSR allocation in lieu of in-place mitigation

DISPROPORTIONATE IMPACTS

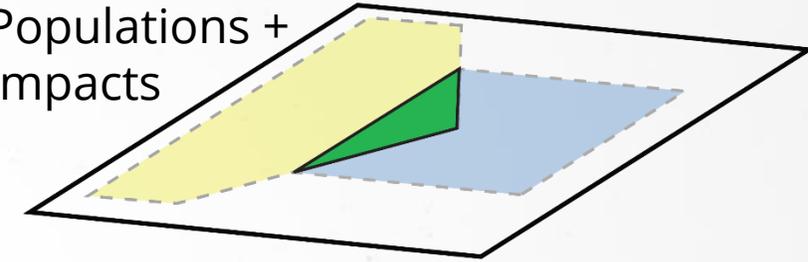
Determination

- Identify impacts to reference population
- Compare to impacts to low-income and minority populations
- Determine if impacts are disproportionately high and adverse in EJ populations as compared to impacts to reference population
- If $3A/2A > 3B/2B \rightarrow$ disproportionate
- If $3A/2A \leq 3B/2B \rightarrow$ not disproportionate

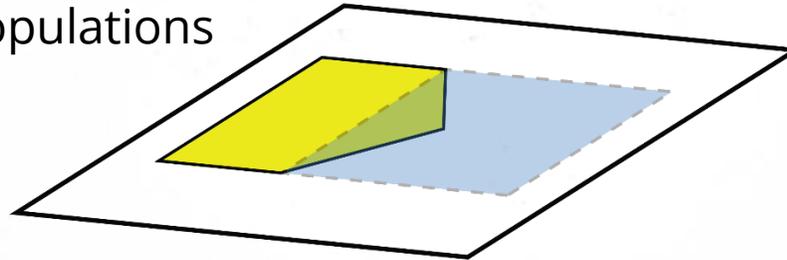
3A - EJ
Populations +
Impacts



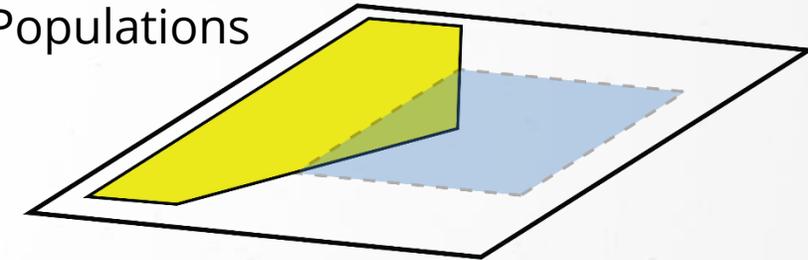
3B - Reference
Populations +
Impacts



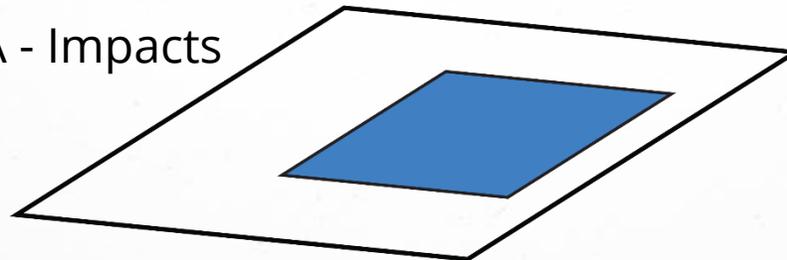
2A - EJ
Populations



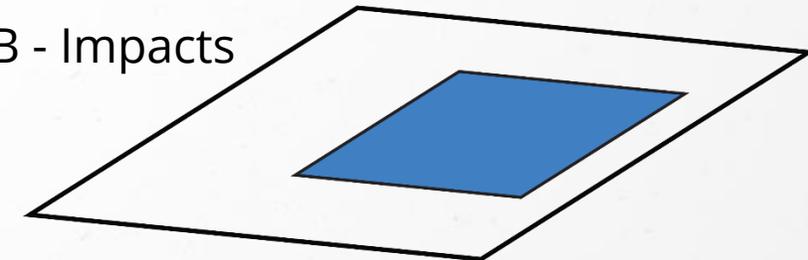
2B - Reference
Populations



1A - Impacts



1B - Impacts



ENVIRONMENTAL JUSTICE ANALYSIS

Where will I find the information and analysis?

- **Technical Reports**

- Technical Resource Reports: Agricultural Farmland, Aesthetics and Visual Quality, Relocation Impact Report, Community Impact Assessment, Transportation, Noise and Vibration, etc.
- Environmental Justice Engagement Summary

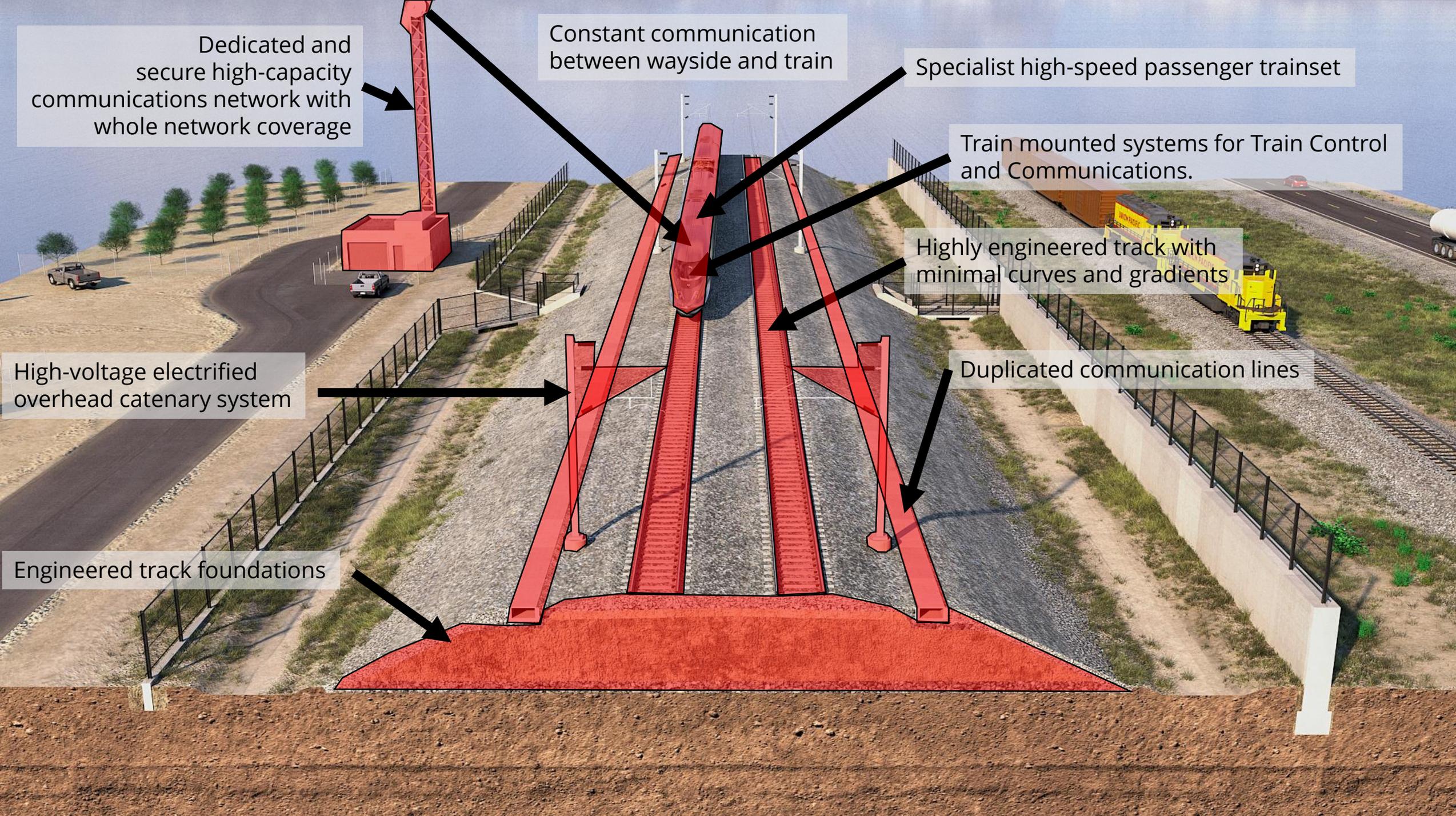
- **EIR/EIS**

- Technical Impact Analyses: Aesthetics and Visual Quality, Agricultural Farmland, Socioeconomics and Communities, Noise and Vibration, Transportation, Parks and Recreation, Open Space
- Chapter 5: Environmental Justice

SAFETY & SECURITY CHARACTERISTICS OF **HIGH-SPEED RAIL**

Simon Whitehorn, Deputy Director, Operations & Maintenance





Dedicated and secure high-capacity communications network with whole network coverage

Constant communication between wayside and train

Specialist high-speed passenger trainset

Train mounted systems for Train Control and Communications.

Highly engineered track with minimal curves and gradients

Duplicated communication lines

High-voltage electrified overhead catenary system

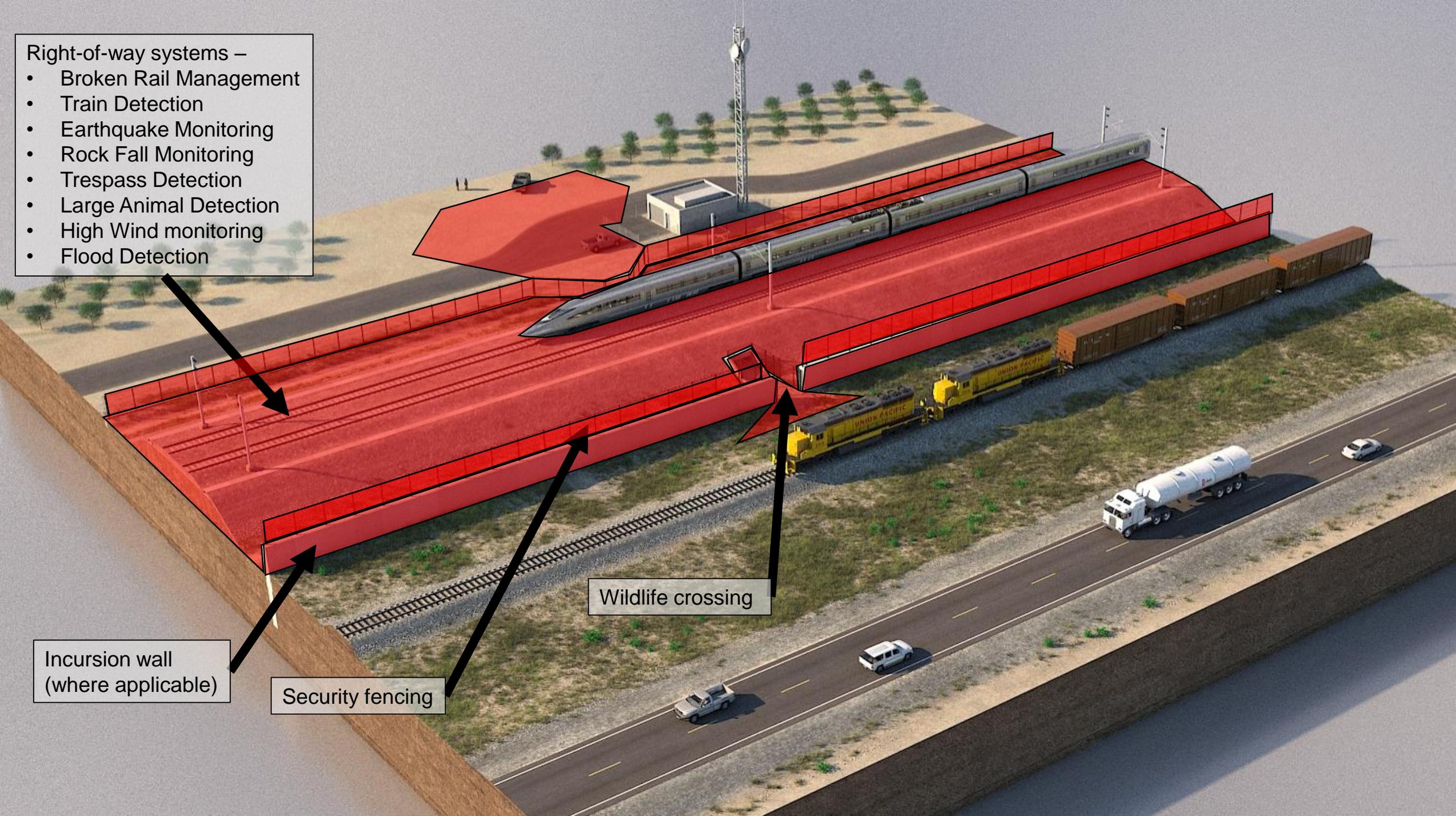
Engineered track foundations

- Right-of-way systems –
- Broken Rail Management
 - Train Detection
 - Earthquake Monitoring
 - Rock Fall Monitoring
 - Trespass Detection
 - Large Animal Detection
 - High Wind monitoring
 - Flood Detection

Incursion wall
(where applicable)

Security fencing

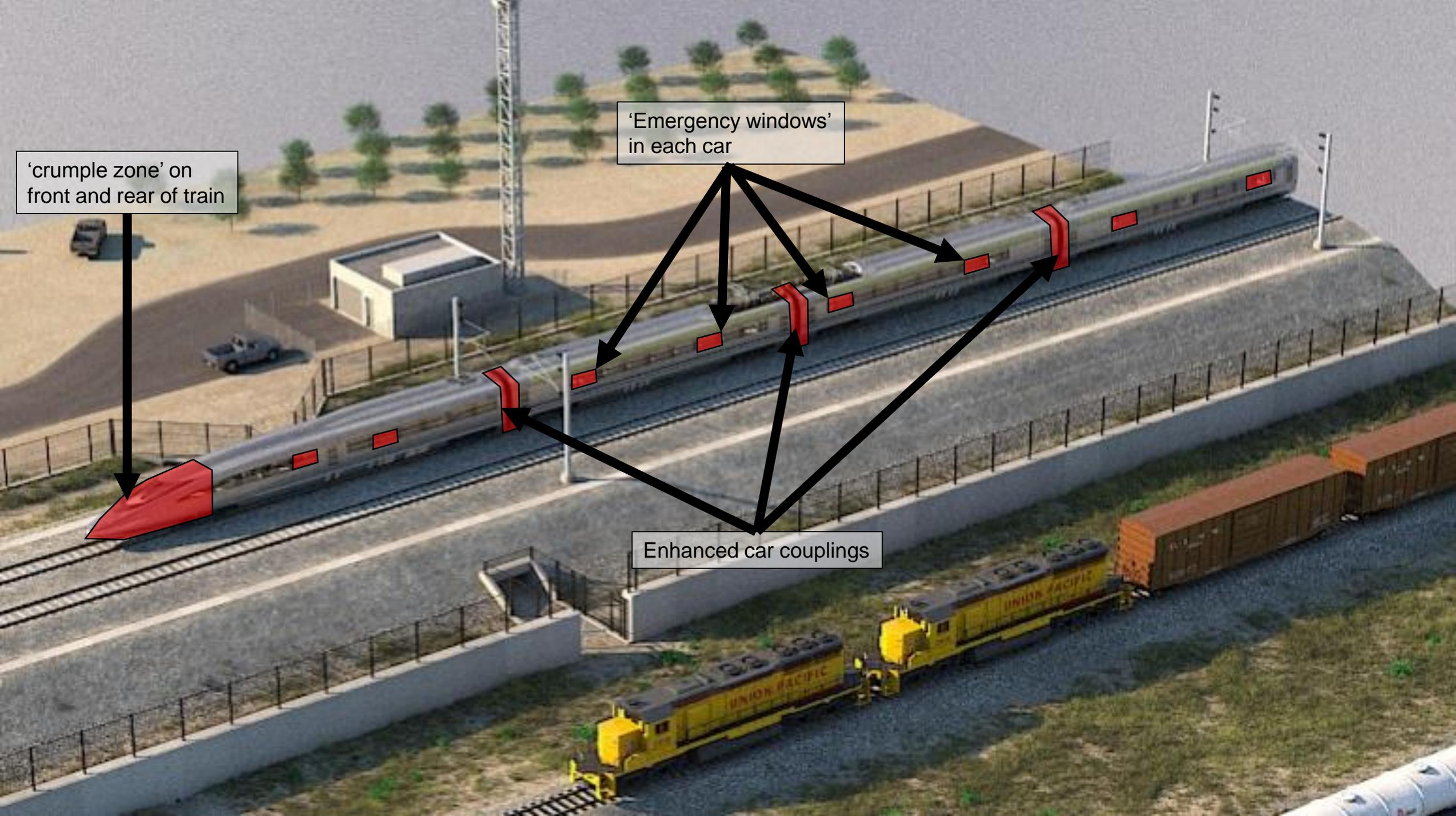
Wildlife crossing



'crumple zone' on front and rear of train

'Emergency windows' in each car

Enhanced car couplings



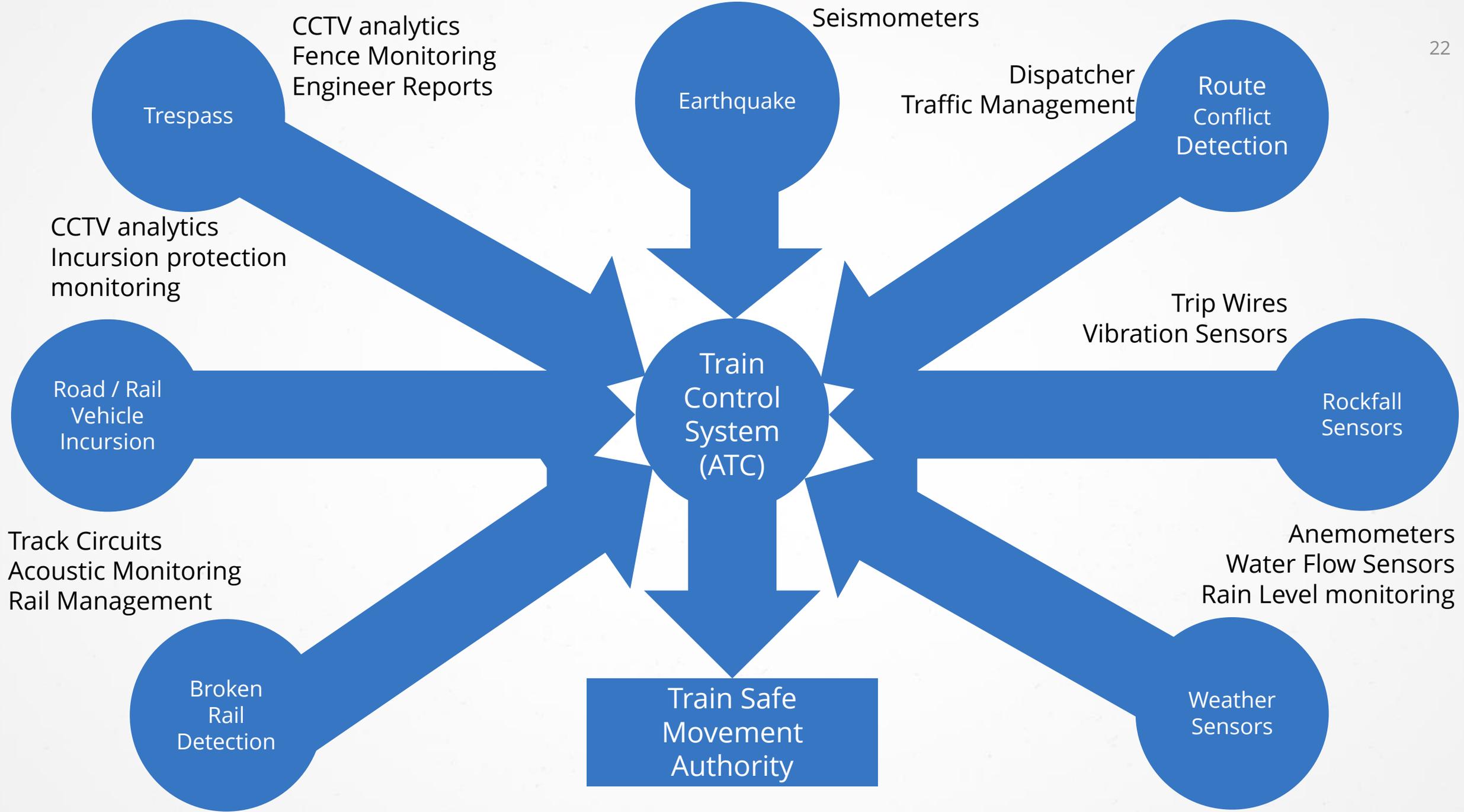


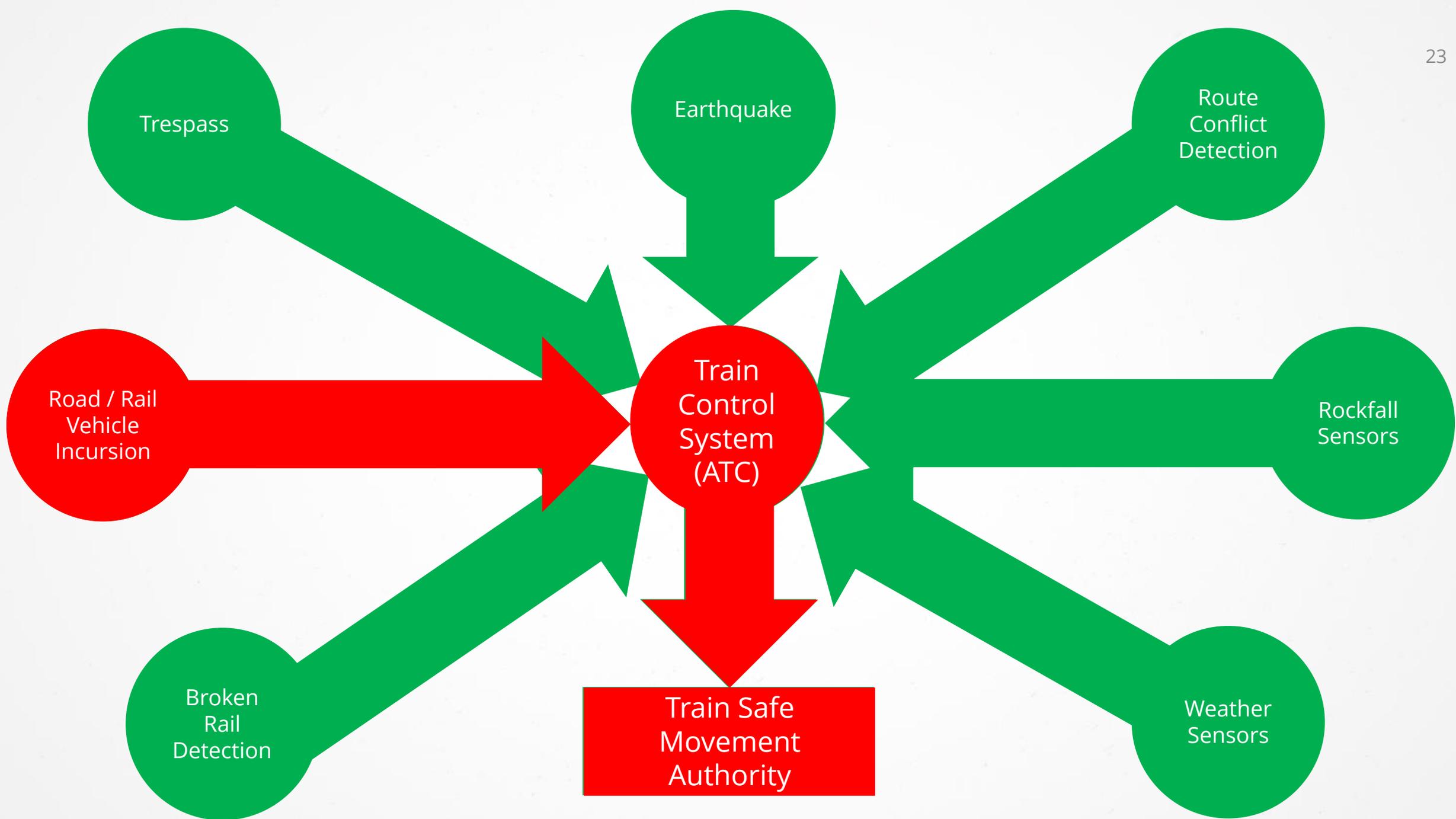
8ft high right-of-way fence

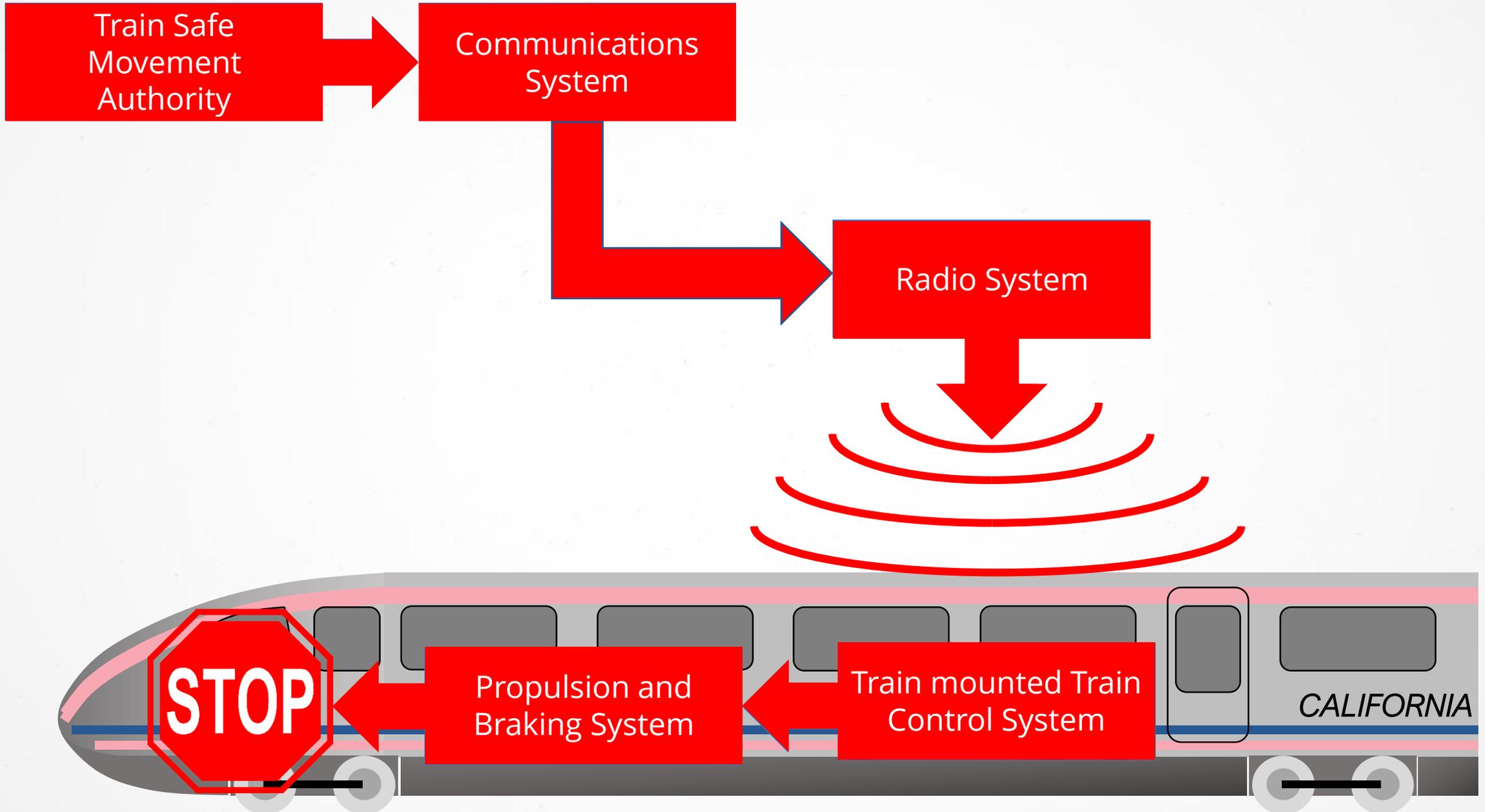
Quad road barriers

Channelization

Grade crossing features









FEATURES OF A **MODERN RAILROAD SYSTEM**

Designed so Safety and Security are built in to every element provided:

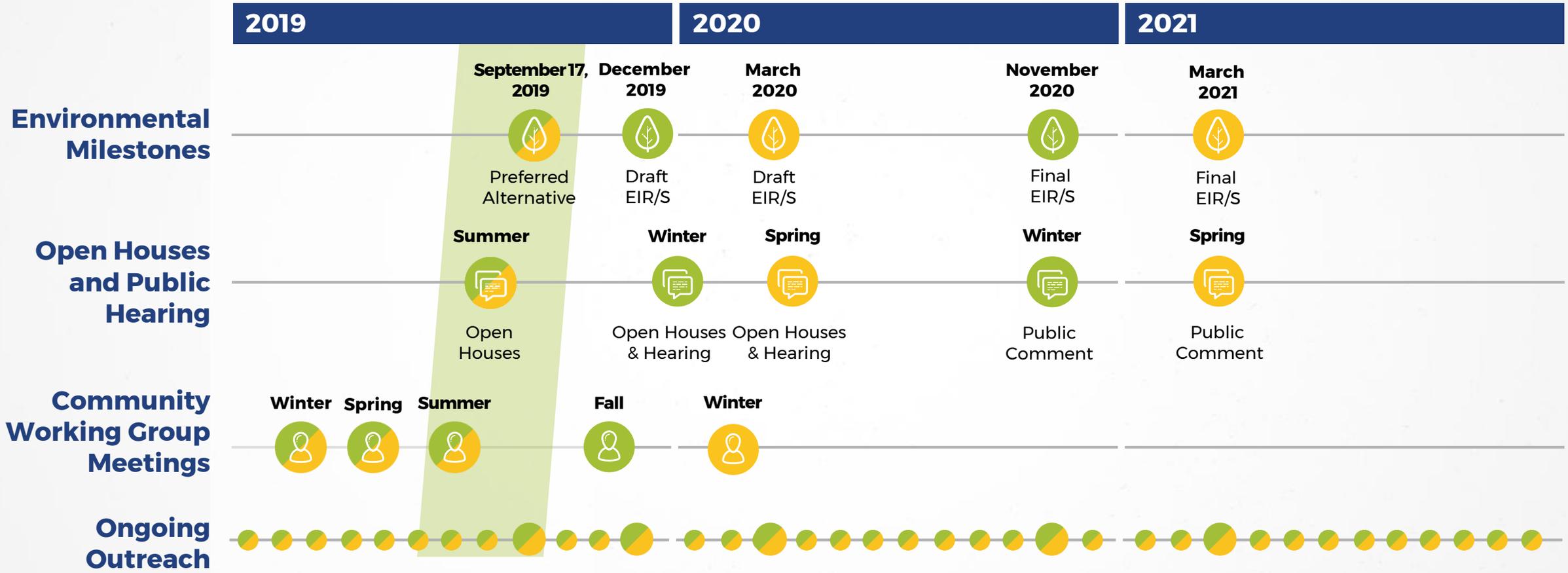
- Foundation
- Train
- Operation

PREFERRED ALTERNATIVE ENGAGEMENT UPDATE

Boris Lipkin, Northern California Regional Director

Yosef Yip, Northern California Outreach Representative

NORTHERN CALIFORNIA OUTREACH



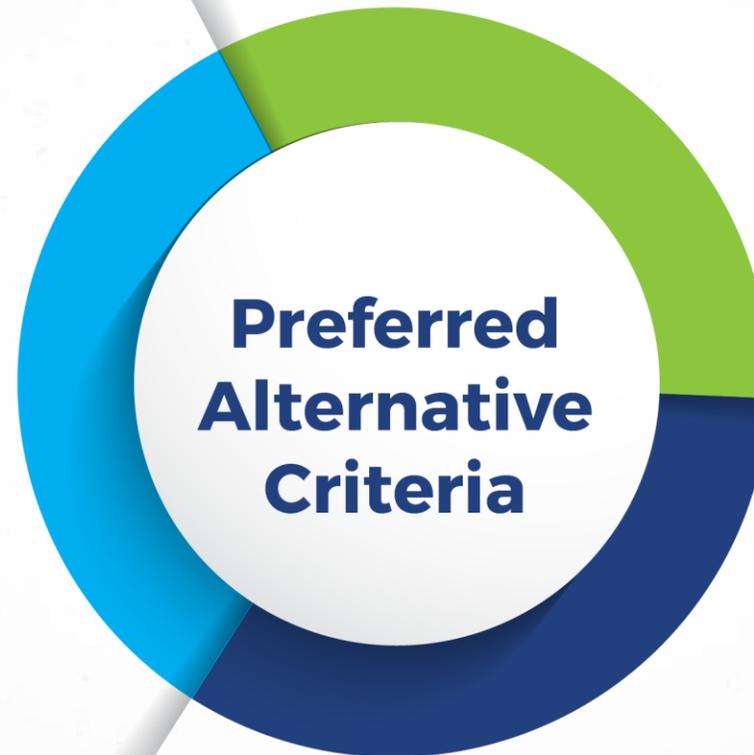
EIR/S = Environmental Impact Report/Statement

San Francisco to San Jose Project Section
 San Jose to Merced Project Section

PREFERRED ALTERNATIVE CRITERIA

System Performance, Operations, & Costs

- Alignment Length
- Maximum Authorized Speed
- Proximity to Transit Corridors
- Travel Time
- Capital Costs
- O&M Costs



Environmental Factors

- Analysis will determine which factors are differentiators
- Wetlands and Waters
- Parks and Recreation Areas
- Historical Sites
- Environmental Justice

Community Factors

- Residential Units
- Commercial Properties
- Community/Public Facilities
- Acres Affected
- Additional factors identified by communities

SYSTEM PERFORMANCE, OPERATIONS & COSTS

FACTOR	SAN FRANCISCO-SAN JOSE ALTERNATIVES	
	Alt A	Alt B
Alignment Length (<i>miles</i>)		
Maximum Authorized Speed (<i>mph</i>)		
Proximity to Transit Corridors (<i>miles</i>)		
Operational Service Travel Time (<i>minutes</i>)		
Estimated Capital Costs (<i>\$ billion</i>)		
Estimated Annual Operations and Maintenance Costs (<i>\$ million</i>)		

SYSTEM PERFORMANCE, OPERATIONS & COSTS

FACTOR	SAN JOSE-MERCED ALTERNATIVES			
	Alt 1	Alt 2	Alt 3	Alt 4
Alignment Length (<i>miles</i>)				
Maximum Authorized Speed (<i>mph</i>)				
Proximity to Transit Corridors (<i>miles</i>)				
Operational Service Travel Time (<i>minutes</i>)				
Estimated Capital Costs (<i>\$ billion</i>)				
Estimated Annual Operations and Maintenance Costs (<i>\$ million</i>)				

UPCOMING WORKING GROUP MEETINGS



SPRING 2019

Morgan Hill-Gilroy CWG
April 22, 6:00 – 8:00 pm
Portuguese Hall
Gilroy, CA

San Jose CWG
May 2, 6:00 – 8:00 pm
Edenvale Branch Library
San Jose, CA

South Peninsula CWG
May 7, 6:00 – 8:00 pm
Santa Clara Library
Santa Clara, CA

San Mateo County CWG
May 20, 6:00 – 8:00 pm
San Mateo Senior Center
San Mateo, CA

San Francisco, CWG
May 28, 6:00 – 8:00 pm
Bay Area Metro Center
San Francisco, CA

PACHECO PASS VISUALIZATION



THANK YOU & HOW TO STAY INVOLVED

HELPLINE 1-800-455-8166

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