MEETING AGENDA

Introduction from the Regional Director

Environmental Justice Analysis

Safety & Security Characteristics of High-Speed Rail

Preferred Alternative Engagement Update
ENVIRONMENTAL JUSTICE

Rich Walter, ICF
PREFERRED ALTERNATIVE PROCESS

STEP ONE
- Range of Alternatives

STEP TWO
- Evaluation of Alternatives

STEP THREE
- Authority collects stakeholder input on Preferred Alternative
- Board Identification of the Preferred Alternative

Introductions
Environmental Justice
HSR Characteristics
PA Engagement
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 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.
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
Method

- Targeted outreach to low-income and minority populations
ENVIRONMENTAL JUSTICE

METHODOLOGY

Method
- Targeted outreach to low-income and minority populations

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
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 $\frac{3A}{2A} > \frac{3B}{2B}$ → disproportionate
- If $\frac{3A}{2A} \leq \frac{3B}{2B}$ → not disproportionate

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- **1A** - Impacts
- **2A** - EJ Populations
- **3A** - EJ Populations + Impacts
- **1B** - Impacts
- **2B** - Reference Populations
- **3B** - Reference Populations + Impacts
Where will I find the information and analysis?

- **Technical Reports**
  - Environmental Justice Engagement Summary

- **EIR/EIS**
  - 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

High-voltage electrified overhead catenary system

Highly engineered track with minimal curves and gradients

Engineered track foundations

Duplicated communication lines

Train mounted systems for Train Control and Communications.
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
The diagram highlights the following features:

- **'Crumple zone' on front and rear of train**
- **'Emergency windows' in each car**
- **Enhanced car couplings**
Grade crossing features

- 8ft high right-of-way fence
- Quad road barriers
- Channelization
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

<table>
<thead>
<tr>
<th>Year</th>
<th>Milestones</th>
<th>Community Working Group Meetings</th>
<th>Ongoing Outreach</th>
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<tbody>
<tr>
<td>2019</td>
<td>September 17, 2019: Preferred Alternative</td>
<td>Winter, Spring, Summer</td>
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<td>December 2019: Draft EIR/S</td>
<td>Winter</td>
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<td>March 2020: Draft EIR/S</td>
<td>Fall</td>
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<td>Winter</td>
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### Open Houses and Public Hearing
- **2019**
  - Summer: Open Houses
  - December 2019: Open Houses & Hearing

- **2020**
  - Summer: Public Comment
  - March 2020: Open Houses & Hearing

- **2021**
  - Spring: Public Comment

### EIR/S = Environmental Impact Report/Statement

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**Legend:**
- **Orange Circle:** San Francisco to San Jose Project Section
- **Green Hexagon:** San Jose to Merced Project Section
- **Introductions**
- **Environmental Justice**
- **HSR Characteristics**
- **PA Engagement**
PREFERRED ALTERNATIVE CRITERIA

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

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

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

Introductions
Environmental Justice
HSR Characteristics
PA Engagement
## SYSTEM PERFORMANCE, OPERATIONS & COSTS

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## SYSTEM PERFORMANCE, OPERATIONS & COSTS

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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
THANK YOU & HOW TO STAY INVOLVED

HELPLINE 1-800-455-8166
WEBSITE www.hsr.ca.gov
EMAIL San.Jose_Merced@hsr.ca.gov

Northern California Regional Office
California High-Speed Rail Authority
100 Paseo De San Antonio, Suite 206
San Jose, CA 95113

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