#### **Corridor Crossings**

STRATEGY

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Local Policy Maker Group











### Purpose

As an outcome of the **Business Plan**, the Corridor Crossings Strategy is an effort to **define a systematic corridor-wide approach** to crossings.

The strategy aims to align stakeholder ambitions into balance with an implementable program, addressing:

- Funding
- Organization
- Program Delivery

Note: Active grade separation projects will continue in parallel



# Setting the Stage for a Corridor-Wide Strategy

#### Outcome =

Increased understanding of

Coordinated Program Approach





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## **Paths**



Communicate roles, responsibilities, processes, and standards for <u>individual</u> projects. Program Strategy Development

Develop a shared, <u>corridor</u> vision with an incremental and implementable approach for regional benefits.

Balance vision with implementable action plan

**Outcome:** Crossings Delivery Guide

**Outcome:** Program Vision and Strategy



# Timeline







# **Project Progress**



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# Program Strategy Process





## **Recap of Technical Topic Exploration**



• Technical topic conclusions supported a coordinated program approach and the need to identify priority projects

**TEST** 

- Key conclusions of the **technical topics** include:
  - **ORG / TECH CAPACITY:** Caltrain staff resources and capacity are constrained and additional resources would be needed to support deeper involvement in a grade separation program
  - **MOBILITY:** There is not corridor-wide consensus on a fully separated corridor; corridor communities want to focus on delivering priority projects
  - **CONSTRUCTION, DESIGN / ROW:** Consolidating crossing projects realizes numerous construction and delivery benefits, as well as potential efficiencies from coordinating project implementation
  - **COST / FUNDING:** Identifying priority projects helps region to identify complete funding for high-impact projects as quickly as possible



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# Feedback Overview

What We Have Heard so Far



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# **May Workshop Recap**

#### **Common Takeaways:**

- Benefits of a corridor-wide approach with sensitivity to local conditions
- Complexity and volume of issues, information, and data to inform a corridor-wide approach

#### **Breakout Exercise:**

Participants collaborated on determining crossing treatments for at-grade crossings

- ✓ Considerations and takeaways of crossing treatments
- ✓ Benefits and challenges of program delivery approaches











# From Numerous Meetings, Partners Desire...

- A consolidated and coordinated program to accelerate the delivery of grade separation projects and to strategically pursue funding
- That Caltrain take a proactive and consistent role in delivering grade separation projects
- A consistent and transparent grade separation process
- A continued role for cities and a need for a grade separation program to reflect community vision

Throughout the life of the CCS, we have presented at...





## **Approach Spectrum**





# Building the Program

How We are Incorporating Community Partner Feedback



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# **DRAFT Crossings Delivery Guide**

- Graphically engaging, easy to read guidance
- Design standards + project development and delivery





Corridor Crossings STRATEGY

#### **DRAFT Crossings Delivery Guide – Outline and Structure**

Background	Project Initiation
<ul> <li>Corridor Overview</li> <li>Regulatory Environment</li> <li>At-Grade Rail Crossings</li> </ul>	<ul> <li>Project Implementation Process</li> <li>Planning a Grade Separation</li> <li>Funding and Grant Programs</li> </ul>
Grade Separations	Project Delivery and Implementation
<ul> <li>Key Considerations and Caltrain Design Criteria</li> <li>Governing Design</li> <li>Horizontal Clearances Standards</li> <li>Horizontal Clearances</li> <li>Structural Design</li> <li>Vertical Clearances for</li> <li>Design Variances</li> <li>Operational Impacts</li> <li>Vertical Clearances for</li> <li>Grade Separation Components</li> <li>Frofile Grade</li> <li>Grade Separation Types</li> </ul>	<ul> <li>Delivery Methods</li> <li>Construction methods</li> </ul>



### **DRAFT Crossings Delivery Guide – Process Overviews**



Project Phases and Tasks	City/Local Jurisdiction	Funding Agency	Caltrain	County	
PHASE 3: 16-35% PRELIMINARY DESIGN					
3.1: Develop Project Management Plan (PMP)	G	G		0	
<ul> <li>3.1. Develop roject trianagement r an (r twir)</li> <li>3.2: Submit Complete Streets Checklist (for VTA 2016 Measure B funds only)</li> </ul>	80	G	G	0	
3.3: Update the funding plan	BA	G	8	0	
3.4: Advance design to 35% development	G	Ğ	88	G	
3.5: Evaluate alternate Project Delivery Approaches (DBB, CM/GC, PDB) and make findings in a public meeting (JPB Board)	G	G	BA	0	
3.6: Formation of a Technical Working Group (TWG)	C	C	BA	Θ	
3.7: Develop Preliminary Public Art Plan	<b>B A</b>	C	C	0	
3.8: Attend and present to City Councils as needed	<b>B A</b>	C	BA	0	
3.9: Lead ongoing community outreach	<b>B</b>	C	ß	0	
3.10: Lead the Environmental Clearances (CEQA, NEPA as required)	C	C	BA	0	
3.11: Risk Assessment	C	C	BA	0	
3.12: Update Project Cost /Budget	C	G	88	0	
<ol> <li>Amend Cooperative Agreement / MOU for Final Design (if applicable)</li> </ol>	8 4	8 4	84	0	
3.14: Issue RFP or Exercise Option for Final Design	C	G	BA	0	
3.15: Review the bid	B 🕢	B 🗛	80	0	
<ol> <li>Select consultant and issue Notice to Proceed (NTP) for Final Design</li> </ol>	<b>B A</b>	8	8 4	0	
3.17: Environmental Documentation	C	C	80	0	
3.18: Update Funding Plan	<b>B A</b>	C	B A	0	
3.19: 35% Phase Gate Management Committee	C	G	88	0	
3.20: Prepare Staff Report and Board Resolution for JPB Board for Funding Agreement to advance the design to 100%	C	G	8 4	0	
3.21: Evaluate and Execute Alternate Project Delivery Pre-Construction Services Contract, or PDB, if applicable	G	G	8 🗛	0	



\*White outline indicates whether City or Caltrain is leading that phase

# **DRAFT Crossings Delivery Guide: Next Steps**

- 1. Internal review draft + revisions in process now
- 2. Review draft to corridor partners (December)
- 3. Receive comments and final revisions
- 4. Post publicly with periodic updates as new/updated guidance is available







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#### COORDINATED PROGRAM APPROACH





# **Coordinated Program Approach**

Based on technical topics and community partner feedback a **coordinated program approach** brings the following benefits:

- Allows for a holistic methodology in implementing corridor crossings improvements
- Considers the unique characteristics along the corridor, and allows for implementation that considers geography, jurisdictions, and service
- Leverages the advantages of integrated planning, design, and delivery of projects within the corridor

\*\* Not a "one-size-fits-all" solution for the whole corridor \*\*\*\* Cannot currently be accommodated with existing staff resources \*\*





# **Process for Identifying Priority Projects**

The Corridor Crossings Strategy is an effort to **define a systematic corridor-wide approach** to crossings.

ОСТ	NOV LPMG WORKSHOP	NOV LPMG WORKSHOP	ONGOING	
IDENTIFY Metrics	EVALUATE Crossings	ASSESS Implementation		
<ul> <li>Aligned with CCS goals</li> <li>Aligned with funding programs</li> <li>Focused on corridor benefits</li> </ul>	<ul> <li>Individual grade crossings along full corridor</li> <li>Identify initial framework with specific implementation plan to follow</li> </ul>	<ul> <li>Status of active projects (cost &amp; schedule)</li> <li>Alignment with funding opportunities and committed funding</li> </ul>	<ul> <li>Develop common funding applications</li> <li>Communicate about future shared priorities</li> <li>Identify implementation efficiencies</li> </ul>	



# **Which Crossings Have Greatest Positive Impact?**

- CCS goals are aligned with state and federal funding criteria
- Evaluate against criteria rather than against other crossings

• Data sources that are simple to obtain and update





**IDENTIFY** 

**Metrics** 

**Proposed Metrics** 

IDENTIFY Metrics

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Goal	Safe and Equitable Mobility	Equitable Community Benefits	Cost Efficiencies & Reliable Funding Implementable Program	Maximize Rail Corridor Utility
Factor	<ul> <li>Recent Fatal Rail Incident and/or Fatal or Severe Crash</li> <li>Existing Bike and Pedestrian Access</li> <li>Gate Downtime Growth Over 75%</li> </ul>	<ul> <li>Within 0.5 Miles of a School</li> <li>Within Equity Priority Community</li> </ul>	Within 0.25 Miles of Another Crossing	• Within Future 4-Track Area



# Which Crossings Have Greatest Positive Impact?

• Evaluate *all* crossings in full Caltrain corridor on shared goals

EVALUATE Crossings

• Understand project readiness







### Caltrain Corridor Active Projects Preliminary Funding Gap

ASSESS Implementation

(\$ in millions)*	San Mateo County	Santa Clara County	San Francisco	Total
Caltrain Corridor Active Project Estimated Cost (\$2022)	\$1,900	\$1,300	TBD	\$3,200
Estimated Committed Funding (All Sources)	\$300	\$800	(sole project is at concept phase)	\$1,100
Estimated Funding Gap	\$1,600	\$500		\$2,100

\*Table inclusive of projects on the Caltrain-owned corridor, exclusive of DISC





### AASHTO Council on Rail Transportation Report Out

#### UTILIZE

#### FRA Railroad Crossing Elimination (RCE) Program

#### FY 2022 RCE Program Selections

FRA received 153 eligible applications, requesting **\$2,357,111,098** from 41 States. FRA announced **\$570,982,420** for 63 projects in 32 states.

All applications go through several layers of review, including:

- Intake and eligibility
- Technical review
- Senior Review Team
- FRA Administrator/Secretary

#### FY 2023 RCE Notice of Funding Opportunity

FRA anticipates publishing the FY23 RCE Notice of Funding Opportunity later this fall, which will make approximately \$575 million available.

#### U.S. Department of Transportation Federal Railroad Administration

#### **Overall Takeaways**

#### FRA Lessons Learned– What We've Heard from You

- Lifecycle stage clarity
  - New guidance
  - Risk of applying for multiple stages
- RCE-specific eligibility requirements
  - RCE is different from other FRA programs
- Multiple submissions
  - Communicate priority rankings
- Safety argument reigns supreme
- Format matters

#### Interested in Feedback from Applicants

• Feedback for us? How can we improve?



# Steps to Address Funding Gap

Short-term opportunities for collaborative funding applications

- ✓ New Federal programs show immense promise
- ✓ State programs providing needed resources
- ✓ Need to account for administration of funds

Need to identify dedicated long-term funding source(s)



- ✓ Leveraging dedicated resources
- ✓ Supporting coordinated program delivery and efficiencies
- ✓ Scaled to regional benefits



# **Next Steps**



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> **NOVEMBER WORKSHOPS**



# **November CSCG Workshop Agenda**

#### **Topic:**

Organization and Coordinated Program Approach

### Logistics:

- In-Person Meeting
  - During regularly scheduled meeting date (11/15)
  - 10:00 AM 12:00 PM

### Location:

P→ Mountain View City Council Chambers





# **November LPMG Workshop Agenda**

#### **Topic:**

Identifying Priority Projects and Funding Strategy

### Logistics:

- LPMG In-Person Meeting
  - 11/30
  - 4:00 PM 6:00 PM

#### **Location:**

P→ Mountain View City Council Chambers



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