



# *Corridor Crossings*

STRATEGY



*JPB Advocacy and Major Projects Committee*

5.24.2023



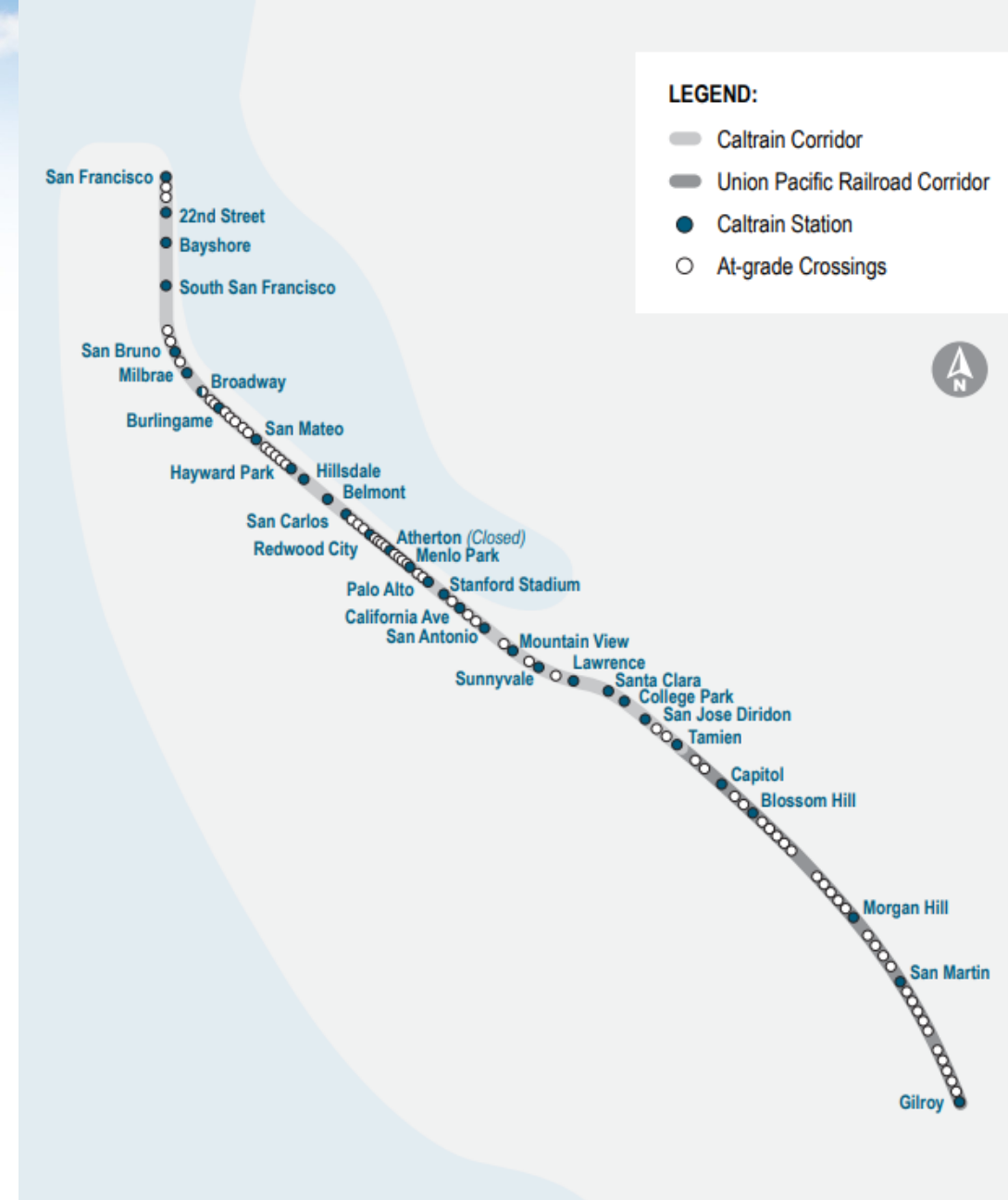


# AGENDA

- **Background**
- **Program** Introduction
- **Key** Takeaways
- **Look** Ahead

# Baseline Conditions

- **Current (2022) At-Grade Crossings**
  - ✓ 43 crossings on Caltrain corridor
    - 41 vehicular
    - 2 pedestrian
  - ✓ 28 crossings on Union Pacific Railroad (UPRR) corridor
- **15 active grade separation, closure, and undercrossing projects across 31 crossings**
  - ✓ 28 crossings in active projects
  - ✓ 3 new pedestrian undercrossings



# Current Challenges



First come, first serve projects resulting in ad hoc delivery and lack of corridor-wide prioritization



Lack of funding available to meet needs of identified projects



Jurisdictions on their own to identify and apply for funding sources



Organizational and technical capacity is uneven across the corridor



Caltrain's involvement is reactive to city sponsored projects

# Problem Statement



First come, first serve projects resulting in ad hoc delivery and lack of corridor-wide prioritization



Lack of funding available to meet needs of identified projects



Jurisdictions on their own to identify and apply for funding sources



Organizational and technical capacity is uneven across the corridor



Caltrain's involvement is reactive to city sponsored projects



There is a significant imbalance between the jurisdictions' grade separation ambitions and the current scale of corridor-wide funding, organizational, and delivery approach.



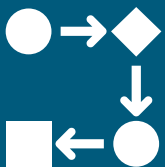
# Purpose

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***



# Paths



## Project Delivery Opportunities

Communicate roles, responsibilities, processes, and standards for individual projects.

*Outcome: Crossings Delivery Guide*



## Program Strategy Development

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

***Balance vision with implementable action plan***

*Outcome: Program Vision and Strategy*



# Project Delivery Opportunities





# Crossings Delivery Guide

- Intended for Caltrain, city staff, and partner agencies
- Living document updated as revisions are needed
- Online, user-friendly document that communicates the project delivery approach
- Includes FAQs for reference
- Examples of grade separations and/or closures

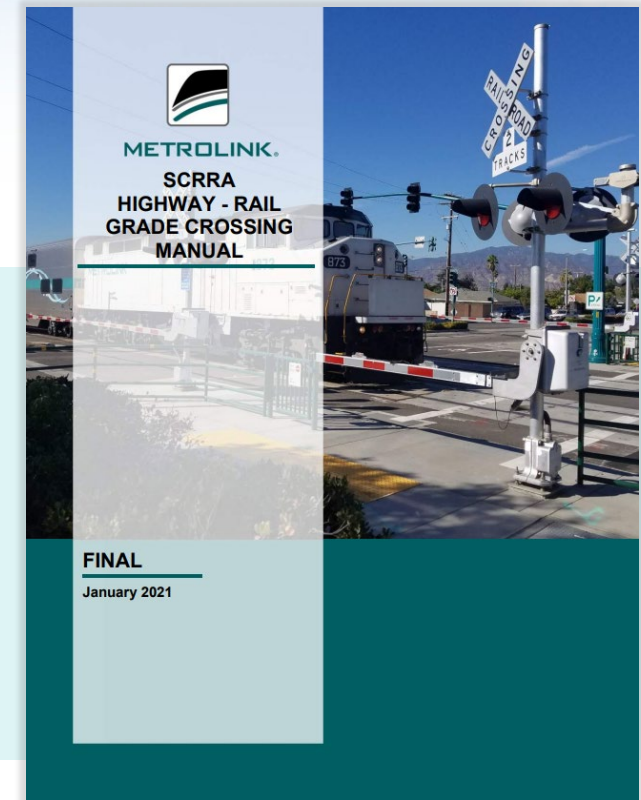
## Processes and Procedures:

Design exceptions, project development process, service agreements, operational requirements during construction

## Roles and Responsibilities:

Defined Caltrain, local jurisdiction, and JPB member agency roles

## Delivery Guide Example



## Key Design Criteria:

Horizontal and vertical clearances, Profile Grades, Design Speeds, and Allowable construction methods



# Program Strategy Approach





# Approach Spectrum

## Approach A: Independent Projects



- Project-by-project approach/management
- Local funding plan
- Aspirational goal, but no timeline
- Current approach for Caltrain

## Approach B: Coordinated Projects



- Regionally coordinated approach to corridor funding
- Interjurisdictional communication about resources and schedule
- Coordinated corridor project delivery
- Aspirational goal with timeline

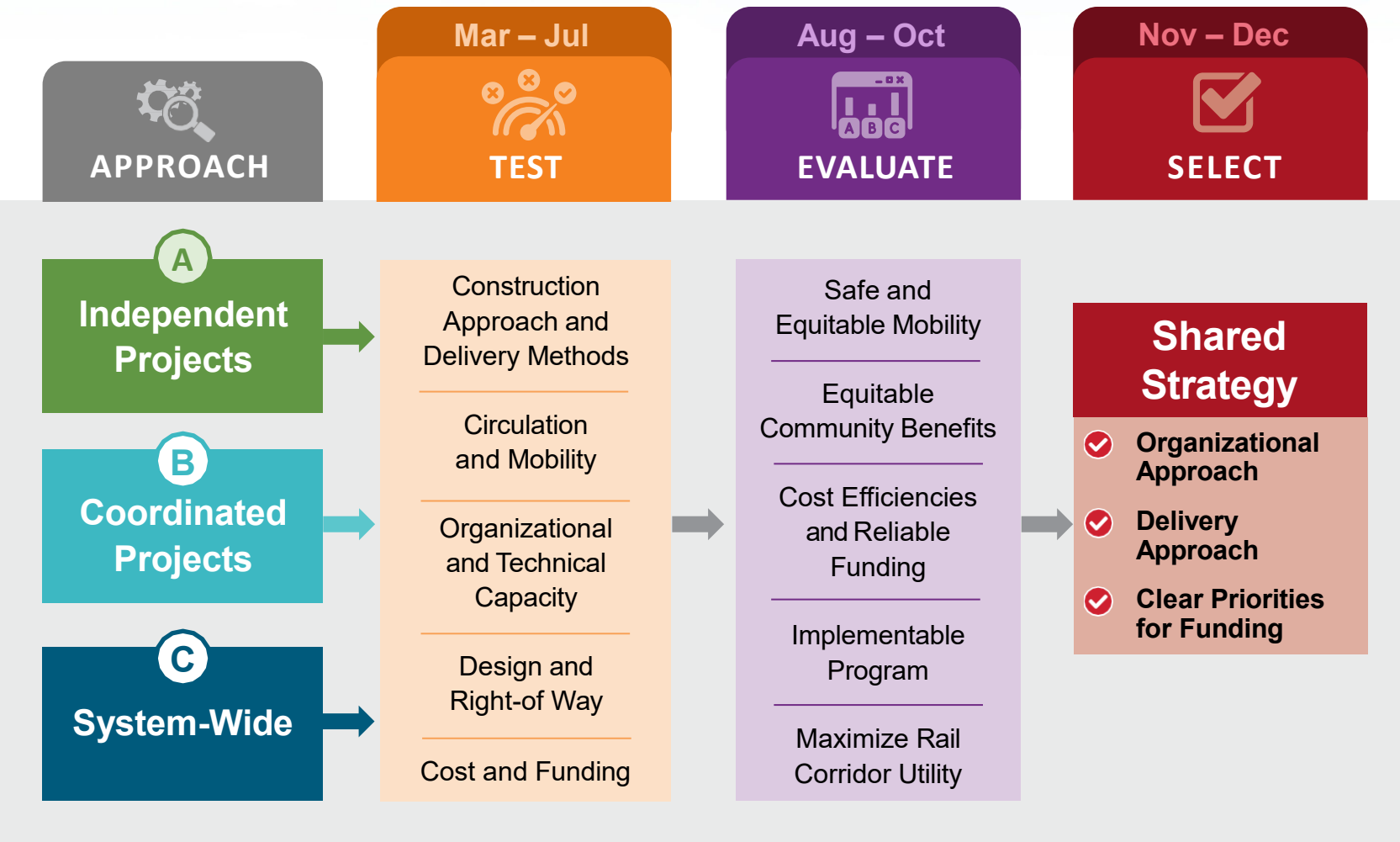
## Approach C: System-wide



- Transparent and consistent methodology
- Robust and centralized project delivery
- Corridor-wide and regional funding
- Consistent project champion
- Aggressive goal with timeline



# Program Strategy Process





# Circulation and Mobility Workshop

- Highlighted relationship of crossing treatments\* with the transportation circulation
- Discussed tradeoffs/considerations of applying crossing treatments
- Encouraged jurisdictional collaboration to foster a regional perspective
- Feedback will inform development of program strategy



*\*Grade separated, pedestrian/bicycle separated, and closures*

**Next Workshop:** 5/25 for LPMG members



# Key Takeaways To Date



A **centralized/system-wide program** leverages advantages/strengths of alternative project delivery for cost and schedule efficiencies



**Jurisdictional coordination** unlocks regional perspectives and collaboration to elevate the corridor and enhance funding competitiveness



**Economies of scale** provide the opportunity to leverage resources for project efficiencies

# Timeline

Crossings Delivery Guide

Program Strategy

Project Introduction  
Baseline Conditions

Develop DRAFT Crossings Delivery Guide

Review DRAFT Crossings Delivery Guide

2023 | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC

Project Conditions  
Case Study Summary

Technical Topic Exploration

DRAFT Strategy  
Vision

Review DRAFT  
Strategy Vision  
and Stakeholder  
Workshop

JPB Endorsement:  
DRAFT Strategy  
Vision

In Person Meeting

# 2023 Engagement Schedule

	2023											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Local Policy Maker Group	●	●	●	●	●	●	●	●	●	●	●	●
City/County Staff Coordinating Group	●	●	●	●	●	●	●	●	●	●	●	●
Project Partner Group	●	●	●	●	●	●	●	●	●	●	●	●
JPB Advocacy and Major Projects*					●		●		●		●	
Joint Powers Board						●		●		●		●
General Manager Group							●		●			●
Stakeholder Awareness Team				●		●			●		●	
Citizens Advisory Committee			●					●			●	
Bicycle and Active Transportation Advisory Committee			●					●			●	

\*JPB Subcommittee



# 4-Track Effort



**Corridor Crossings**  
STRATEGY

# Business Plan: 4-Track Context



- Moderate Growth Scenario as the 2040 Caltrain Long Range Service Vision
- Continue planning for a potential “higher” growth level of service and potential new regional and mega-regional connections

*...directs the railroad to take certain specific actions to anticipate and, where **feasible and financially practicable**, facilitate, such higher levels of service and connections as they specifically relate to... (iii) **the design of grade separations in areas where 4-track segments may be required.***

# 4-Track Segment Refinement

## Purpose



**Clarify 4-track segments identified in Business Plan**



**Define required infrastructure to meet 2040 Long Term Service Vision**



**Develop policy guidance for JPB consideration**



## October

**Staff recommendations for JPB consideration with summary of technical work and outline of the policy approach**

# Contact Information

Program Website:  
<https://www.caltrain.com/CCS>



Contact Email:  
[CCS@caltrain.com](mailto:CCS@caltrain.com)