

Downtown Railroad Pedestrian Crossing Feasibility Study



Community Review Committee (CRC)

Meeting #1: Study Objective and Process

February 5, 2025

TRANSYSTEMS





› MEETING PURPOSE

- Introduce Committee to each other and the project team.
- Introduce the study.
- Explain the intent and objectives of the CRC.
- Share preliminary potential crossing locations.
- Share crossings options.
- Outline tasks and timelines.



AGENDA

- a. Introductions
- b. Study Purpose
- c. Town's Grant Award
- d. CRC and TAC Meeting Series: Intent & Objectives
- e. Preliminary Potential Crossing Locations
- f. Preliminary Crossing Options
- g. Next Steps

STUDY PURPOSE



Bridge Street At-Grade Crossing



Provide better connectivity



The study will evaluate alternatives for a new railroad crossing that enhances accessibility and connectivity for pedestrians and bicyclists in historic Downtown Truckee.

- Improve pedestrian and bicycle safety in Downtown by assessing the feasibility of a new rail crossing.
- Maintain or improve pedestrian and bicycle circulation with or without a train present at the Downtown station.
- Improve access for residents and visitors to both sides of Downtown and new community features like parks and the Truckee River.
- Protect the historic character and buildings in Downtown Truckee.



General study limits

EXISTING UNDERPASS
(ROAD AND SIDEWALK
UNDER RAILROAD)

1440'

1440'

MID-POINT BETWEEN
EXISTING CROSSINGS

LANDSCAPE
TOWN-LEASE
AREA

PRIVATE
PARKING LOT

TRUCKEE TRAIN DEPOT

UNION PACIFIC RAILROAD

WEST RIVER FRONTAGE
PARKING LOT - PROPOSED

WEST RIVER JAX PARKING LOT

DEWBĒYŪMWE? PARK

TRUCKEE RIVER

LEGACY TRAIL
TRAILHEAD
PARKING LOT

S RIVER ST

STUDY AREA

RELATIONSHIP TO TOWN PLANS, GOALS, AND POLICIES

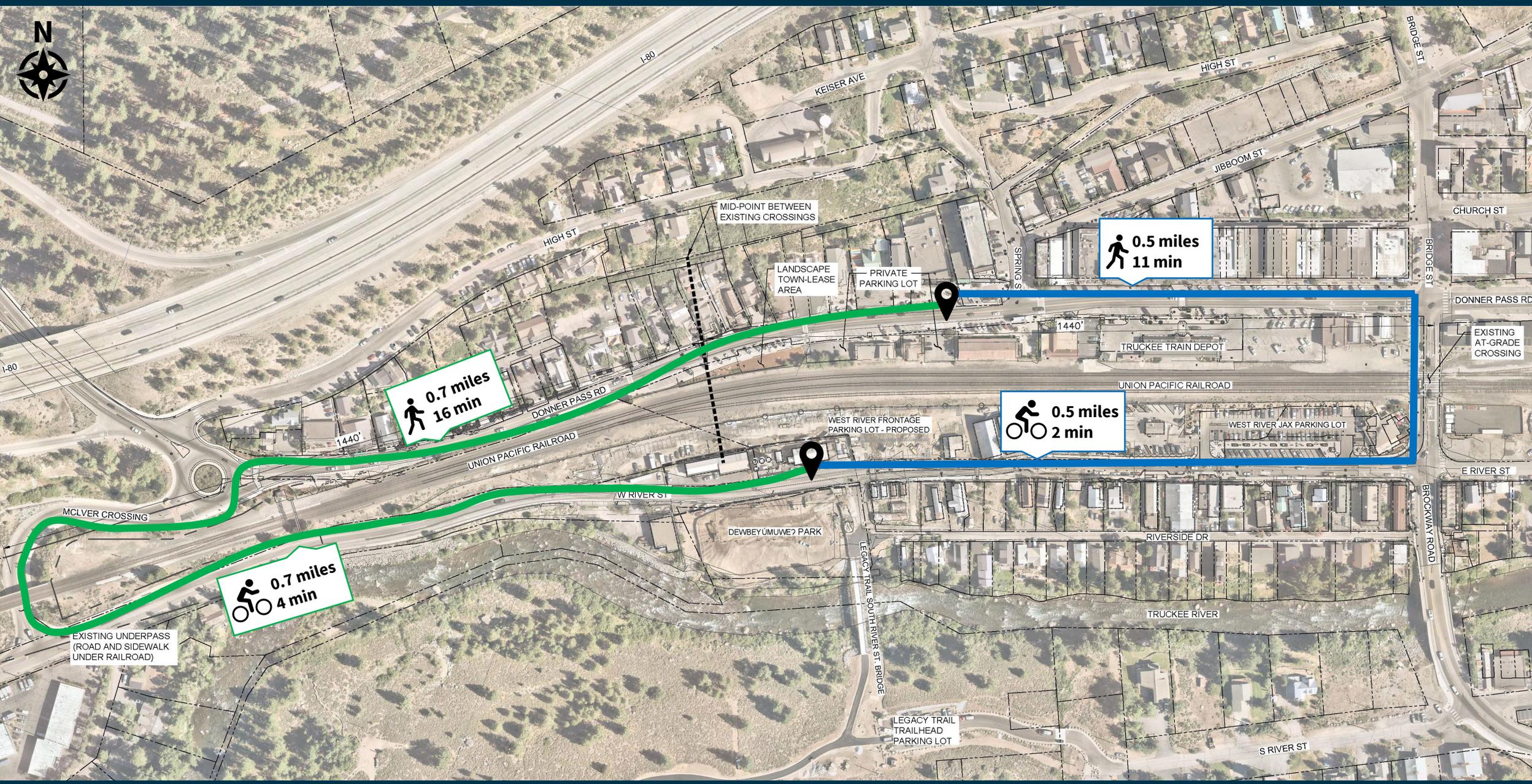
The Downtown Railroad Pedestrian Crossing Feasibility Study is rooted in existing plans and goals for Truckee’s Historic District detailed in:

Downtown Area Plan (2040 General Plan)	Railyard Master Plan	Trails and Bikeways Master Plan
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This study is one piece of a multi-project effort to enhance Downtown Truckee and provide better connectivity for the travelling public, economic growth opportunities, and revitalized spaces, while preserving town Truckee’s historic integrity. Other related projects include:

West River Site Project / DEWBEYÚMUWE? PARK	Jibboom Street Sidewalk Feasibility Study and Improvement Project	Reimagine Bridge Street
Brickelltown Historic District	Truckee River Legacy Trail & New Truckee River Pedestrian Crossing	West River Street Streetscape





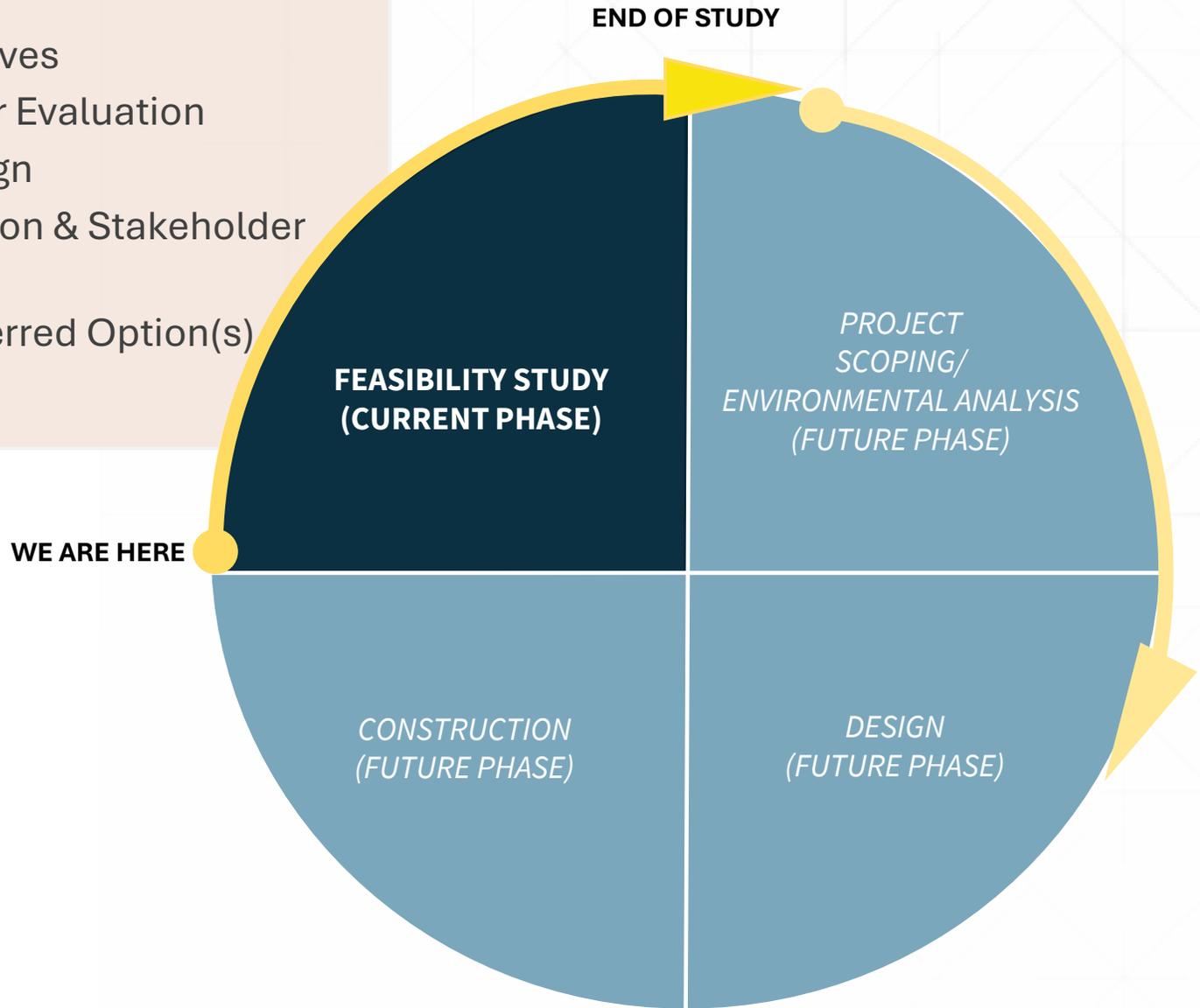
SUSTAINABLE TRANSPORTATION PLANNING GRANT AWARD

The Town of Truckee was awarded a grant from the Caltrans Sustainable Transportation Planning Grant Program (FY23-24) **to conduct a feasibility study and develop a conceptual design for a railroad crossing** that improves accessibility and connectivity for pedestrians and cyclists in central Downtown Truckee.

- Award announced on August 31, 2023
- Grant Award Amount: **\$305,429**
- The grant funding is allocated to the following tasks:
 - ❖ Project Administration
 - ❖ Public Outreach/Study Advisory Group(s)
 - ❖ Develop Conceptual Design
 - ❖ Alternative Comparison and Selection
 - ❖ Feasibility Report
 - ❖ Council Review/Approval
- Grant Agreement deadline **March 2026**
- Approximate Order of Magnitude Cost ~ \$20M – 30M



- Grant Award
- Develop Alternatives
- Define Criteria for Evaluation
- Conceptual Design
- Public Consultation & Stakeholder Engagement
- Selection of Preferred Option(s)



Community Review Committee (CRC)

PURPOSE

- Provide focused feedback and input on study elements
- Disseminate study information to associates' external groups
- Ensure penetration of information to under-represented communities

MEMBERS

- Mountain Area Preservation (MAP)
- Placer County Transportation Planning Agency
- Planning Commission
- River Revitalization Steering Committee
- Town Council
- Truckee North Tahoe Transportation Management Association (TMA)
- Truckee Chamber of Commerce
- Truckee Downtown Merchants Association (TDMA)
- Truckee Trails Foundation
- Truckee-Donner Historical Society (TDHS)
- Truckee-Donner Railroad Society (TDRRS)



Meeting #1 *Study Objective and Purpose* February 5

GOALS:

- Introduce the study
- Explain the intent and objectives of the TAC.
- Share preliminary potential crossing locations
- Share preliminary footprints for crossings types
- Outline tasks and timelines



Meeting #2 Early Concepts TBD April 2025

GOALS:

- Present initial design concepts.
- Develop criteria for evaluation.
- Identify concerns and suggestions for improvement.
- Discuss feedback.



Estimated 2-3 Subsequent Meeting(s) Comparison of Alternatives TBD Summer 2025

GOALS:

- Present refined design alternatives informed by feedback.
- Compare alternatives.
- Summarize feedback and determine next steps.
- Rank Alternatives.
- Develop recommendations to Town Council.

COMMITTEE ROLE › Provide knowledge and community perspective; advise Town Staff and Town Council in decision-making process

COMMITTEE GOALS and GROUND RULES

› We ask for your commitment to:

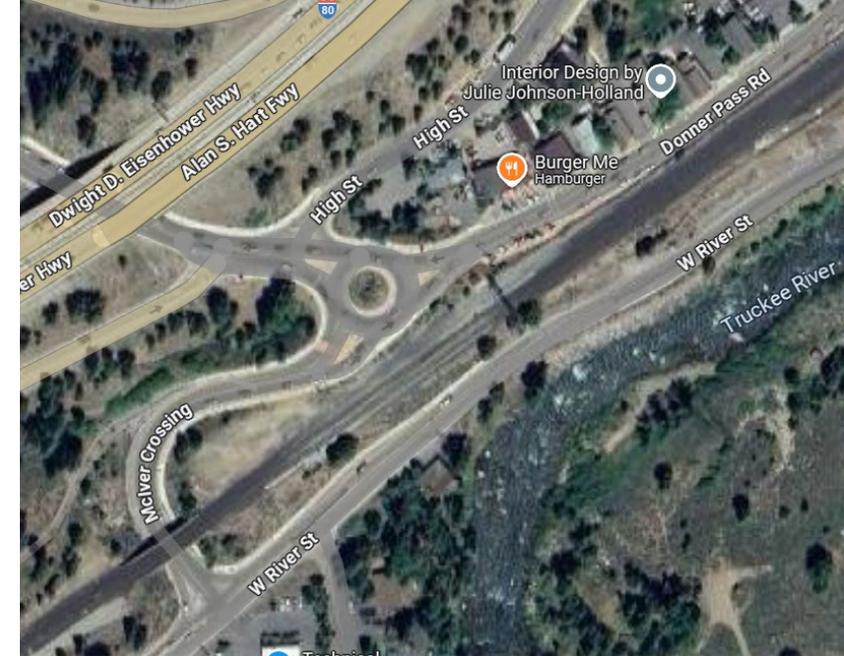
- Attend and engage in all meetings in the series.
- Provide constructive feedback.
- Participate in good-faith throughout the CRC/TAC process.
- Implement Truckee Way values.





THE TRUCKEE WAY

- Respect various points of view
- Approach issues with creativity and innovation
- Free exchange of ideas and information by open and honest communication
- Collaborative engagement



TOWN EXPERIENCE WITH SIMILAR PROJECTS

McIver Crossing



TOWN EXPERIENCE WITH SIMILAR PROJECTS

SR 89 Mini Mousehole



TOWN EXPERIENCE WITH SIMILAR PROJECTS

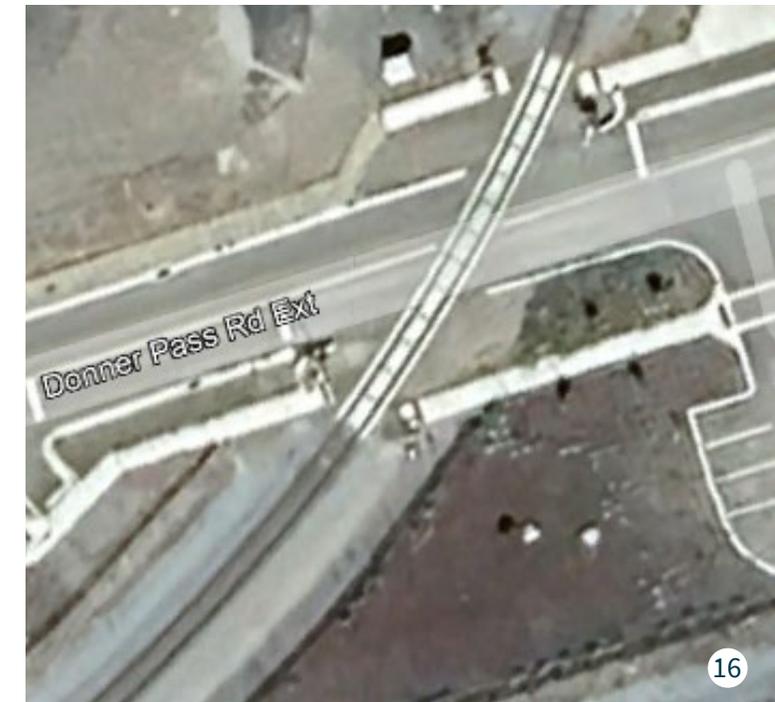
Bridge Street Pedestrian Improvements





TOWN EXPERIENCE WITH SIMILAR PROJECTS

Railyard Balloon
Track Crossing





TOWN EXPERIENCE WITH SIMILAR PROJECTS

West River Street
Streetscapes & Underground





TOWN EXPERIENCE WITH SIMILAR PROJECTS

Reimagine Bridge Street



TRANSYSTEMS EXPERIENCE WITH SIMILAR PROJECTS



**Sacramento Intermodal Transit Facility
Phase 1 Track Relocation**
Sacramento, CA

TranSystems served the City of Sacramento as prime consultant and performed all civil, rail, structural, architectural, mechanical, electrical, and fire protection design services using in-house station architects and engineers.



**Capitol Corridor Joint Powers Authority
(CCJPA) Railroad Crossing Safety
Improvement Program**
Alameda, CA

TranSystems supports cities by developing and advancing rail safety projects, providing grant application development, preliminary engineering, RFP preparation, survey, and environmental or real estate support.



**Union Pacific Railroad (UP)
Master Services Agreement**
Northern California & Nationwide

TranSystems has held a master service agreement with UP since the 1990s and has performed over **1,100 projects**, including public projects.

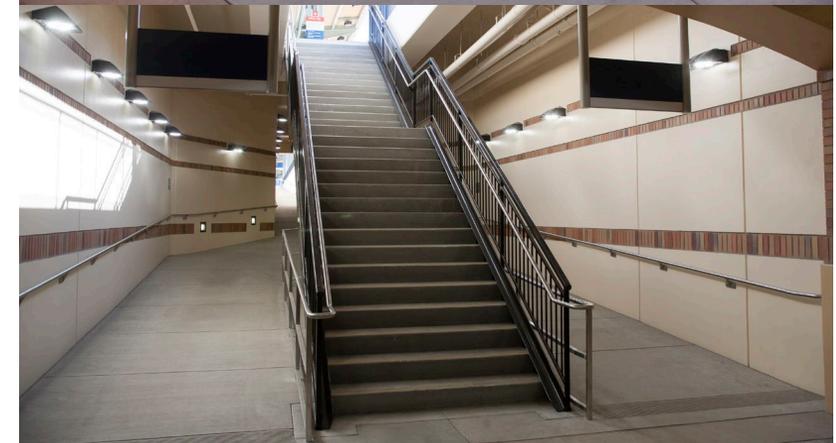
TRANSYSTEMS EXPERIENCE WITH SIMILAR PROJECTS



**Huntington Beach Pedestrian Bridge
over Pacific Coast Highway**
Los Angeles, CA



**Lomas Santa Fe Pedestrian Bridge
Solana Beach Station**
Solana Beach, CA



**Sacramento Rail Yards Pedestrian
Tunnel**
Sacramento, CA

PRELIMINARY POTENTIAL CROSSING LOCATIONS

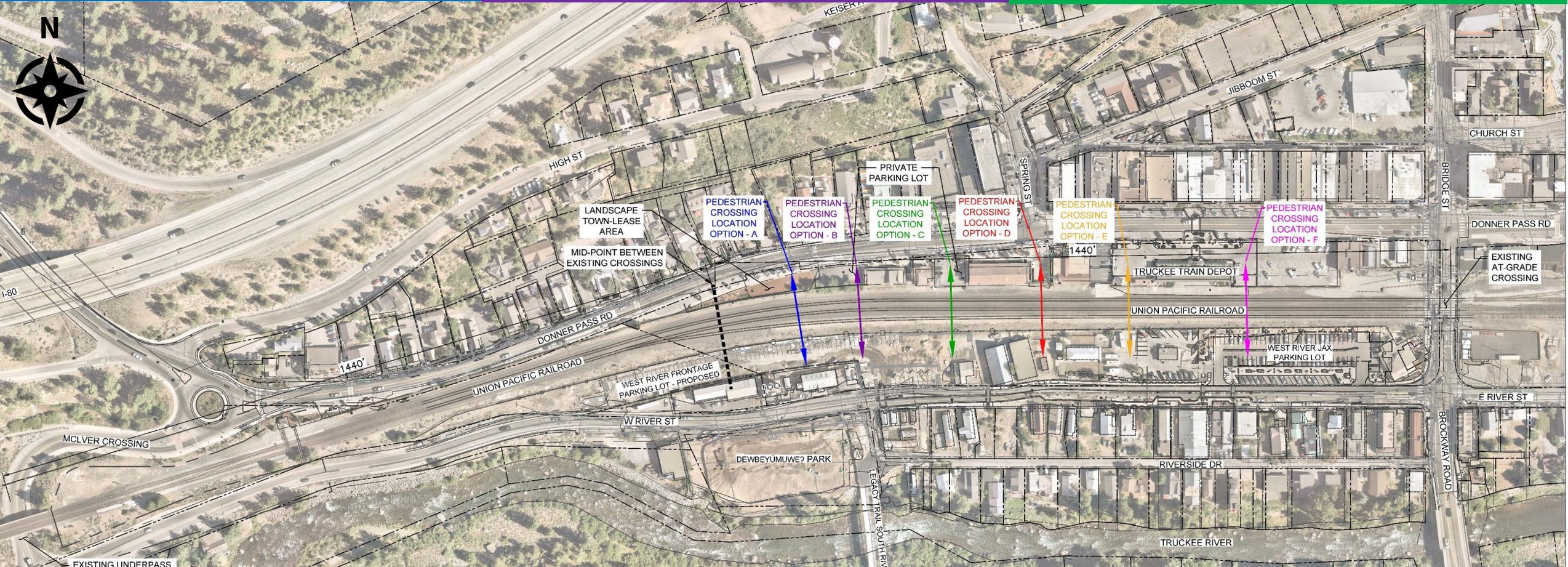
Criteria for the potential crossing locations selected:

- Safe and accessible.
- Aligned with Downtown pedestrian and bicycle circulation.
- Minimal impact to existing structures, environment.
- Located between the existing crossings at Bridge Street and the underpass east of the McIver roundabout.
- Provides connections from Downtown Truckee to recreational areas, trails, and local businesses.

LOCATION A
Utilize existing landscape area to connect to new parking lot

LOCATION B
Utilize existing parking lot to connect to new parking lot

LOCATION C
Utilize existing parking lot to connect to new parking lot.



LOCATION D
Utilize checkboard area and connects to existing industrial area.

LOCATION E
Utilize existing parking lot at Station to connect existing industrial area.

LOCATION F
Utilize existing parking lot at Station to connect to existing parking lot.

CONCEPTUAL CROSSING OPTIONS

OVERPASS

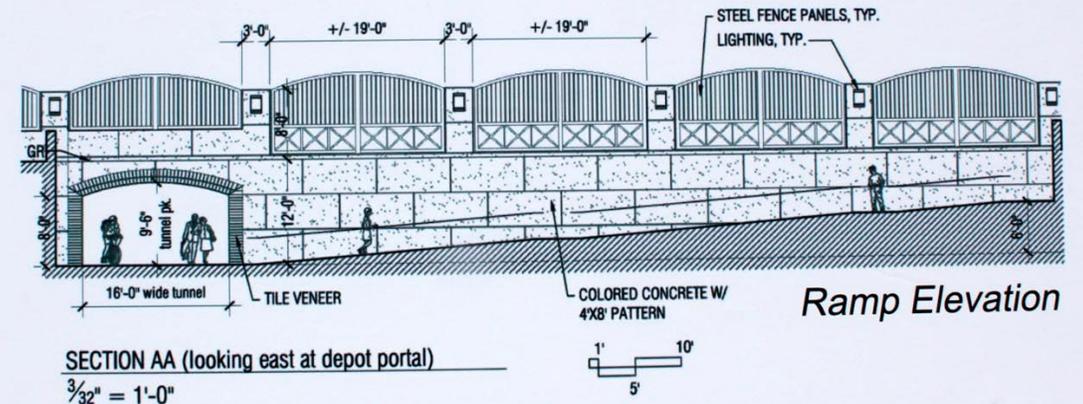
A structure that crosses over the tracks.

UNDERPASS

A tunnel that passes under the tracks.

AT-GRADE CROSSING

Involves safety measures and devices all crossing at the same level as the tracks.



AT-GRADE CROSSING

- › Typically, involves safety measures and devices that direct the flow of traffic and/or pedestrians at the same level as the tracks.
- › May not achieve the future project goals for safety and accessibility.
- › Unfortunately, new at-grade pathway crossings are not favored by UP and CPUC.

6.2 Bicycle/Pedestrian Pathways

UP does NOT allow new At-Grade Pathway Grade Crossings. Alternative plans should be considered to avoid crossing Railroad tracks at-grade. The addition of a bicycle lane or separate pedestrian Pathway should be reviewed for inclusion in the Highway-Rail Grade Crossing immediately adjacent, similar to a Sidewalk. Pathways parallel to the Railroad (inside the Railroad ROW) are not allowed. UP does not allow the use of the Railroad Access Roads for Pathway purposes.

UP will NOT permit any stand-alone recreational Pathways to cross the Railroad tracks at grade for safety reasons.

* Union Pacific Public Policy Manual, Section 6.2
Bicycle/Pedestrian Pathways (6-32)

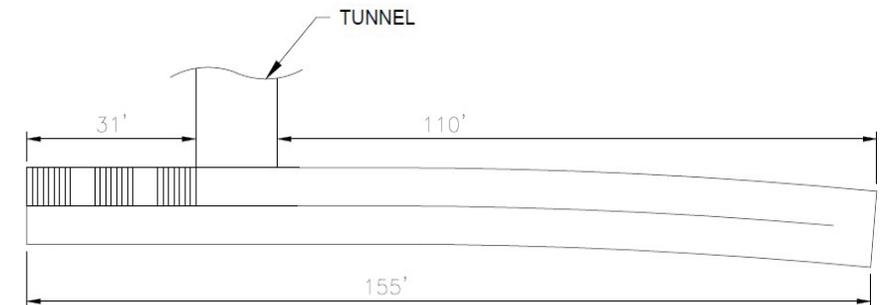
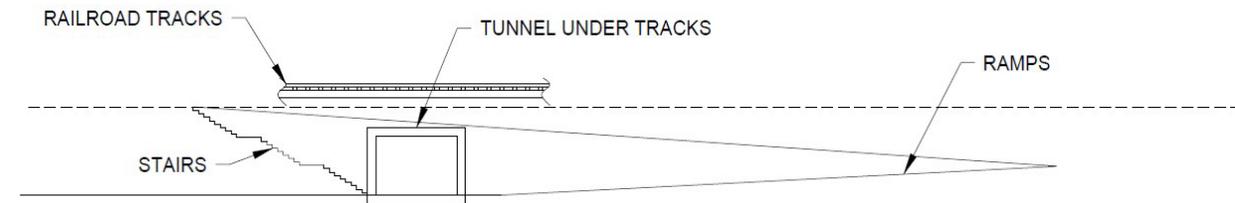
OVERPASS

- A structure that crosses over the tracks.
- Allows pedestrians and cyclists to travel over the tracks.
- Must “clear-span” the railroad right of way.
- Must provide 23ft, 4in clearance over the tracks.
- Structure may be about 35ft over tracks at highest point.
- Cannot interfere with railroad signal sightlines and visibility.
- Requires ramps, steps, and/or elevator access on each side.



UNDERPASS

- Tunnel that passes under the railroad right of way/tracks.
- Allowing pedestrians and cyclists to travel under the tracks.
- Access must be outside the fenced railroad right of way.
- Approximately 15ft x10ft size opening, with 1-6ft structure thickness for people.
- Typically needs 8ft of structure depth to support the track.
- Involves excavation under the tracks and extensive coordination with the railroad.
 - **Good news:** The existing UP railroad track in Truckee is 4-5 feet higher than the road on either side, requiring less digging/grade than expected.
- Requires ramps, steps, and/or elevator access on each either side.



NEXT STEPS

Initial Concepts and Footprints

- a. Development of initial design concepts
- b. Create footprints for each concept(s) in various locations
- c. Collect input and feedback from CRC, TAC, and other stakeholders
- d. Identify concerns and suggestions for improvement

Meeting #2: Early Concepts

TBD April 2025

Downtown Railroad Pedestrian Crossing Feasibility Study

TOWN OF
TRUCKEE

OPEN DISCUSSION AND WORKSHOP

TRANSYSTEMS



Downtown Railroad Pedestrian Crossing Feasibility Study



Technical Advisory Committee (TAC)

Meeting #1: Study Objective and Process

January 30, 2025

TRANSYSTEMS



Technical Advisory Committee (TAC)

PURPOSE

- Provide focused feedback and input on study elements
- Disseminate study information internally to staff and team members
- Ensure internal department goals and priorities are considered.

MEMBERS

- Communications PIO
- Department Head Team
- Disaster Preparedness
- Diversity, Equity, and Inclusion
- Economic Development
- Public Transportation
- Police Department



Meeting #1

*Study Objective and Purpose
January 30*

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Meeting #2

Early Concepts
TBD April 2025

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Estimated 2-3 Subsequent Meeting(s)

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