



Overview of Solano Mobility Hub Rail Station

**Solano Transportation Authority
*Board of Directors***

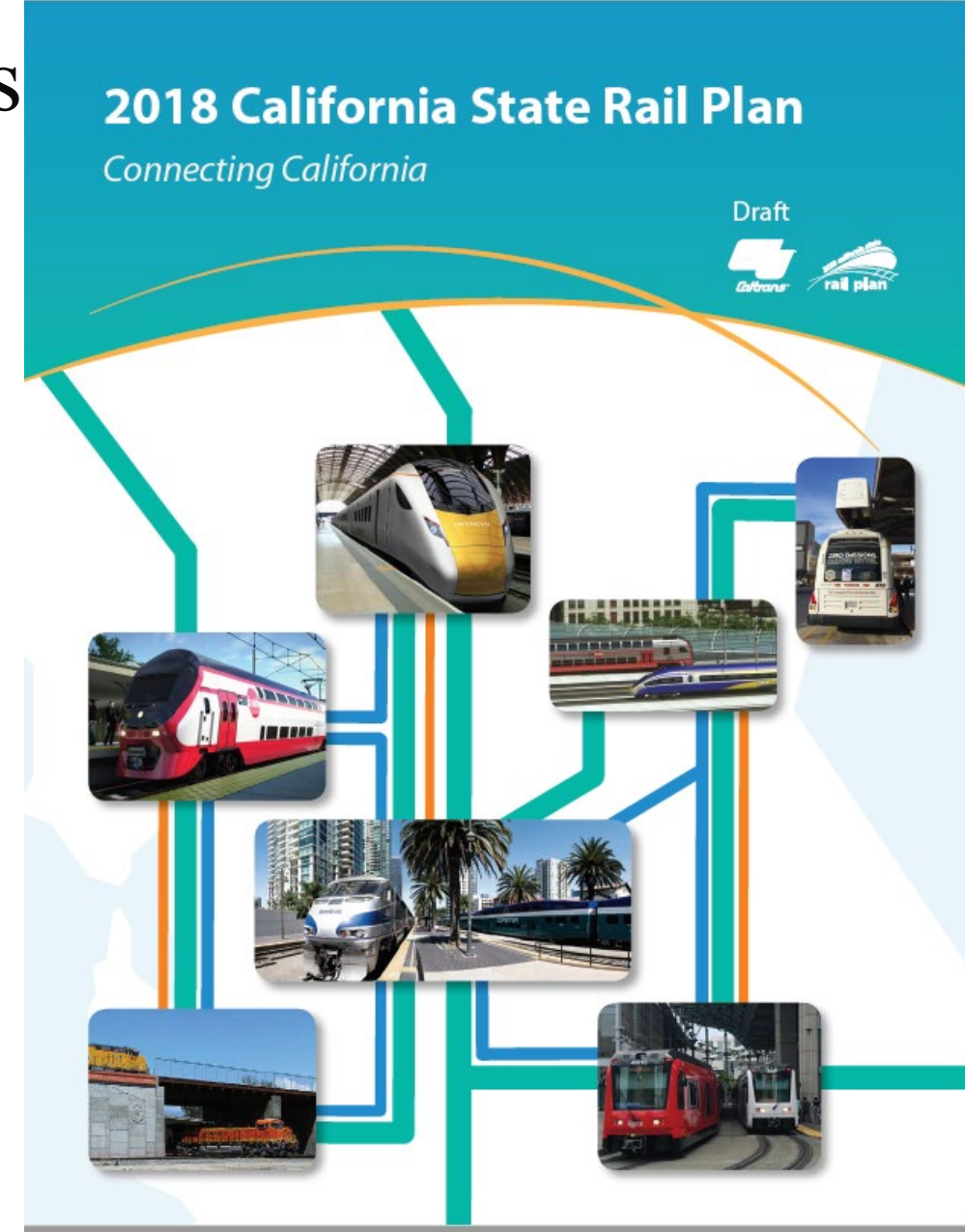
January 13, 2020

Overview

1. Introduction of the Solano Mobility Hub: 2018 CA State Rail Plan
2. SMART Extension Station Feasibility Report: Location of Solano Mobility Hub
3. Mobility Hub Conceptual Layout: Win-Win-Win Approach
4. Supporting Projects:
 - ✓ Capitol Corridor Vision Implementation Plan
 - ✓ Link 21 Program (2nd Transbay Rail Crossing)
5. Next steps

2018 CA State Rail Plan: Mobility Hubs

- Hubs are strategic locations throughout the state's passenger rail network
 - ❖ Used in Asian, European rail networks
 - ❖ Larger scale stations support timed-transfers between various trains + local/regional buses
 - ❖ Interchange points increase potential for successful TOD
 - ❖ NorCal Hubs: Sacramento, Richmond BART
- Identified Mobility Hub in Solano Co



SMART Extension Station Feasibility Report

- Identify locations for SMART rail station sites in county
 - Financed by STA, CalSTA
- Criteria:
 - Adhere to design criteria Capitol Corridor, SMART services
 - Provide safe experiences for passengers using trains, stations
 - Meet community housing goals
 - Align with 2018 CSRP service plans
- Final draft to STA Board Jan 2021



Evaluation of SMART Train Sites

- Intermediate SMART train stop
- Reviewed four sites:
 - Red Top Road (new alignment at SR-12)
 - Red Top Road I-80
 - W Cordelia Road/I-80/I-680
 - Cordelia Road/Lopes Road



Key Finding: Solano Mobility Hub

- Suisun-Fairfield station selected as key intermodal station
- Opportunities:
 - ✓ Helps influence upcoming 2022 CSRP
 - ✓ Includes added 3rd track for increased train frequencies → Cap Corr *Vision Plan*
 - ✓ Improves Suisun City-Fairfield connections
 - ✓ Safer passenger experience at station (i.e., grade-separated access platforms)
 - ✓ Capturing new markets based on trip data
 - ✓ Aligns with Plan Bay Area 2050 jobs, housing goals



Locations in Solano County

Conceptual Layout: Solano Mobility Hub - Suisun/Fairfield Station

- Relocate preserved station building
- Creates public placemaking
- Efficient space use: locates station platforms **under** highway 12
- Improves connection between cities (via underpass or overpass)
- 300 at-grade parking spaces north of HWY 12 and south of Main St.
- Transfer for pulsed bus services at Fairfield side adjacent to PG&E
- Catalyst for housing development

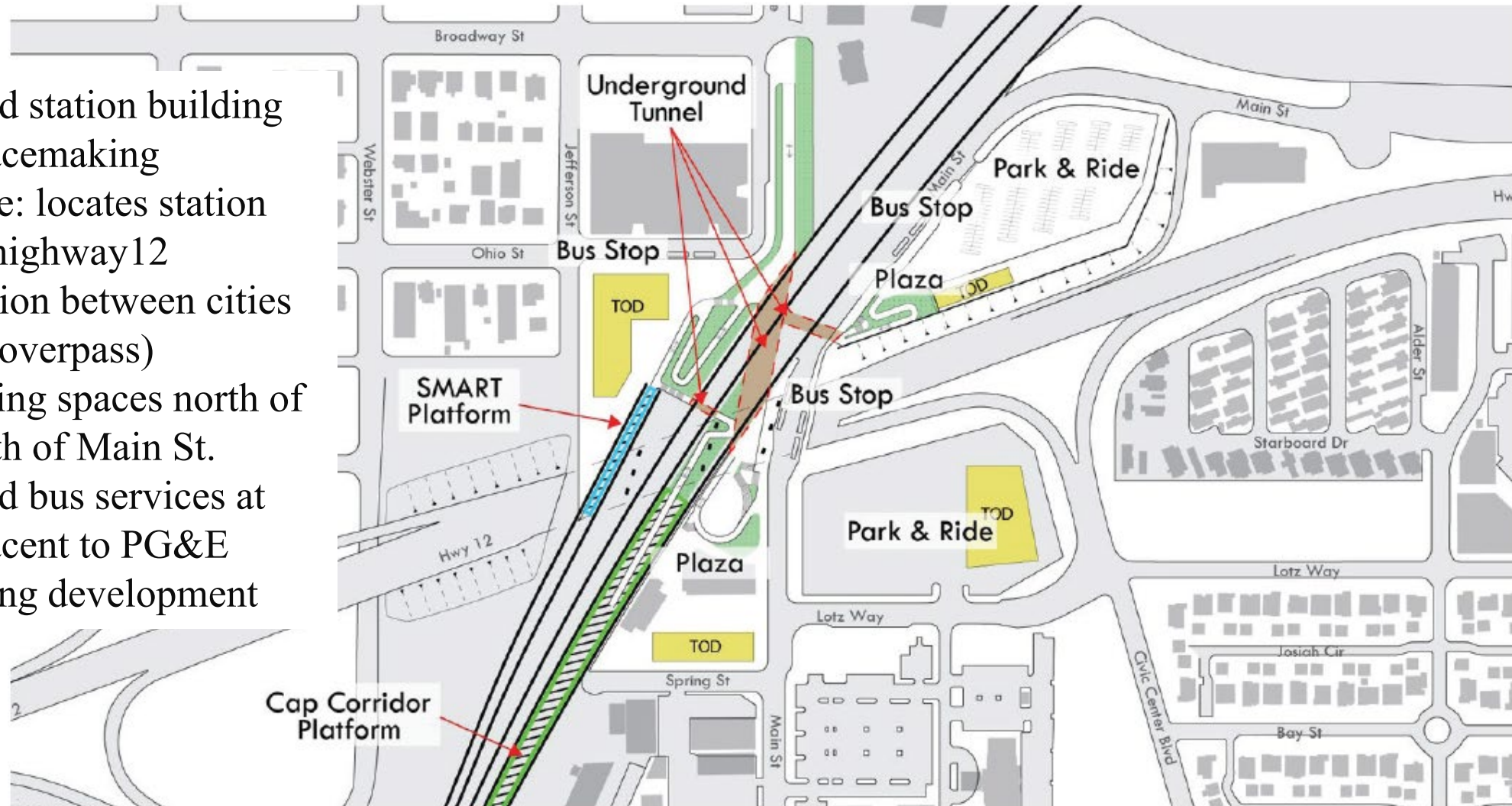
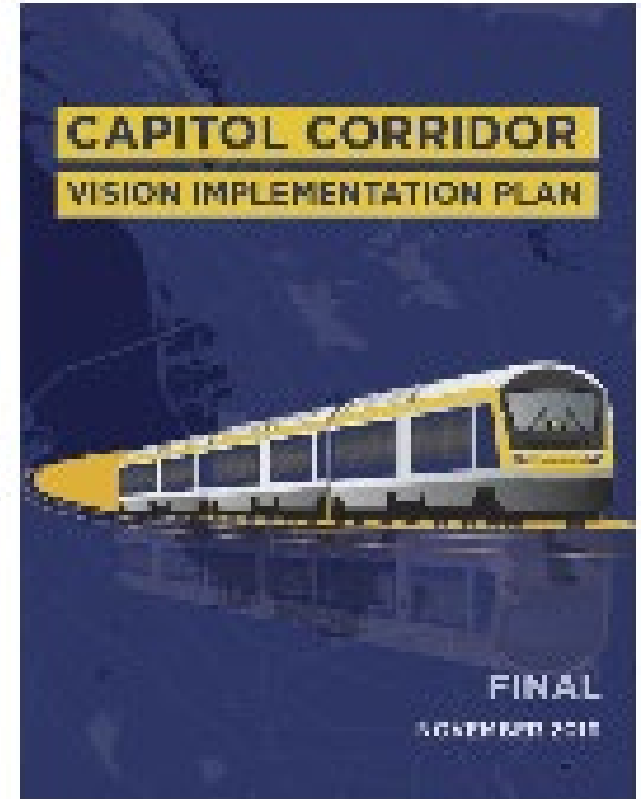


Figure 8: Plan view, Suisun-Fairfield Station Improvements

Supporting Projects

- *CCJPA Vision Implementation Plan (VIP)*
 - Multi-phase program of projects to increase frequencies, train speeds on Cap Corr route
 - Solano County 3rd track identified to ensure high frequency service plan (3-4 trains/peak hr.)
 - Work with CCJPA to include 3rd track project, Mobility Hub are in CIP
- **Link 21 (formerly 2nd TransBay Rail Crossing)**
 - New crossing for regional trains connecting SF/Peninsula to East Bay/Sacramento
 - Maximize use of new crossing to serve new markets supported by regional infrastructure (i.e., Solano 3rd Track)



Next Steps

ACTION: Approve Suisun-Fairfield Station as the Solano Mobility Hub

- Memorializes region's position and helps develop 2022 CSRP
- Maintain coordination, involvement among STA, Suisun City, Fairfield, County and Capitol Corridor JPA → hub siting and development
- Pursue near-term funding for initial PSR + planning/RoW/env'l studies
- Develop integrated station area plan → improve connections between downtown Suisun City and downtown Fairfield; increase housing supply
- Explore funding opportunities (state/TIRCP, federal transit/railroad/stimulus, infrastructure finance district)
- Work with CCJPA, CSRP and Link21 teams to support station upgrades, 3rd Track Project

Recommendation

Approve the following:

- SMART Rail Feasibility Study; and
- Designation of the Suisun-Fairfield Capitol Corridor Station as the location of the future Solano Rail Hub Station Project, as recommended by the Feasibility Study.

For questions regarding the Solano Rail Hub Project, please contact:

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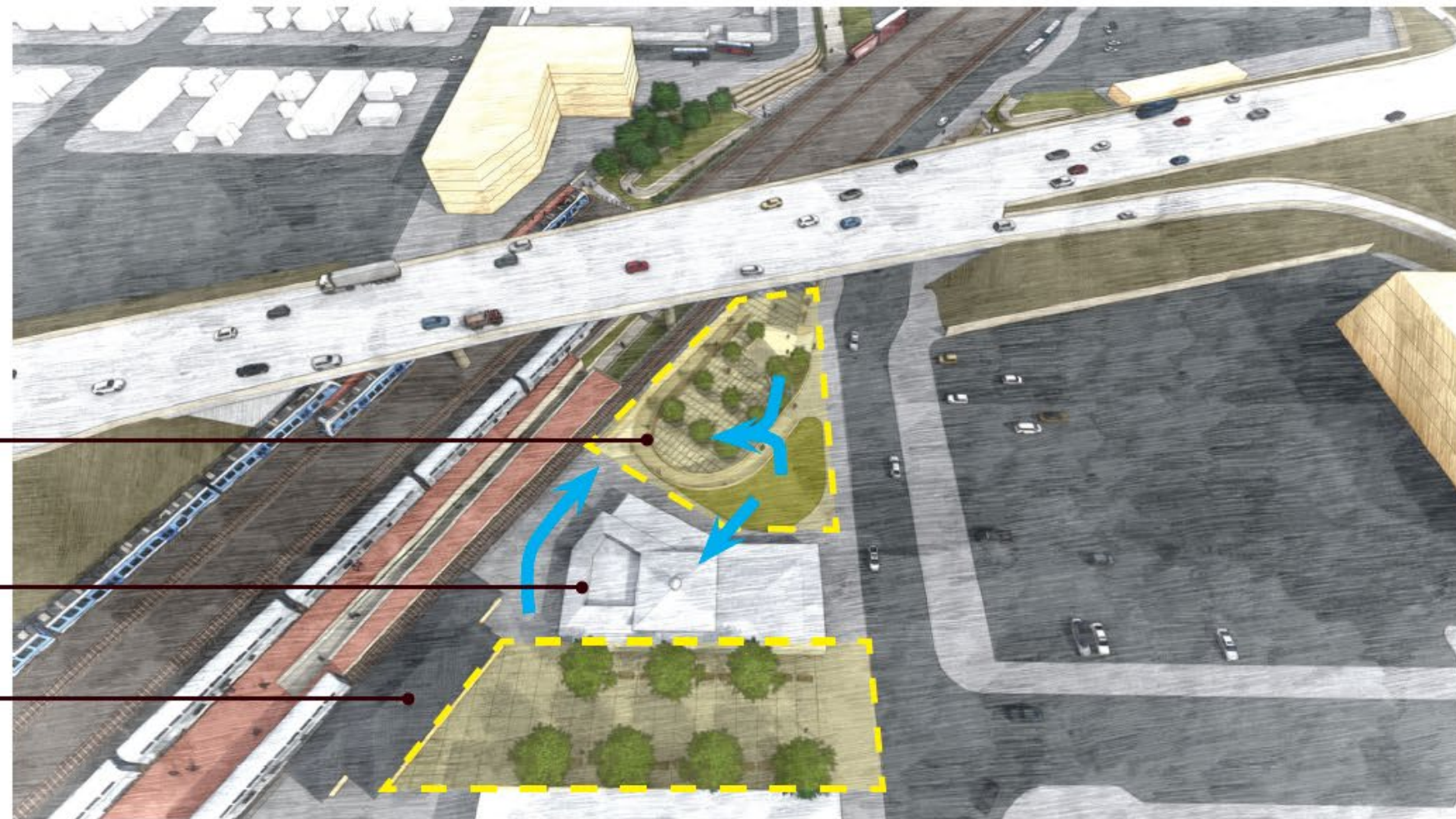
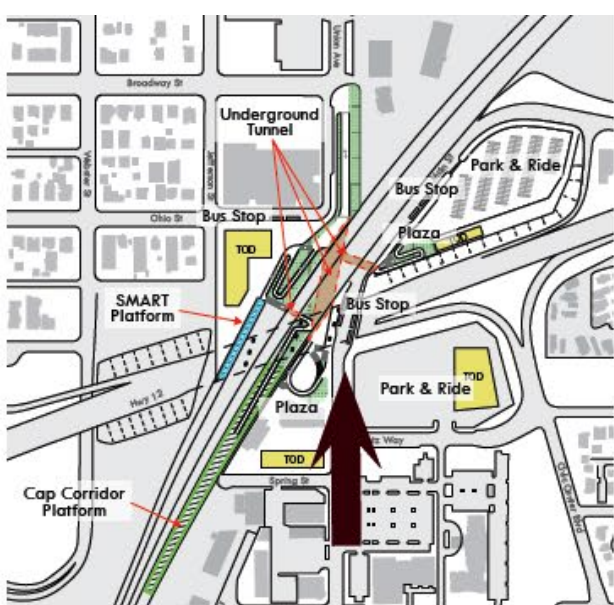
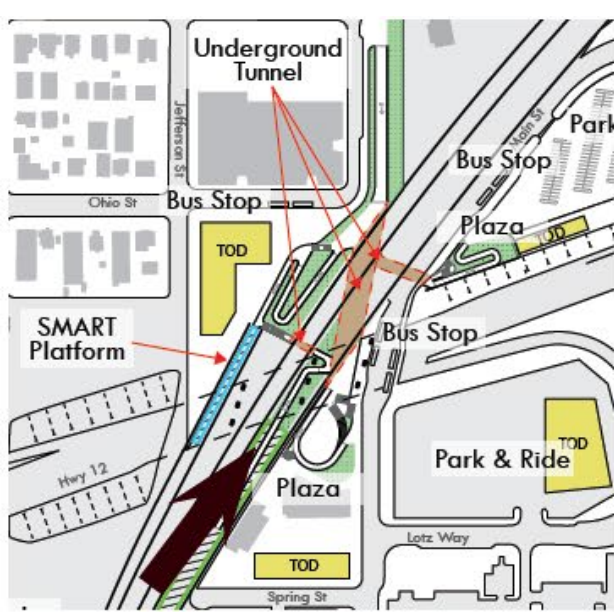


Figure 10: Suisun-Fairfield Station, Aerial View Looking North

Reimagine existing plaza with new design

Preserve existing retail

Preserve Station building and create station plaza opportunity to improve visibility

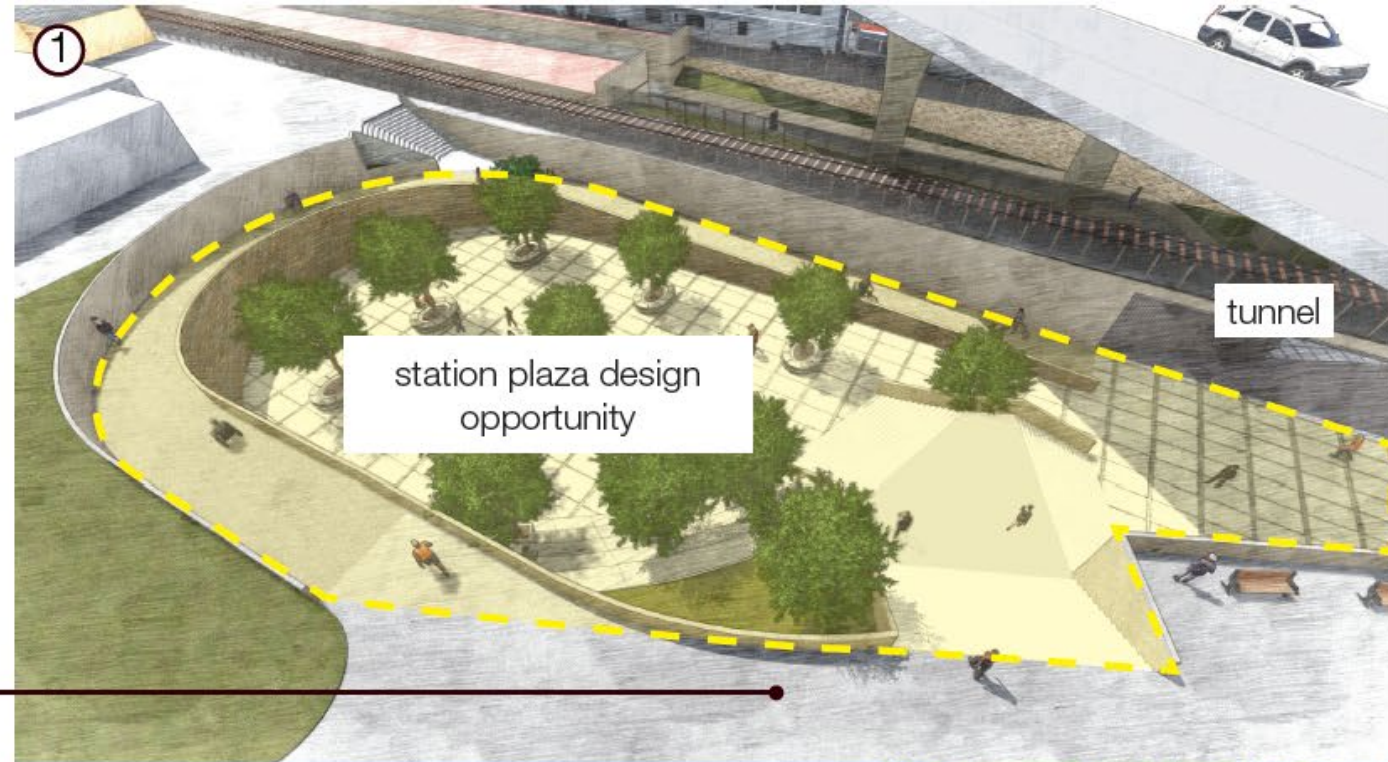
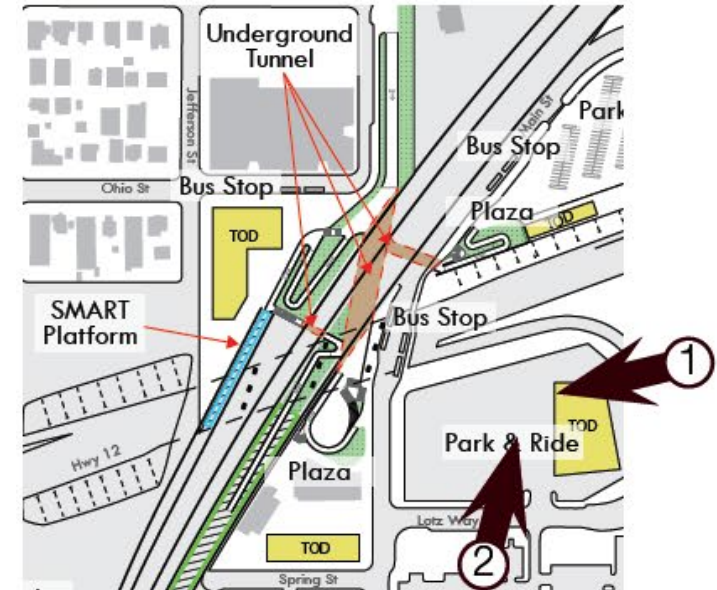


Preserve and relocate Suisun Station

Capitol Corridor platform



Figure 11: Suisun-Fairfield Station, Platform View



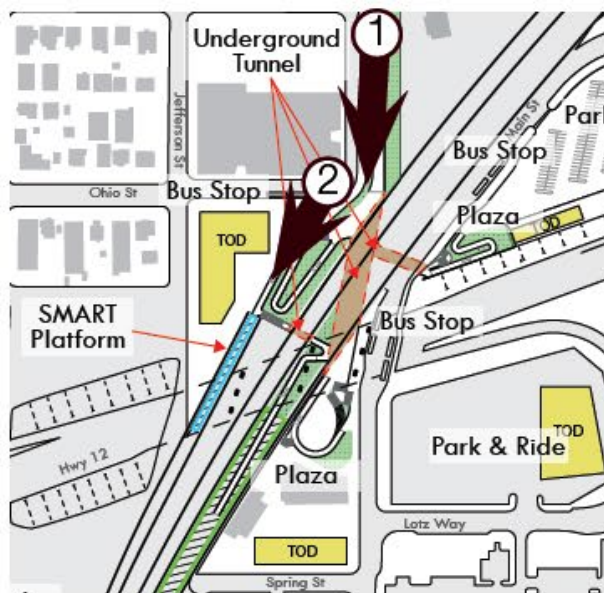
High visibility access opportunity, ramp and stairs



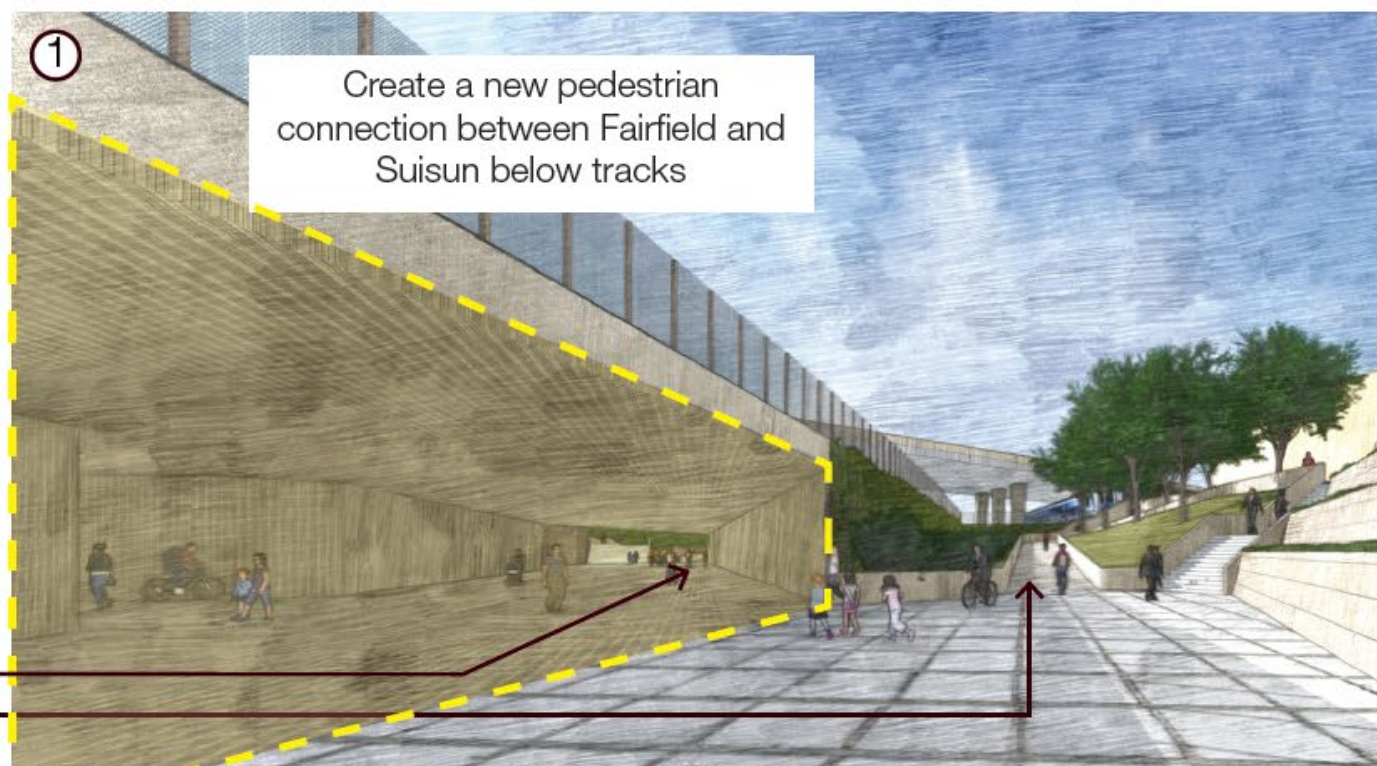
Opportunity to introduce patron amenity and activation in plaza

Reimagine existing plaza

Figure 13: Suisun-Fairfield Station, Plaza Opportunity



To Capitol Corridor Platform
To SMART Platform

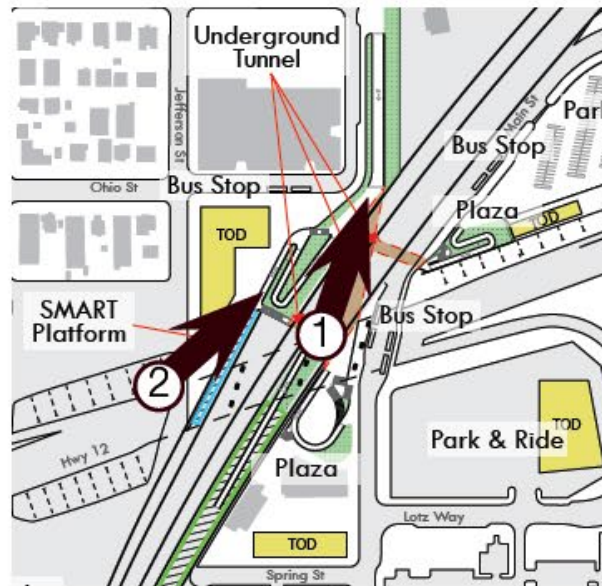


SMART Platform

Tunnel to Capitol Corridor Platform

Design new stair and ramps to
underground crossing

Figure 14: Suisun-Fairfield Station, Pedestrian Tunnel



Eliminate blind spots, design for safety

SMART Platform

Approach to tunnel to Capitol
Corridor Platform

Greening and design opportunity



Figure 15: Suisun-Fairfield Station, Pedestrian Access

Station Neighborhood

- Suisun-Fairfield Station Planning Area
- 1/3 mile: 200 acres
- 2/3 mile: 700 acres

