

# **SOLANO RAIL HUB: PROJECT STUDY REPORT PHASE I**

## **► Summary and Next Steps**

**STA Board of Directors**

**June 8, 2022**

# SOLANO RAIL HUB PROJECT

- 2018 California State Rail Plan (2018 CSRP) identified a “Solano County Hub”
- STA completed an initial planning study in January 2021
  - Suisun-Fairfield Station was best qualified site for a Hub in Solano
  - STA Board designates Suisun-Fairfield Capitol Corridor Station as the “Solano Rail Hub”

# PURPOSE OF PHASE I REPORT

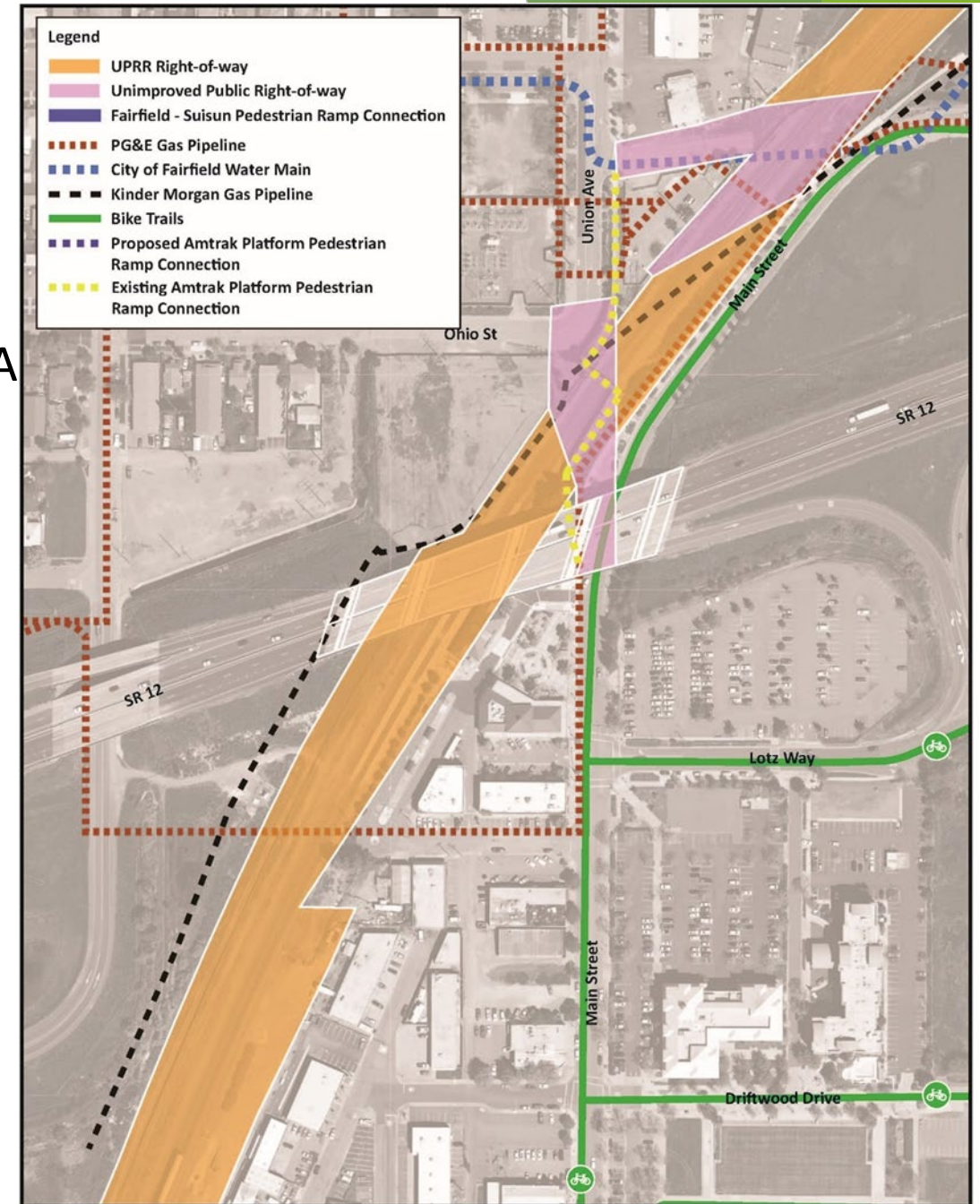
- **GOAL:** Identify design criteria and concepts for the Solano Rail Hub Project
  - Improve passenger and pedestrian safety
  - Upgrade passenger experience
  - Enhance community access
- **KEY PROJECT COMPONENTS:**
  - Replace with wider center and grade-separated platform
  - Replace existing pedestrian bridge connecting Suisun and Fairfield with a connection that is ADA-compliant
  - Add a third mainline track
- **PROJECT BENEFITS:**
  - Third mainline track will eliminate “hold-out rule” to improve freight train fluidity and increase passenger train reliability
  - Supports current Service Concepts in **Link21**
  - Aligns with Plan Bay Area 2050 employment and housing long-range plans



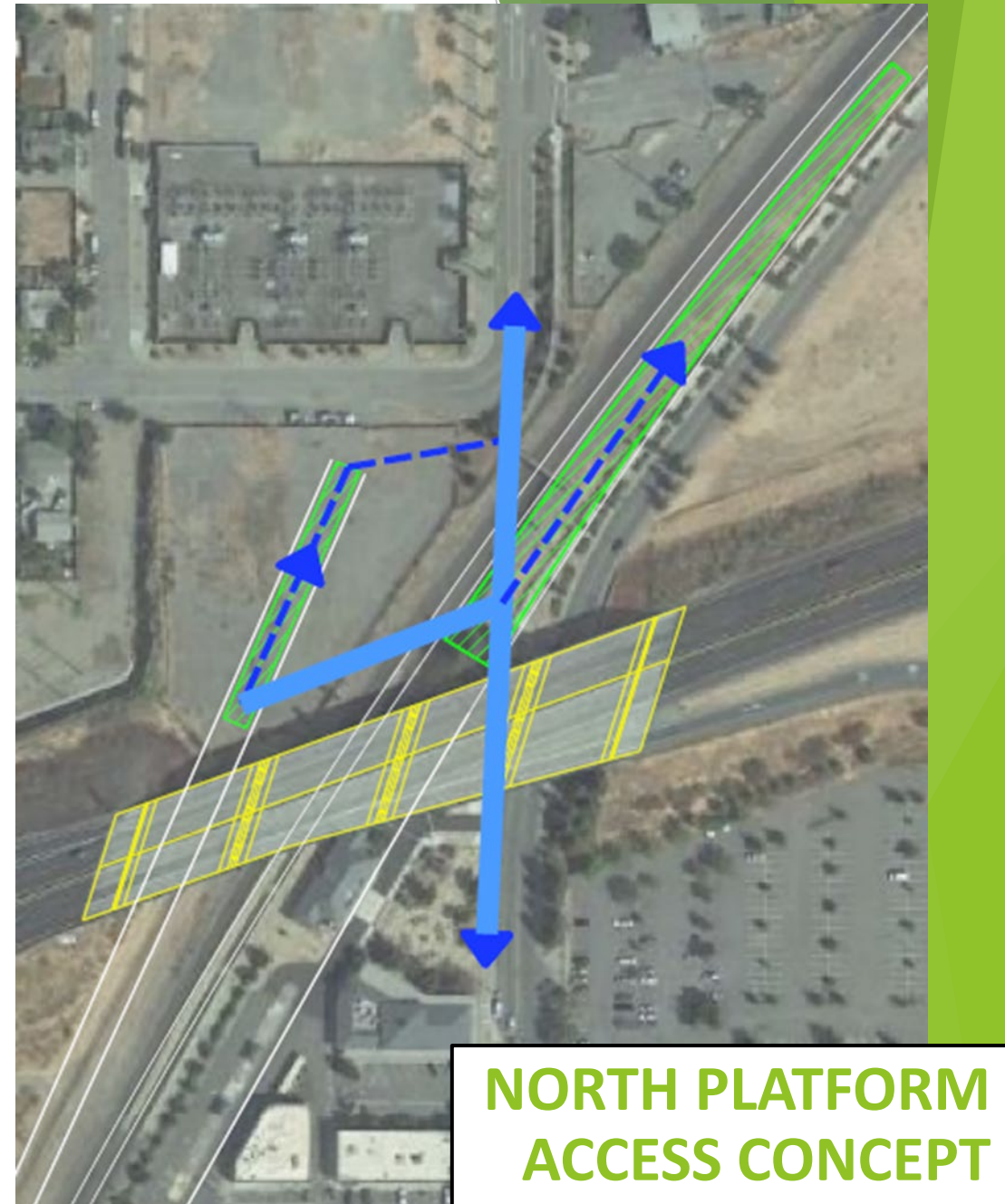


# TASKS FOR REPORT

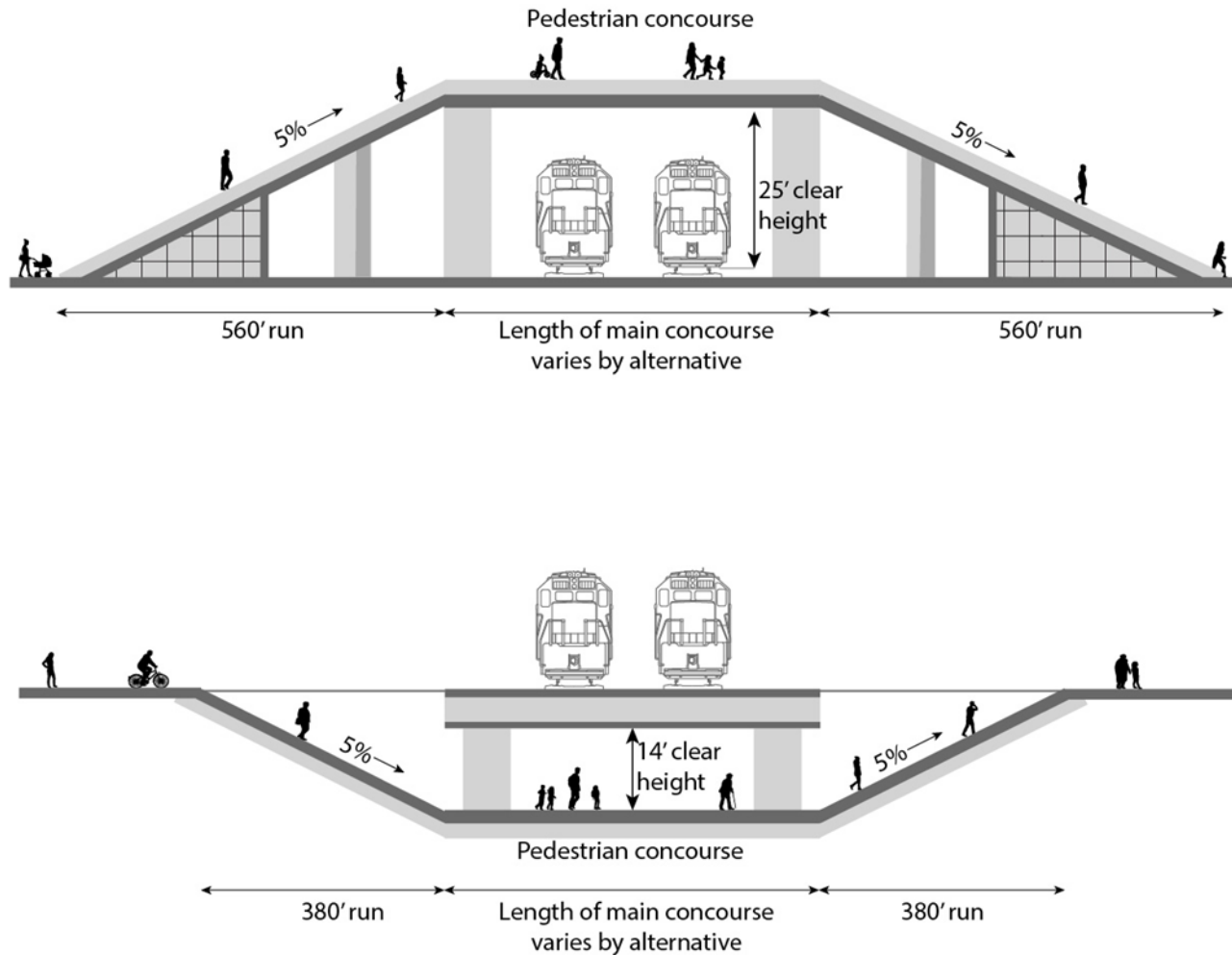
- Develop Project Guiding Principles
  - Principle: Confine project footprint to the railroad or public rights-of-way to meet CEQA exemptions and NEPA exclusion
- Develop Design Criteria
- Understand Right-of-Way and Utility Constraints
  - Utilities
  - Union Pacific Railroad (UP)
  - State Highway 12
  - Natural conditions: Water Table
- Identify Pedestrian Crossing Alternatives: Overcrossing and Undercrossing Variants







# PROFILE VIEW OF CONCEPT ALTERNATIVES \*



\*For illustrative purposes; Not to scale

# PRELIMINARY PLANNING COST ESTIMATES \*

Project Phase	Bridge	Tunnel
Environmental Review/Outreach (1%)	\$0.9M	\$1.5M
Preliminary Engineering/30% Design (7%)	\$6.1M	\$10.5M
<b><i>Subtotal Project Development (8%)</i></b>	<b><i>\$7.0M</i></b>	<b><i>\$12.0M</i></b>
Final Design/Construction (92%)	\$81.0M	\$138.08M
TOTAL	\$88.0M	\$150.0M

\*For initial planning purposes only; Not for design/construction procurement

# FEEDBACK FROM PROJECT LEADERSHIP TEAM (PLT)

- Consensus from the PLT that seeking only CEQA exemptions/NEPA exclusions limited the desired design flexibility.
  - PLT requested exploring further design options that are outside the railroad and public right of way
- CCJPA additionally requested the preparation of cursory concepts rather than detailed alternatives in order to initiate discussions with UP



# REPORT REVIEW/APPROVAL\*

- Briefing with STA staff - week of April 25
- Review by Project Leadership Team (PLT) and Executive Steering Committee (ESC)–Early May
- Presentation to the STA TAC–May 25
- Briefing with Policy Committee–June 7
- Presentation to STA Board for Approval of the Report–June 8
- Presentation to the CCJPA Board–June 15
- Presentation to CalSTA–July (TBD)

*\*Report will be updated/revised based on input from project partners*

## **NEXT STEPS**

- 1. Submittal of Correspondence from STA to CalSTA and CCJPA (June-July 2022)**
- 2. Initiate Solano Rail Hub Project Study Report (PSR) Phase II (June 2022-Spring 2023)**
- 3. Pursue Funding to support SRH Project Development Phase (Fall 2022-Early 2023)**

# Recommendation

## ► Approve the following:

1. *Solano Rail Hub Advanced Planning Study*, as shown in Attachment A;
2. Authorize the submission of a letter to the Capitol Corridor Joint Powers Authority (CCJPA) requesting the addition of the Solano Rail Hub Project in the CCJPA Business Plan, as shown in Attachment B; and
3. Authorize the submission of a letter to CalSTA informing them of the official designation of the Suisun-Fairfield Capitol Corridor Station as the Solano Rail Hub, as shown in Attachment C.

# Questions?

Kathrina Gregana

Assistant Planner

Solano Transportation Authority

[kgregana@sta.ca.gov](mailto:kgregana@sta.ca.gov)



Dave Kutrosky

DBK Advisory Services

[david@dbkadvisoryservices.com](mailto:david@dbkadvisoryservices.com)