



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”

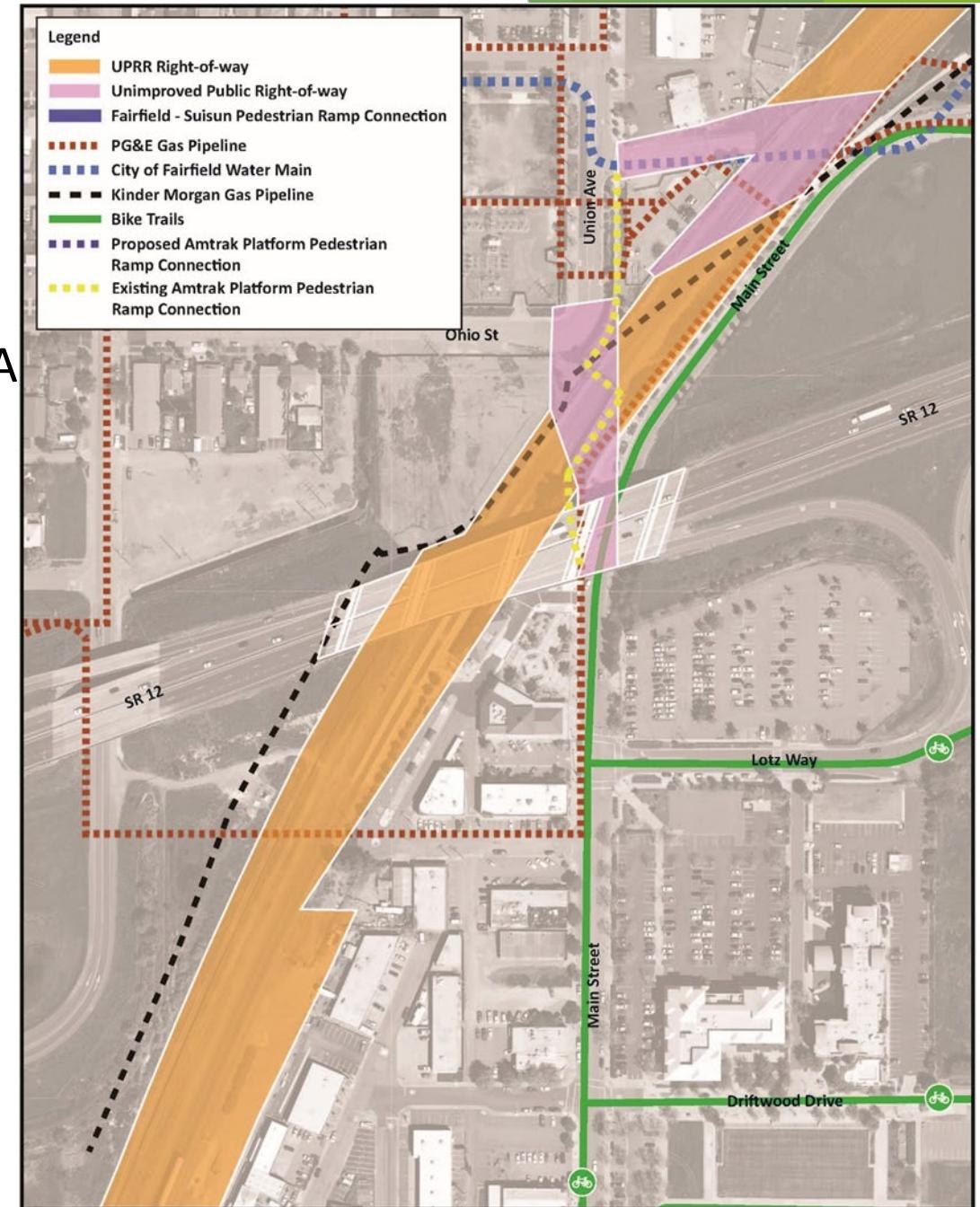
PURPOSE OF PHASE I REPORT

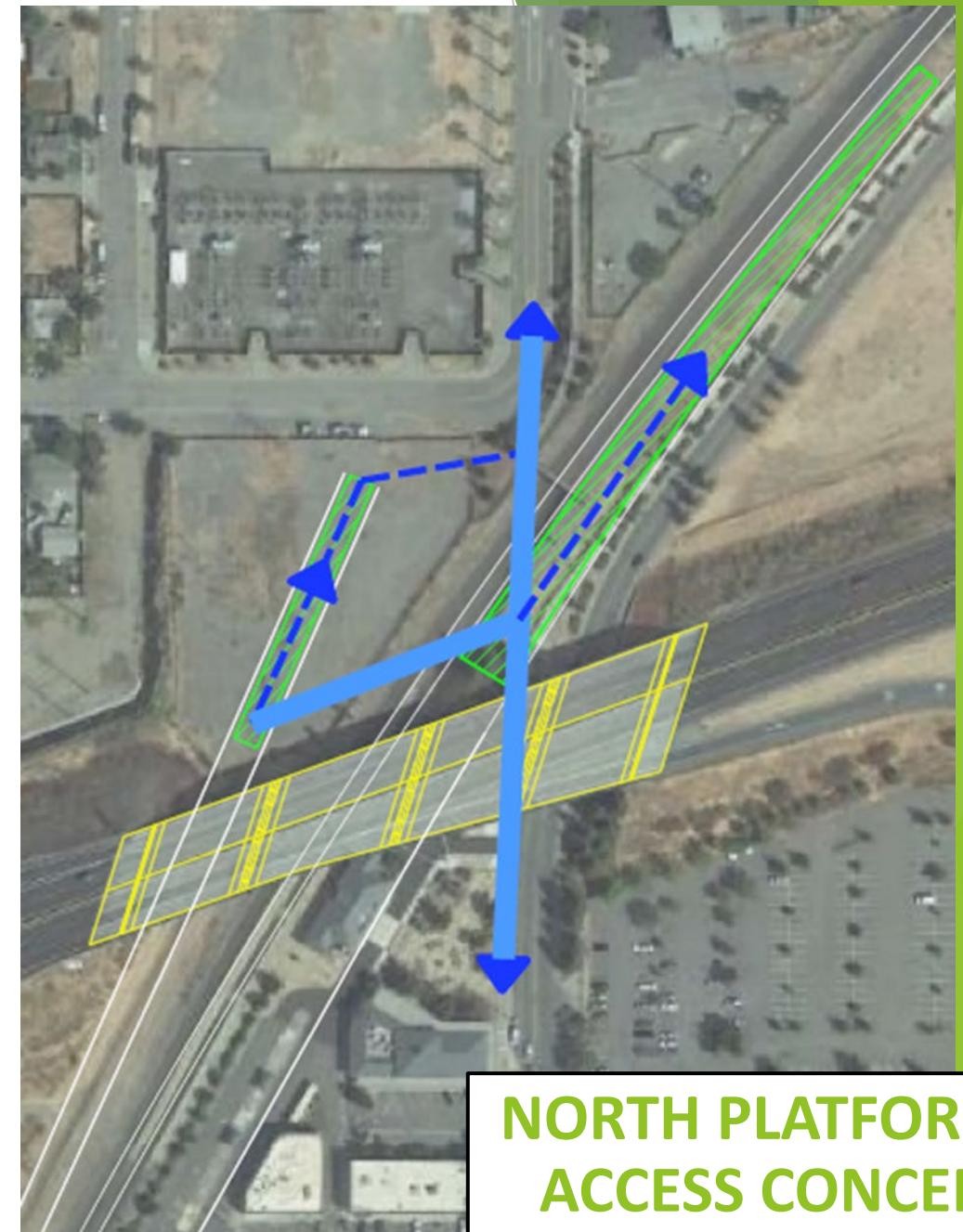
- **GOAL:** Identify design criteria and concepts for the Solano Rail Hub Project
 - Improve passenger and pedestrian safety
 - Upgrade passenger experience
 - Enhance community access
- **KEY PROJECT COMPONENTS:**
 - Replace with wider center and grade-separated platform
 - Replace existing pedestrian 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



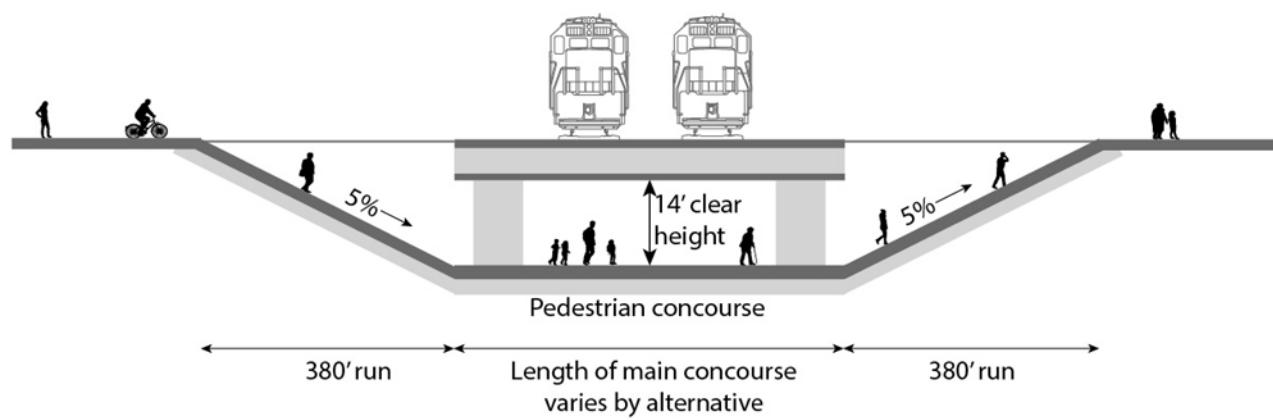
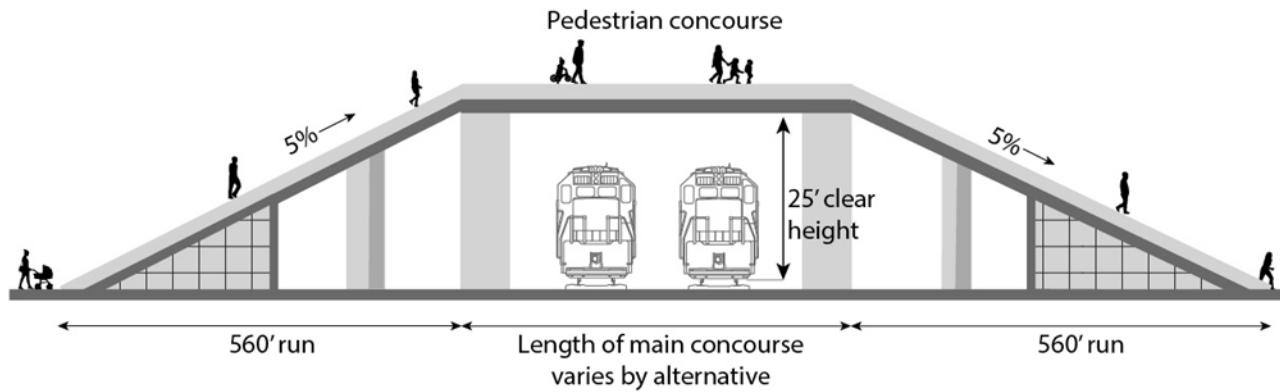
TASKS FOR REPORT

- 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
<i>Subtotal Project Development (8%)</i>	\$7.0M	\$12.0M
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



Dave Kutrosky
DBK Advisory Services
david@dbkadvisoryservices.com