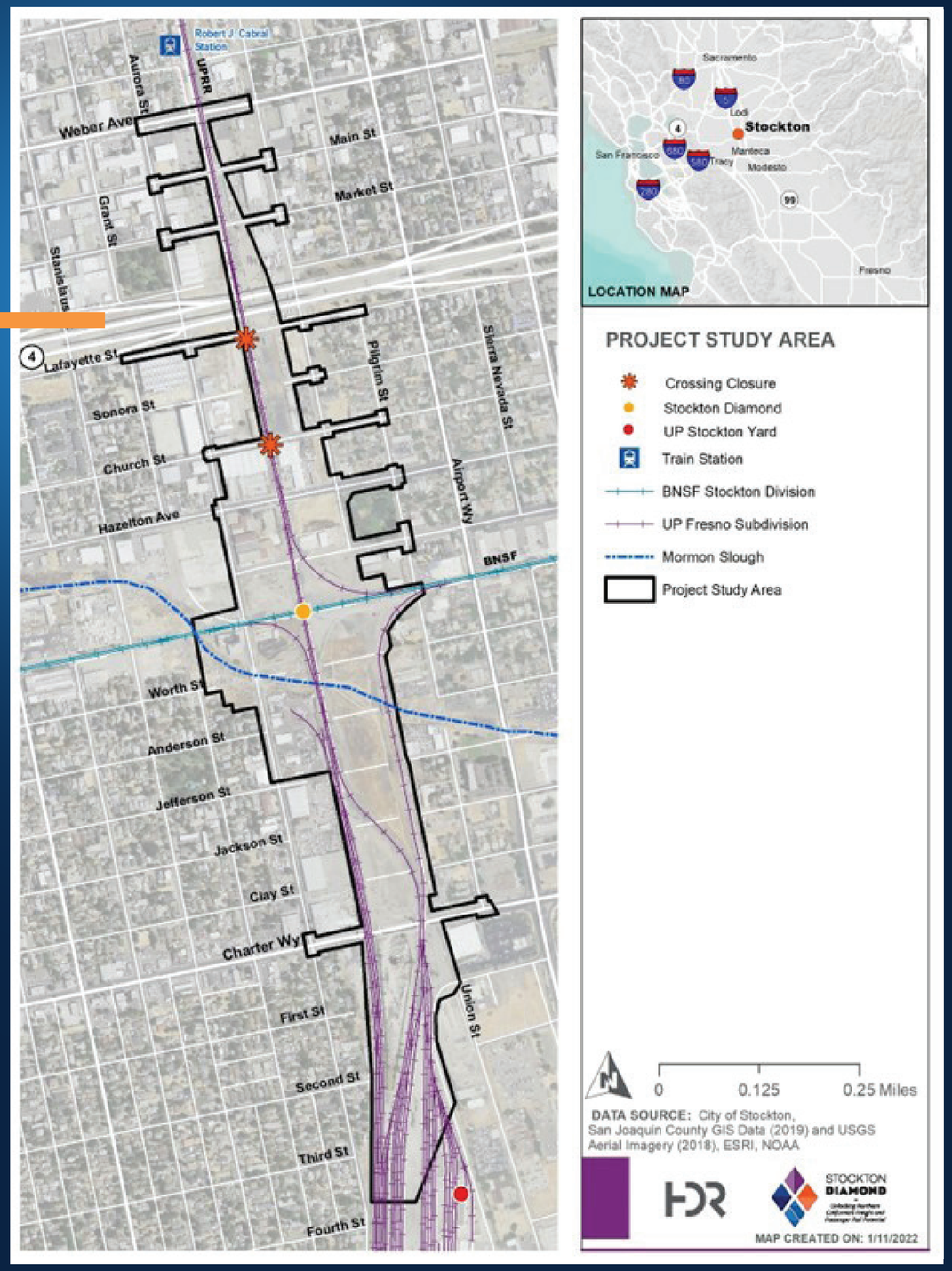
Project Overview

Today, the tracks of two major railways intersect at grade in the city of Stockton at what is called the Stockton Diamond, **the busiest, most congested rail bottleneck in California.**

- **Critical** transportation **hub** for freight from Port of Stockton to national network and for passenger service between affordable housing and jobs
- Significant rail **congestion** and service **delays** which impact **frequency**, **reliability** and **expansion** potential
- Local **multi-modal delays** at rail crossings



Project Benefits

Stockton Diamond Grade Separation Project

Stimulate Mobility

by reducing conflicting train movements.

This means:

- Improved local traffic resulting from reduced delays at rail crossings
- Reduced delay and improved reliability for ACE and San Joaquins passengers

Enhance Safety*

by improving access and mobility for City of Stockton residents.

This means:

- Enhanced sidewalks, curbs and gutters on E. Weber, E. Main, E. Market & E. Scotts
- Bike & pedestrian improvements on E. Weber, E. Main, E. Market, E. Hazelton & E. Scotts
- Modifications and upgrades at existing crossings
- Grade separation and road closures reduce train conflicts with vehicles and bikes/pedestrians

** Proposed enhancements can be viewed at Station 3.*

STOCKTON DIAMOND

Economic Vitality

by reducing delays and increasing the movement of goods.

This means:

- Improved freight movement and increased throughput for delivery of goods
- Decreased fuel consumption results in cost savings for rail operation

Inspire Connections

by supporting faster, more reliable passenger rail travel options.

This means:

- Faster, more reliable travel options for passengers connecting housing to jobs
- Rail structures create opportunity for future Charter Way underpass improvements
- Grade separation at E. Hazelton accommodates future multimodal improvements

Sustainability

by improving air quality.

This means:

- Grade separation allows trains to move through Stockton Diamond quickly causing less idling trains and vehicles resulting in reduced greenhouse gas emissions and improved regional air quality
- Structure across Mormon Slough accommodates future flood flows

Project Alternatives

Stockton Diamond Grade Separation Project

Alternatives Evaluated in Draft Environmental Assessment

ALTERNATIVE 1
No-Build Alternative

ALTERNATIVE 2
Proposed Project

STOCKTON DIAMOND

Project Schedule

Stockton Diamond Grade Separation Project

Completed Active Future

We are here

* Public Engagement Opportunity

Project Phases	2020	2021	2022	2023	2024	2025	2026
Environmental Studies SPRING 2020 - SUMMER 2022							
	NOP/Scoping * – Summer 2020						
	Environmental Studies & Analysis – Spring 2020-Spring 2022						
		Draft Environmental Impact Report (EIR) * – Spring 2021					
		Final EIR & SJRRC Approval – Summer 2021					
			Draft Environmental Assessment – Spring 2022				
			Draft EA Public Comment Period * – March 28-April 27, 2022				
			Final EA & CHSRA Approval – Summer 2022				
Final Design and Right-of-Way SUMMER 2022 - SPRING 2023							
			Engineering Studies – Summer 2021-Spring 2023				
			Utility Coordination & Relocation – Winter 2021-Winter 2023				
			Environmental Permitting – Spring 2022-Spring 2023				
			Final Design Plans (30% Completion) – Summer 2022				
			Right-of-Way Pre-Acquisition Activities – Winter 2021-Summer 2022				
			Right-of-Way Property Acquisitions – Summer 2022-Winter 2022/23				
			Final Design Plans (60% Completion) * – Winter 2022/23				
			Final Design Plans (90% Completion) – Spring 2023				
			Right-of-Way Certification – Spring 2023				
			Final Design Plans & Construction Kick-Off * – Summer 2023				
Construction SUMMER 2023 - SUMMER 2026							
Public Outreach							

Proposed Solution

Stockton Diamond Grade Separation Project

The proposed Project would grade separate the main tracks, BNSF Railway (BNSF) and Union Pacific Railroad (UP) to elevate UP main track over BNSF main track.

Grade separation with flyover bridge considered

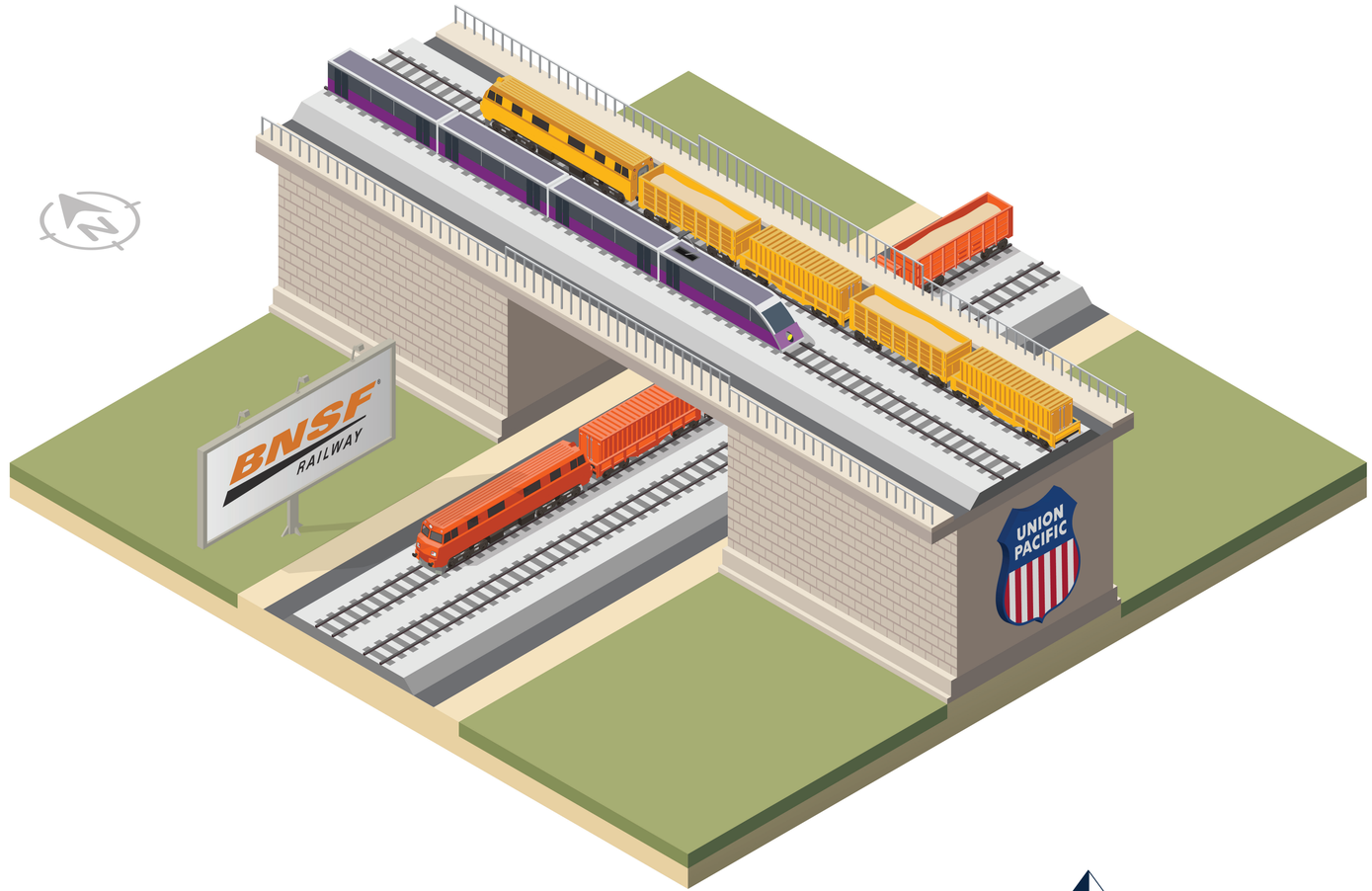
Uninterrupted rail flow through crossing

Identification of feasible concepts

Partner and stakeholder coordination

Grade separation concept reviewed for potential environmental effects

Identification of Best Management Practices (BMP) and mitigation measures



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Structural Design Options

Stockton Diamond Grade Separation Project

Three structure design options are being studied for the flyover structure.

Earthen Embankment

Retaining Wall

Viaduct

STOCKTON DIAMOND

Resources Analyzed in the Draft EA

Stockton Diamond Grade Separation Project

- Land Use & Planning
- Community Effects & Growth
- Air Quality
- Noise & Ground-borne Vibration
- Visual Quality & Aesthetics
- Parks & Recreation & Section 4(f) Resources
- Biological Resources
- Hydrology, Floodplains & Water Quality
- Cultural Resources
- Hazardous Waste & Materials
- Traffic, Transportation, Pedestrian & Bicycle Facilities
- Geology, Soils, Seismicity & Paleontology
- Relocations & Real Property Acquisition
- Utilities & Emergency Services
- Environmental Justice
- Cumulative Effects

STOCKTON DIAMOND

Key Project Findings of the Draft EA

Stockton Diamond Grade Separation Project

The Proposed Project WOULD

- Result in **overall beneficial effect** on:

Long-term Air Quality

Traffic and Transportation

Visual Quality

The Proposed Project WOULD NOT

- Result in **adverse effects** on the following resources, with mitigation:

Biological Resources

Relocations & Real Property Acquisition

Land Use & Planning

Noise & Ground-borne Vibration

- Result in adverse effects **on any resource evaluated in Draft EA**, after incorporation of Best Management Practices (BMP) and mitigation

STOCKTON DIAMOND

Draft EA Findings

Stockton Diamond Grade Separation Project

Traffic & Transportation

Key Issues raised during ***scoping***

- Improved local traffic resulting from reduced delays at rail crossings
- Potential short-term adverse effects on traffic & transportation during construction minimized with BMPs
- Substantial improvement in AM & PM peak hour delay Future Year (2045) at E. Hazelton & E. Scotts Ave UP crossing
- Low current traffic volumes along E. Lafayette & E. Church Street, and future traffic diverted to other nearby streets after these permanent roadway closures (as assumed by the EA)
    - *Evaluations are underway to determine whether to close Scotts Ave instead of Lafayette*
- Beneficial long-term effect on existing transit routes by eliminating train delays currently at at-grade crossing

Real Property Acquisitions & Environmental Justice

Key Issues raised during ***scoping***

- No effects on residential properties
- Conversion of 10.87 acres of Industrial Use to Transportation Use, requiring an amendment to City of Stockton General Plan
- Twelve full acquisitions and two partial acquisitions of real property - consisting of partially vacant parcels used for truck and RV parking and seven active businesses
- Two temporary construction easements required for proposed Project (vacant parcel and Union Park)
- No potential short-term or long-term adverse effects on transient populations in Mormon Slough
- No disproportionately high or adverse effects to minority populations or low-income populations (environmental justice communities) in Resource Study Area

STOCKTON DIAMOND

Draft EA Findings

Stockton Diamond Grade Separation Project

Noise & Ground-borne Vibration

Key Issues raised during *scoping*

- Potential adverse effects from noise & ground-borne vibration during construction:
  - *Minimizedwith BMPs consisting of noise and vibration control plans*
- Potential adverse effects on 12 residences with severe noise effects
  - *Mitigated through sound insulation improvements consistent with U.S. Department of Housing & Urban Development thresholds*

Visual Effects

Key Benefits noted *scoping*

- Project would provide a benefit in long-term visual quality & aesthetics by removing views of railroad corridor currently degrading visual quality of area
- Construction of flyover structure would enhance design coherence of proposed Project corridor by eliminating (or screening from view) industrial land uses

STOCKTON DIAMOND

Visual Renderings

Stockton Diamond Grade Separation Project

Union St. Corridor

Looking South at SR 4

Before

After

Looking South at E. Church St.

Before

After

Visual Renderings

Stockton Diamond Grade Separation Project

Union St. Corridor

Looking South at E. Hazelton Ave.

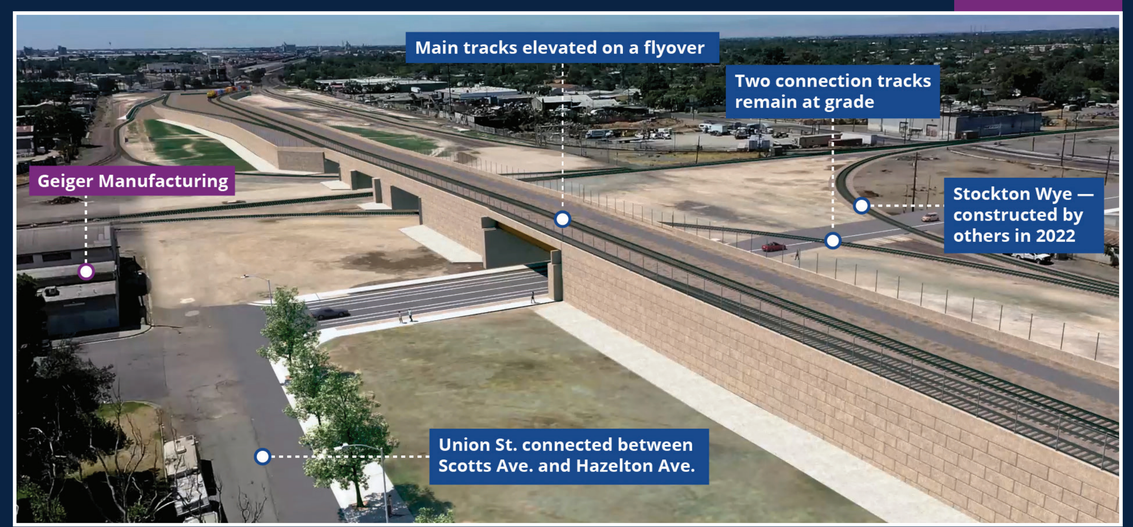
Before

After

Looking South at E. Scotts Ave.

Before

After



Visual Renderings

Stockton Diamond Grade Separation Project

Union St. Corridor

Looking South at existing Stockton Diamond

Before

After

Visual Renderings

Stockton Diamond Grade Separation Project

Proposed East Hazelton Ave. Crossing

Before

After

Proposed Union & Church St. View

Before

After