

Update on the Guadalupe River Bridge Replacement Project

January 29, 2025



Agenda

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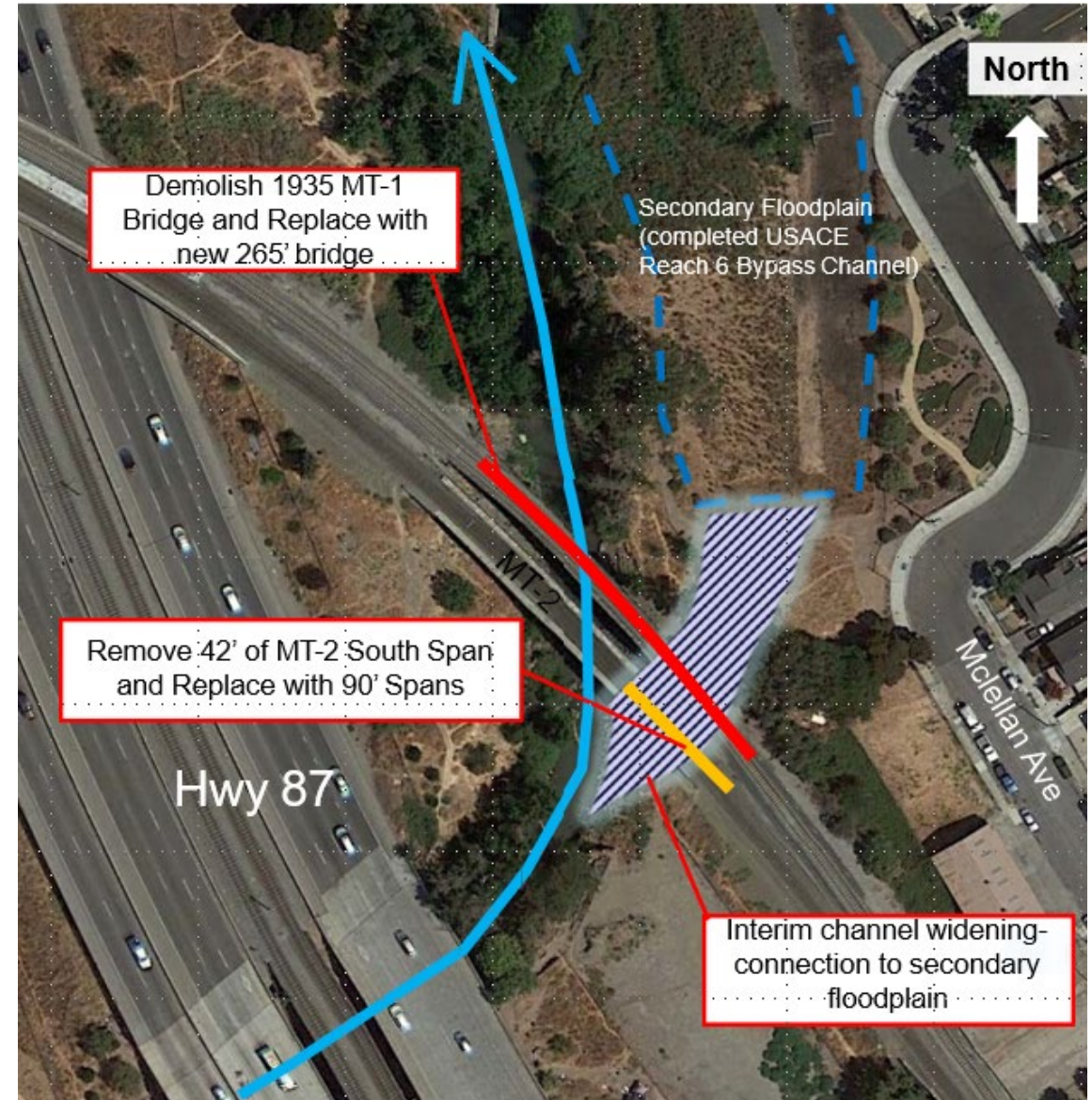
Guadalupe River Bridge Project Overview



- The Guadalupe Bridge serves as a **gateway** to communities in our southern most service area including:
 - Tamien, Capitol, Blossom Hill, Morgan Hill, San Martin and Gilroy
 - In December alone, about Caltrain riders used one of these stations to get to work, school, and other activities.
 - When both tracks were in operation- roughly **16,200** trains traveled across the bridges yearly

Bridge Project Scope

- **Replace MT-1 (Northbound)** with new longer bridge (265 ft). Bridge is wood trestle built in 1930s
- **Extend the existing MT-2 (Southbound)** span and south abutment and improve seismic resiliency
- Interim **channel widening** to reduce erosion and risk to bridge structures, passenger, and freight rail services
- Shared corridor with Freight Rail. Currently **single** track



MT-2 electrified with 25Kv Overhead Contact System
MT-1 to remain non-electrified

Caltrain River Bridge Replacement and Extension



Northbound MT-1 (1935)



Northbound MT-1 (1935); Southbound MT-2 (1990)

Urgency of Northbound Bridge (MT-1) Replacement for Structural Condition



- **Deteriorating** structural condition of 1935 trestle
- Concerns for bridge scour and **bank failures**
- Previous challenges with **structure fire** - requires constant attention
- **Seismic upgrades required**
- **High flow velocity** and associated bank failures during storm events **threaten the integrity of the bridges**
- **Multiple emergency repair/stabilization** projects since 2008 to address bank erosion threatening to undermine abutments at Northbound (MT-1) and Southbound (MT-2)
- February 2021, as part of the Mitigated Negative Declaration, the Board found that in light of **the public safety imperative** that this project should proceed at the **earliest possible date**

Recap of Previous Update

- Project must obtain **amended permits** and **revise schedule and budget**
- Staff committed to providing JPB TOPS Committee
 - Regular updates on progress with permitting agencies
 - Regular project status updates
 - Regular updates on organizational and process improvements
- Continued commitment to safety of public, staff and contractors; steward of the environment

Progress with Permitting Agencies

- Throughout 2024, Caltrain staff met with resource agencies to **solicit input** on environmental challenges, constraints, and solutions.
- In late 2024, Caltrain staff prepared an **optimized approach** to the project using temporary shoring to protect the **environment** and **accelerate construction**.
- On December 16, 2024, Caltrain presented new construction approach to **resource agencies** and obtained detailed feedback.
- Caltrain staff is incorporating feedback into permit amendment applications to be submitted in the **next week**.

Project Status Update – Restart Work

- Work must proceed as **soon as possible** to address a safety critical need, minimize environmental impacts, and mitigate additional costs
- The team anticipates receiving **permits** in time for a **June 15th construction start**
- Preparing for a June 15th construction start **requires preparation**
 - Staff plans to issue several **Limited Notices to Proceed (LNTP)** using existing Contract and Change Order authority
 - Ordering materials on February 1st and 15th
 - Mobilizing equipment and personnel on April 15th

Project Status Update – Change Orders

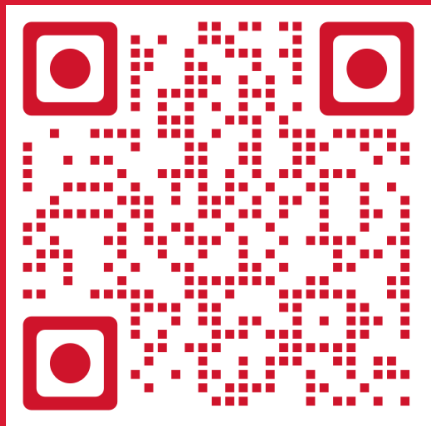
- **Initial** construction Change Order authority is **\$2,976,450**
- **Current** executed Change Orders amount to **\$165,148**
- Change Orders **under negotiation** are forecasted at approximately **\$2.24m**
- The planned **Limited Notice to Proceed** are forecasted to **use the remaining \$0.58m**
- Staff is aware of **additional** Change Order costs yet to be submitted and reviewed
- Staff anticipates that these will **exceed** the initial Change Order authority of **\$2.9m**
- Staff will return to the Board this Spring to seek approval for a revised funding plan, Walsh Contract, and Change Order authority

Organization and Procedures

- In September 2024, Caltrain onboarded **two Environmental Site Compliance Monitors**, in addition to the current Biological Monitors, to provide full-time coverage during construction.
- In December 2024, Caltrain issued a solicitation to its **new** on-call bench of **construction management** and **other resources** for the project.
- Based on lessons learned, Caltrain is requiring our construction contractor to perform **constructability reviews** of permit application materials.

Next Steps

- Continue to work with agencies to **obtain permit amendments**
- Authorize **construction mobilization incrementally** to manage risk
- Update **cost estimates** based on the optimized project approach
- Identify **supplemental funding** sources
- Return to Board in the Spring to seek budget approval and amend construction contract and Change Order authority



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