

# Broadway Burlingame Grade Separation Project

TA CAC

Item #12(a) – March 2, 2021



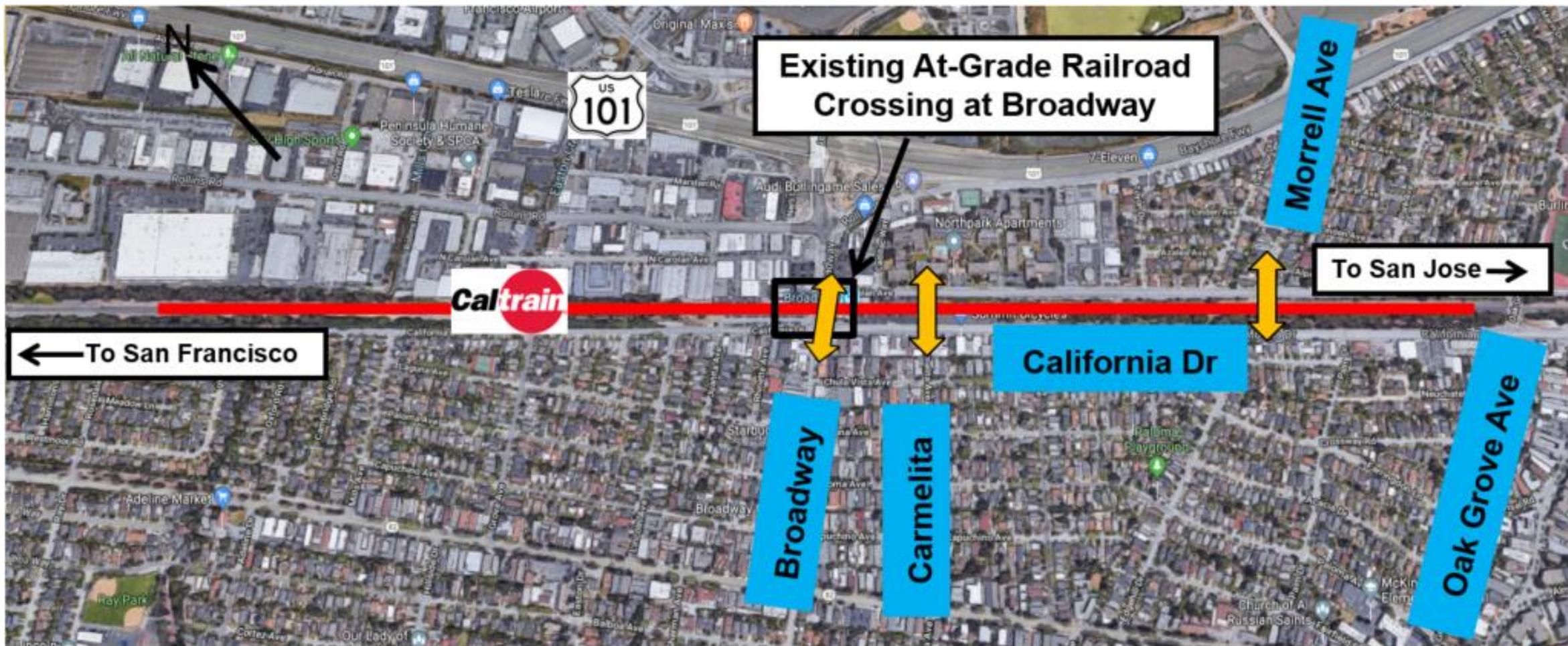
# Agenda

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- **Project Location/Existing Conditions**
- **Project Goals and Scope**
- **Project Cost**
- **Project Schedule**
- **Status Update of Project**
- **Relocation of PS-3 (Paralleling Station -3) for Electrification Project to avoid conflict between PS-3 and Broadway Grade Separation Project**
- **Action Item**



# Project Location



- Ped/Bike Access
- Broadway & Morrell Ave. to be grade separated
- New grade separated access at Carmelita Ave.

# Existing Conditions

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- **92 Caltrain weekday trains use this crossing, in addition to freight (pre-pandemic)**
- **28,049 average daily vehicle counts for Broadway in year 2014**
- **Lack of grade separation increases vehicular and train delays**
- **Highest ranked crossing on the State's Grade Separation Priority List**



# Project Goals

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- **Enhance east-west connectivity**
- **Enhance safety for motorists, bicyclists & pedestrians**
- **Improve customer experience with new station**
- **Improve traffic flow and reduce delays**
- **Reduce automobile congestion and emissions**
- **Improve efficiency of rail operations**



# Project Scope

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- **Railroad to be partially elevated and adjacent roadways (Broadway, Carolan and California) to be partially lowered**
- **New station with center board platform, ramp and stair access**
- **Station parking on east side of tracks with access to/from Carolan Ave.**
- **Two temporary shoofly tracks east of the existing mainline (for train operation during construction of project)**
- **Ped/Bike crossings at Broadway, Carmelita and Morrell Ave**



# Existing Condition



# After Construction (Rendering)



# Status Update

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- **Completed Project Study Report – Jan 2017**
- **Completed Prelim Engineering and Environmental Clearance – Oct 2020**
  - **Statutory exemption from CEQA (considered a safety project to eliminate existing at-grade crossing).**
  - **Environmental Scoping to identify potential impacts and establish level of environmental clearance.**
  - **Community Outreach Meetings**
  - **FTA Approval for NEPA Environmental Clearance**
- **Completed RFP Process to complete Final Design - Sept 2020**
- **Contract awarded to Mark Thomas and Company (MTCO) for future phases of project – Nov 2020**
- **Final Design Phase Kick-off – Jan 2021**



# Project Schedule Update

Phase	Start	Finish
Project Study Report	Jan 2014	Jan 2017
Prelim Engineering/Environmental Review	Mar 2017	Oct 2020
Final Design/Env Permits	Jan 2021	Jul 2023
Right of Way/Utilities	Jul 2023	Jul 2024
Construction	Jul 2024	Jul 2027

Currently, Project is in Final Design Phase



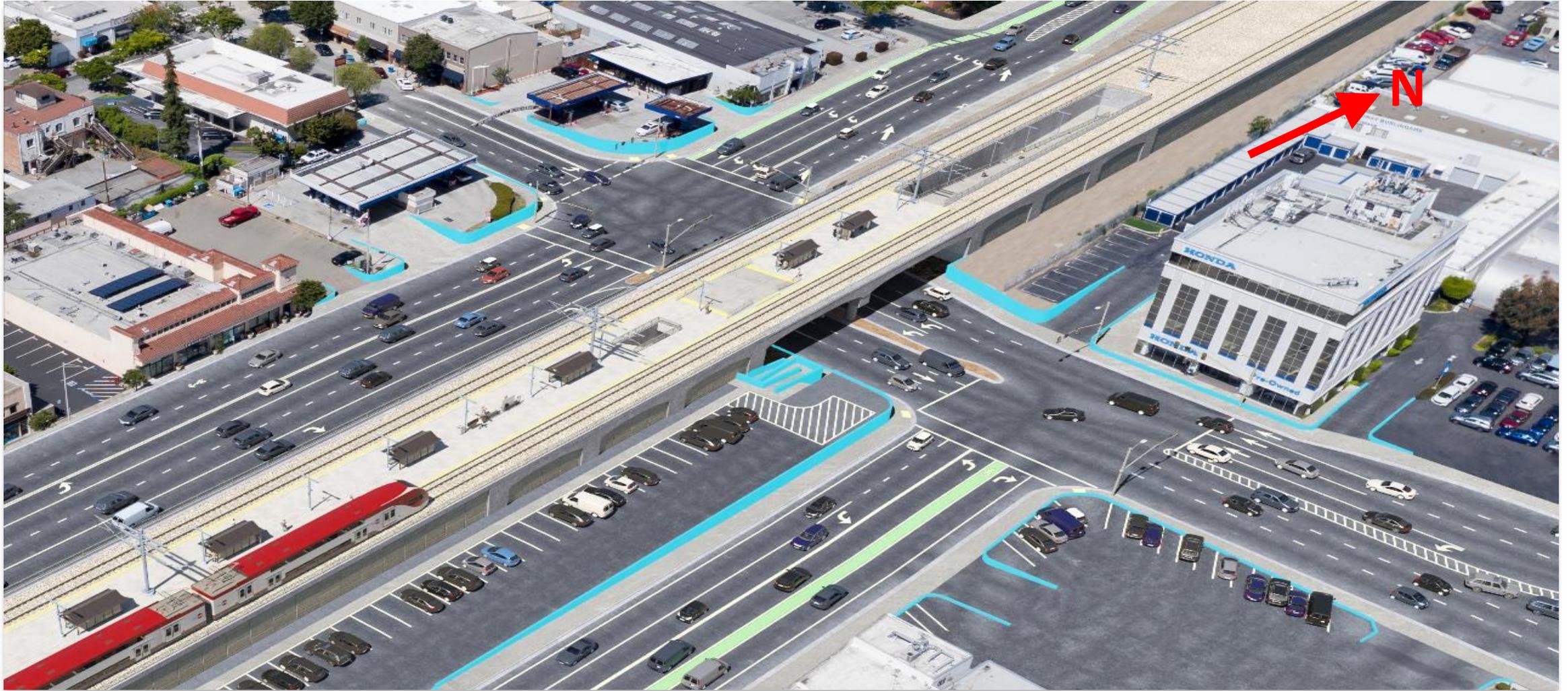
# Project Cost Update (in thousands)

Phase	TA Funds \$	Local Match \$	Estimate \$
Project Study Report	\$1,000		\$1,000
Prelim Engineering/Environmental Review	\$4,050	\$500	\$4,550
Final Design/Env Permits	\$18,338	\$1,500	\$19,838
Right of Way/Utilities *			\$24,000
Construction *			\$277,302
<u>Total</u>	<u>\$23,388</u>		<u>\$326,690</u>

\* Future Allocations



# Value Engineering Options



# Value Engineering Options – Ongoing

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<b>Option</b>	<b>Possible Benefit</b>
<b>Thinner bridge structure</b>	<b>Reduces impacts to Broadway (Less Excavation)</b>
<b>Rail Road Profile (2' difference)</b>	<b>No impacts to Broadway (No Excavation)</b>
<b>Align Under Crossing with Carmelita Ave</b>	<b>Improved path of travel, addresses community concern</b>
<b>Shift Morrell Ave Under Crossing to North</b>	<b>Less environmental impacts</b>



# Value Engineering Options Process

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## Ongoing

- **Detailed Engineering Analysis of Value Engineering (VE) Options**  
**Overall Assessment of Potential Cost and Schedule Savings**
- **Review for Community/Locals Benefits**
- **Preparation of VE Memos for Circulation, Review and Approval by JPB and City**

## Upcoming

- **Start of 65% Design with Approved VE Options – Tentative April 2021**

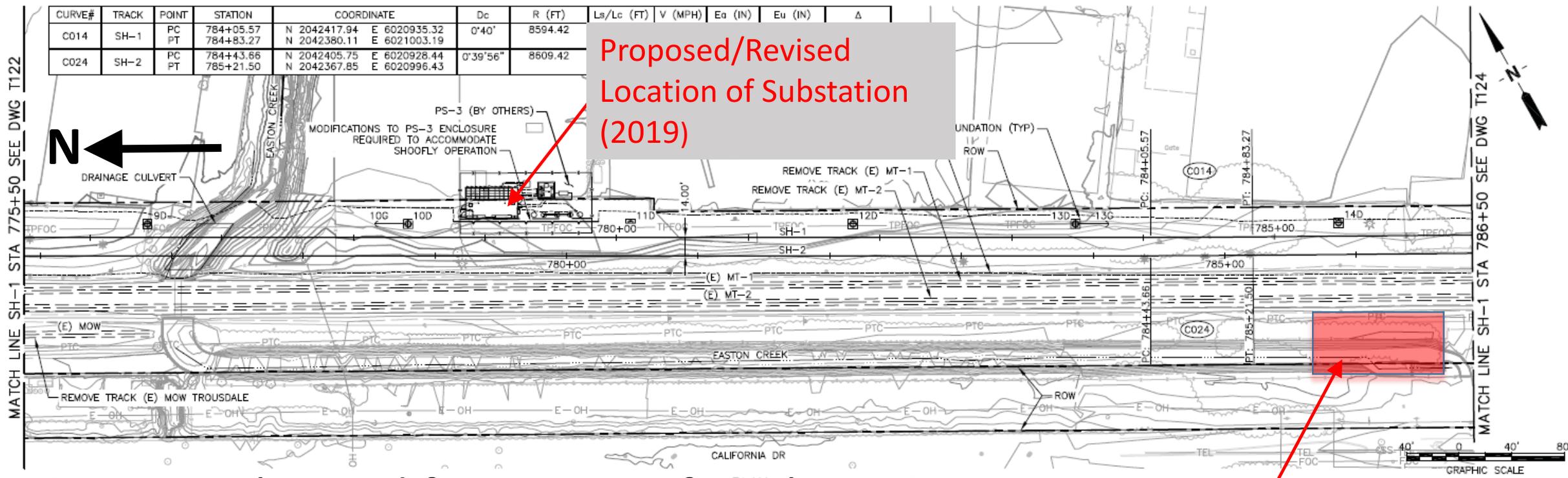


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# Parallel Station PS-3 for Electrification Project



# Relocation of Parallel Station PS-3



PS-3 was relocated from West of tracks to City Corp Yard on East side of tracks to prevent conflict with Grade Sep Project (2018)

Old Location of Substation (2018)- In Conflict with Grade Sep

# Additional Funds Request for PS-3

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- **Re-Design Costs for PS-3:**
  - Required further shift east into City Corporation Yard (City approved in May 2020)
- **Incremental Construction of PS-3:**
  - Taller gantries and larger gantry foundations to support the future track elevation associated with the project
- **Relocation now will avoid significant costs for demolishing and rebuilding PS-3 as part of the Grade Sep Project in the future**



# Revised Layout of PS-3



# Action Item

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**Programs and Allocates \$1,025,000 to the Broadway Grade Separation Project to support design and construction work associated with the relocation of a Peninsula Corridor Electrification Project paralleling station necessitated by the Broadway Grade Separation Project in the City of Burlingame**



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# Questions

