

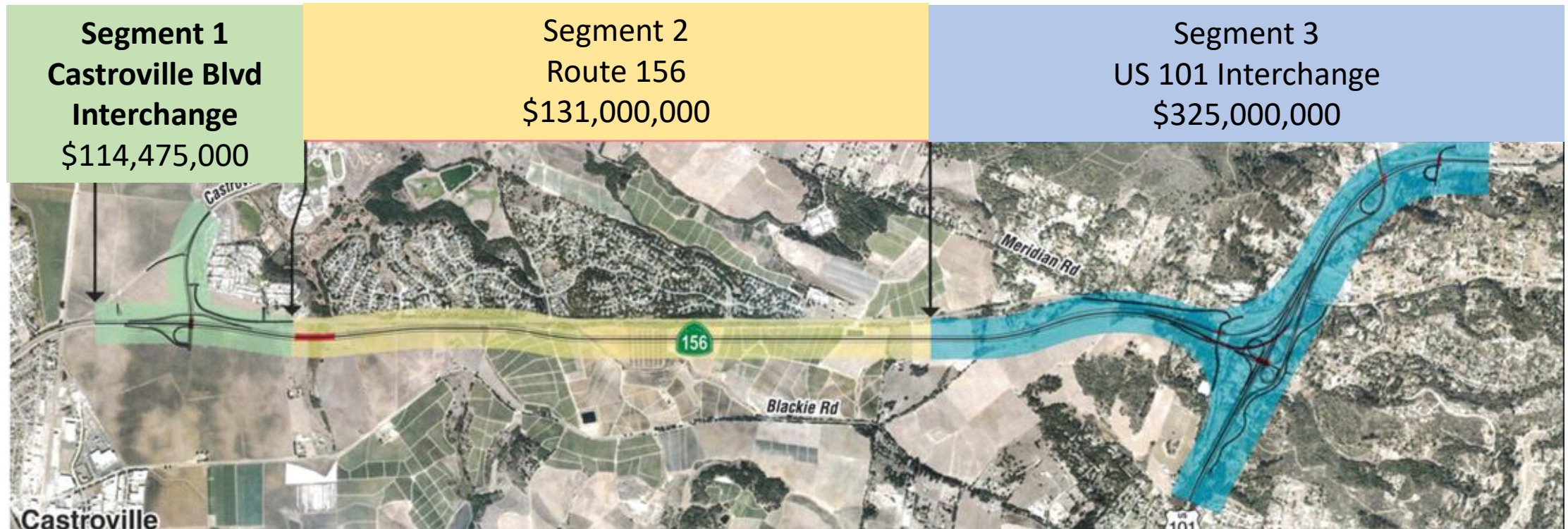


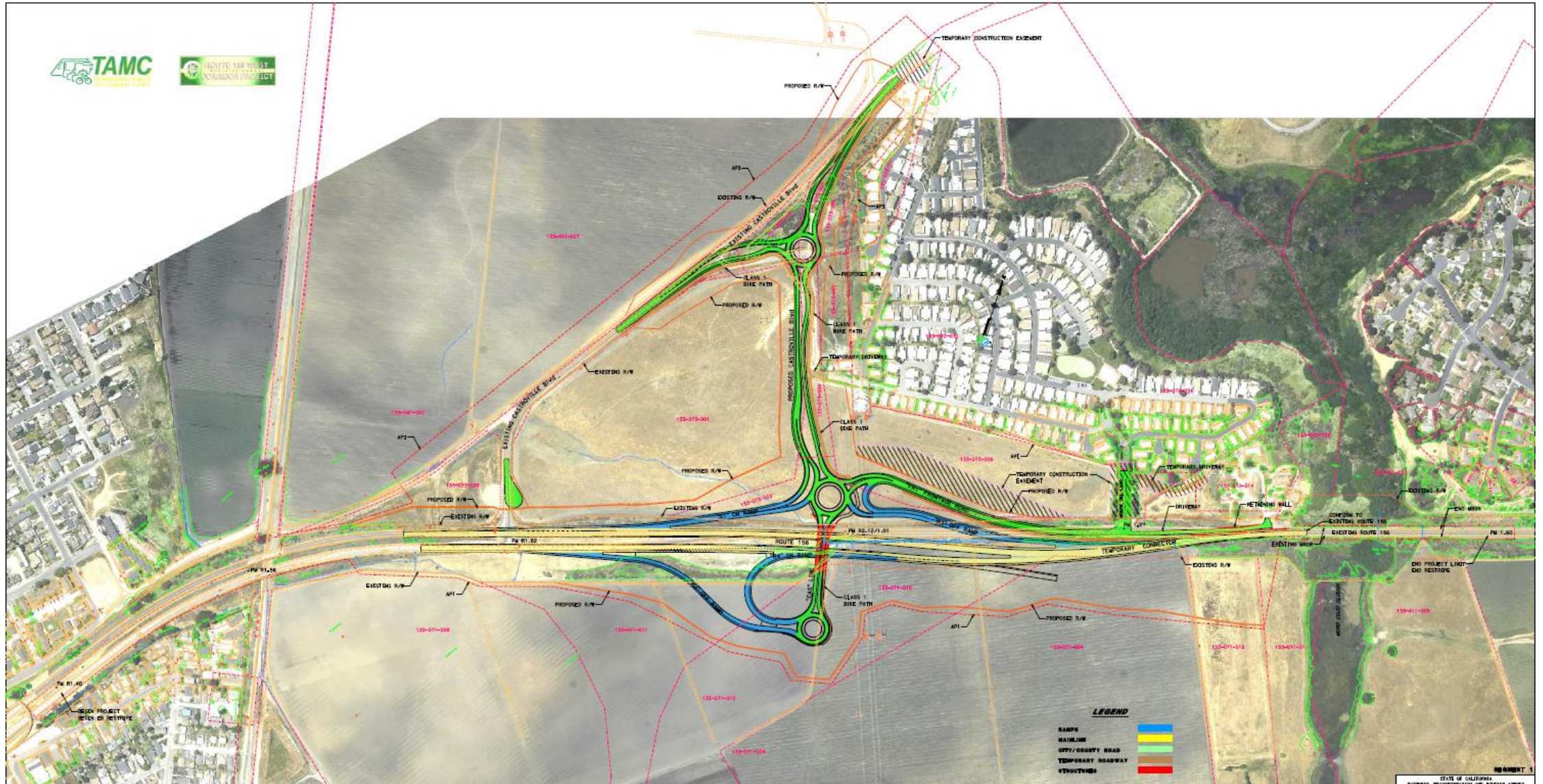
# SR 156 / Castroville Boulevard Interchange Project Update

**Transportation Agency Board of  
Directors**

January 24, 2024

# Highway 156 Corridor Projects



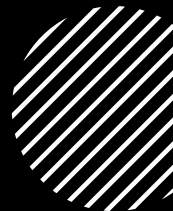


**LEGEND**

- RAMP
- MAINLINE
- CITY/COUNTY ROAD
- TEMPORARY ROADWAY
- STRUCTURES



# Project Challenges



Legislation needed for take of fully protected Santa Cruz Long Toed Salamander



New Route Adoption and Freeway Agreement needed between Caltrans and the County



Working with Coastal Commission on Coastal Development Permit



Finding properties for Agriculture, Wetland, Species mitigation



Utility relocation and rising costs (ongoing)



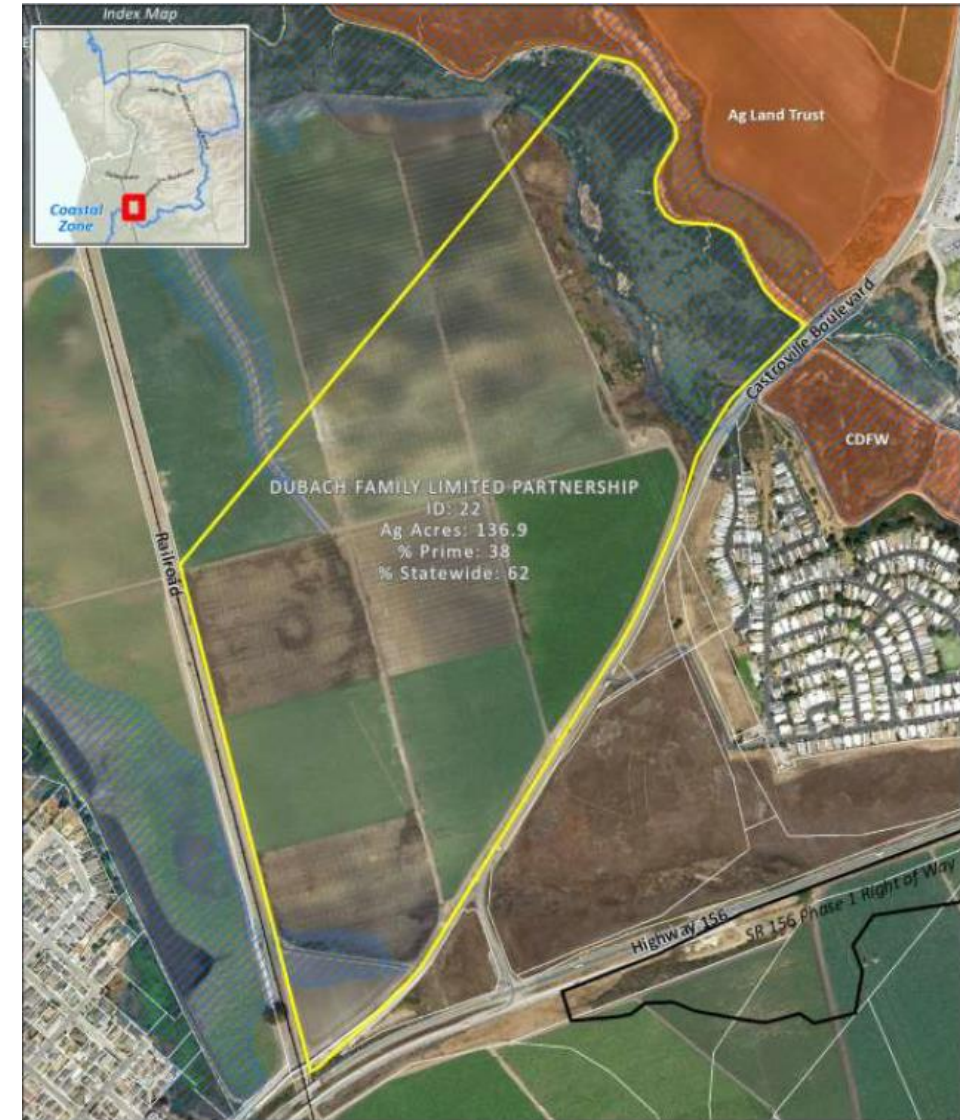
Rising construction costs and support needs (ongoing)




Environmental Permits (in process)

# Current Status

- Project Plans and Estimate are complete
- Coastal Development Permit issued
- Army Corp (Wetland impacts) permit issued
- Agriculture mitigation property (Dubach) purchased
- CDFW permits anticipated in February 2024
- 60% plans received from utilities for utility relocation
- Nearing completion of Maintenance Agreement with County
- Multiple parcels currently in escrow



# Utility Relocation

- Seven (7) different Utility Companies have facilities needing to be relocated
  - Three (3) of those utilities are PG&E branches: Electric Transmission, Gas Transmission, Electric Distribution
  - 60% relocation plans have been received from all utilities with exception of Charter Communications
  - PG&E is organizing for exploratory/reconnaissance effort for their relocation work
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# Project Costs

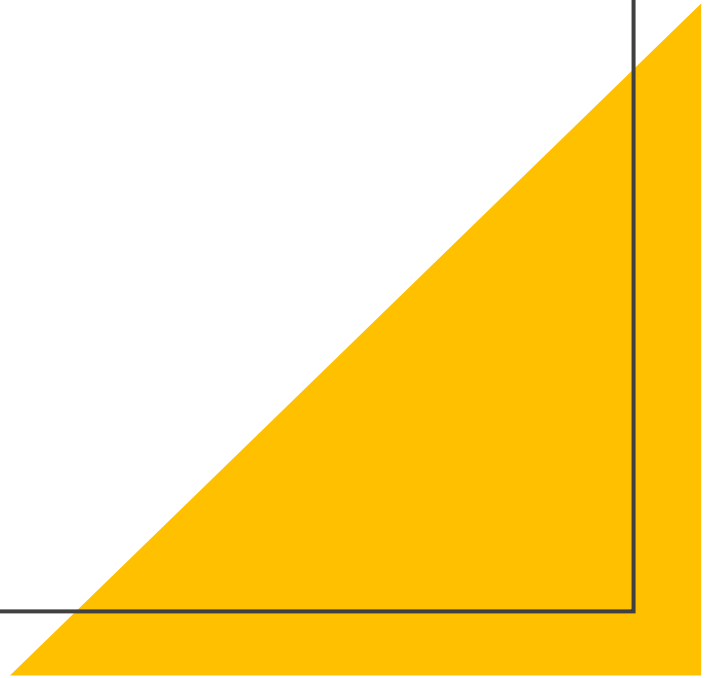
Phase	Pre-May 2023	May 2023	January 2024
1 – PS&E	\$6,200,000	\$6,200,000	\$8,700,000
2 – RW Support	\$1,400,000	\$1,400,000	\$2,000,000
3 – Con Support	\$5,500,000	\$5,500,000	\$8,400,000
4 – Construction Capital	\$27,375,000	\$46,375,000	\$50,375,000
9 – RW Capital	\$18,100,000	\$18,100,000	\$45,000,000
Estimated Total Cost	<b>\$58,575,000</b>	<b>\$77,575,000</b>	<b>\$114,475,000</b>

**\$40,275,000 cost increase**

# Support Cost Increase = \$6,000,000

## **Reasons for major increase in Support Costs:**

- Increased level of effort in Phases 1 and 2 to facilitate with utility relocations
  - PG&E
  - Charter Communications
  - AT&T
- Increased level of effort for Phase 3 support costs
  - Structures
  - Geotechnical
  - Biological monitoring during construction





# Construction Capital Increase = \$4,000,000

## **Reasons for increase in Construction Capital Cost:**

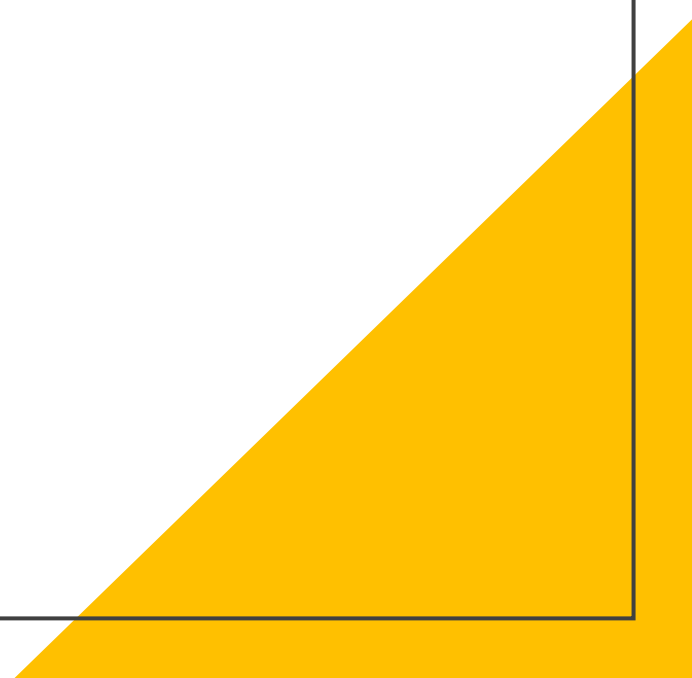
- Post construction Biological Monitoring requirement increasing from 5 years to 10 years
- Increase in unit costs for contract items for landscape planting
- Escalation due to estimated RTL pushing into end of FY 23/24 and advertisement and bids due mid FY 24/25

Right of Way Capital Increase = \$26,900,000

**Reasons for major increase in Right of Way Capital Cost:**

- Increase in utility relocation costs
  - \$24,000,000 of the \$26,900,000 increase
  - \$22,000,000 of the \$24,000,000 is for relocation of PG&E utilities
    - Electrical Transmission (\$3,000,000)
    - Electrical Distribution (\$6,000,000)
    - Gas Transmission (\$13,000,000)
- Increase in environmental mitigation and compliance
  - Amphibian mitigation, restoration, parcel acquisition and endowment
  - Wetland mitigation
  - Farmland mitigation and endowment

# Why So Much?

- Project impacted nearly every major utility
    - Movement and replacement of electrical towers
    - Relocation of a 12-inch main gas transmission line
    - Relocation of multiple utilities into distinct alignment area given limits of construction
  - Design
    - 30-foot soil fills on either side of SR 156
    - Extensive geotechnical
    - Extensive structures
  - Environmental
    - Traverses portion of wetland
    - Impacts to Santa Cruz Long Toed Salamander (SCLTS)
    - Impacts to Farmland
    - Within coastal zone
  - Right of Way
    - Easements and parcel acquisition associated with utility relocation
    - Private property parcel acquisition for construction of interchange
    - Parcel acquisition for amphibian, wetland and farmland mitigation
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# Utility Relocation Timeline and Process



**2021**

Caltrans initiated contact with all utilities impacted  
All utilities responded with exception of PG&E electrical distribution and gas transmission



**Early 2022**

First time extension for funding



**Late 2022**

PG&E gas transmission gives Caltrans an 18-month timeframe to complete relocation plans



**March 2023**

PG&E electrical distribution assigns project manager for relocation plans



**Mid 2023**

Second time extension for funding



**Mid 2023 to present**

60% relocation plans received  
Continued challenges with PG&E

# Current Risks to Schedule



**APRIL 2024:**  
RIGHT OF WAY  
CERTIFICATION  
AND READY TO  
LIST (RTL) \*



**JUNE 2024:**  
CTC VOTE FOR  
CONSTRUCTION  
ALLOCATION



**AUGUST 2024:**  
ADVERTISE  
PROJECT



**OCTOBER 2024:**  
AWARD  
PROJECT



**NOV 2024:**  
APPROVE  
CONTRACT



**3RD QUARTER  
FY 24/25:  
START  
CONSTRUCTION\*\***

\*Right of way certification, RTL and therefore June 2024 CTC vote at significant risk based on current status of delineation, perfection of easements and utility agreements for all branches of PG&E utility relocation

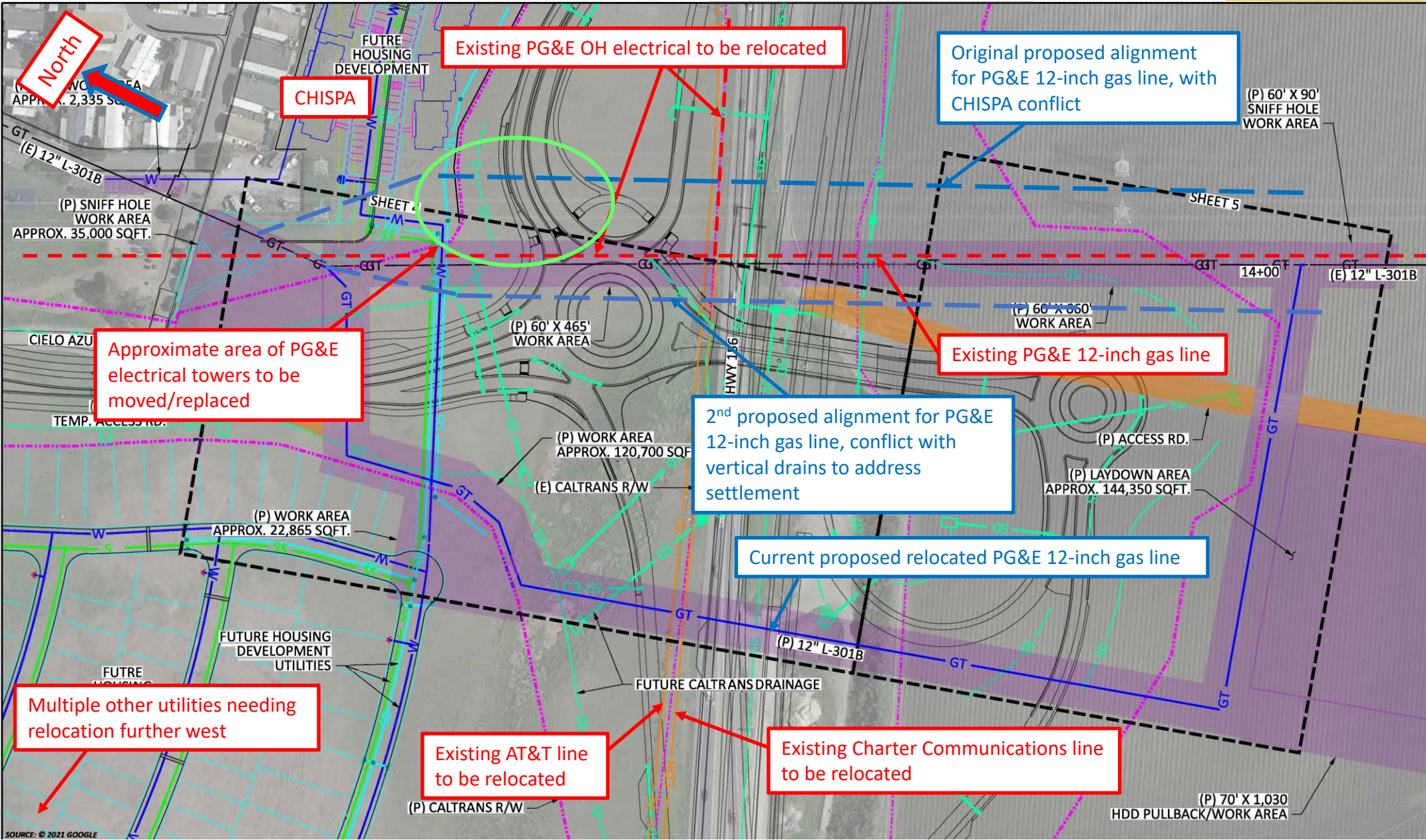
\*\*Actual start of construction dependent on progress of utility relocation by utility companies

# Next Steps & Alternatives

Alternatives	Time Delay	Risk
Fund the increased costs	0 – 6 months	Increased Measure X contribution and potential the project still does not meet funding deadlines.
Reapply for SB1 Cycle 4	6 months - 1 year*	Forfeit current grant; Complete ROW and design with local funds, * potential the project is not awarded a future grant.
Value Engineering	2 – 4 years	Stop the project and forfeit current grant; value engineering results in modest cost improvements.
Reevaluate project	5 – 7 years	Stop the project and forfeit current grant; most time delay of alternatives; possible that no other alternatives meet State goals.

**Alternative - Reapply for SB 1 Funding Cycle 4  
Potential Funding Plan**

<b>Fund Source</b>	<b>Design &amp; ROW</b>	<b>Construction</b>	<b>Totals</b>
STIP	\$25,700,000	\$0	<b>\$25,700,000</b>
Federal Earmark	\$312,000	\$0	<b>\$312,000</b>
Measure X	\$24,688,000		<b>\$24,688,000</b>
<i>Current</i>	<i>\$10,361,000</i>	<i>\$0</i>	
<i>New Funding</i>	<i>\$14,327,000</i>	<i>\$0</i>	
Regional Fees	\$5,000,000	\$0	<b>\$5,000,000</b>
Trade Corridors - Future	\$0	\$58,775,000	<b>\$58,775,000</b>
	<b>\$55,700,000</b>	<b>\$58,775,000</b>	<b>\$114,475,000</b>



North

CHISPA

Existing PG&E OH electrical to be relocated

Original proposed alignment for PG&E 12-inch gas line, with CHISPA conflict

Approximate area of PG&E electrical towers to be moved/replaced

Existing PG&E 12-inch gas line

2<sup>nd</sup> proposed alignment for PG&E 12-inch gas line, conflict with vertical drains to address settlement

Current proposed relocated PG&E 12-inch gas line

Multiple other utilities needing relocation further west

Existing AT&T line to be relocated

Existing Charter Communications line to be relocated

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