



**WATER  
AGENCY**

# **MOCHO PFAS TREATMENT PLANT AND ELECTRICAL IMPROVEMENTS PROJECT**

Zone 7 Board Meeting  
April 16, 2025

Brandon Woods, Acting Principal Engineer

# Agenda

- Mocho Wellfield Background and Location
- Project Overview
- Progressive Design-Build Approach and Project Schedule
- Owner's Representative Services
- CEQA, Public Outreach, and Land Coordination
- Staff Recommendations

# Supports Multiple Strategic Plan Initiatives and Goals



## Water Reliability

### Initiative 6

Continue to effectively implement infrastructure projects in the Water System CIP



## Water Quality

### Initiative 10

Implement the Mocho Wellfield PFAS Treatment Project



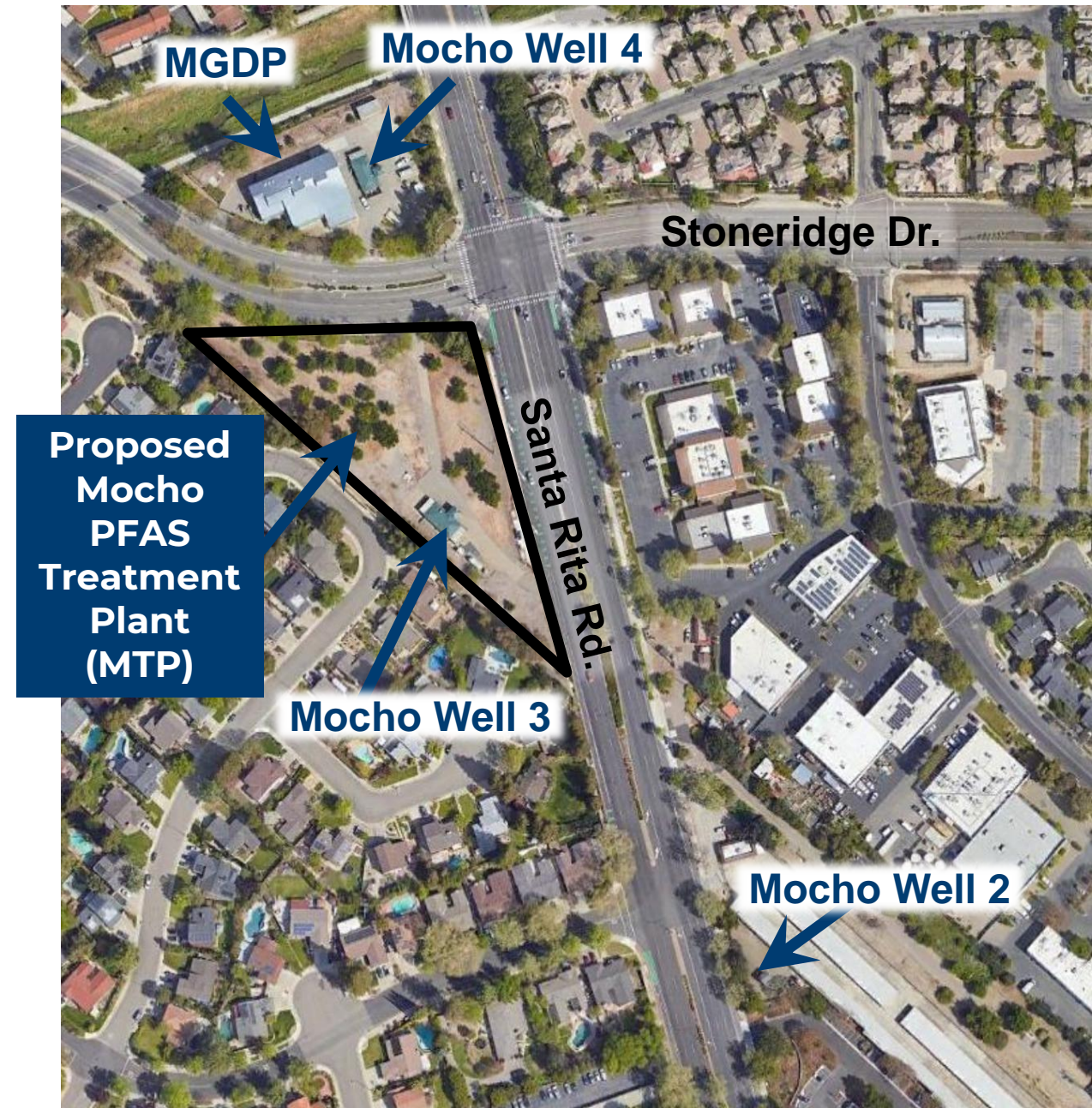
## Communications

### Goal G

Engage our stakeholders to foster understanding of their needs, the Agency, and its functions

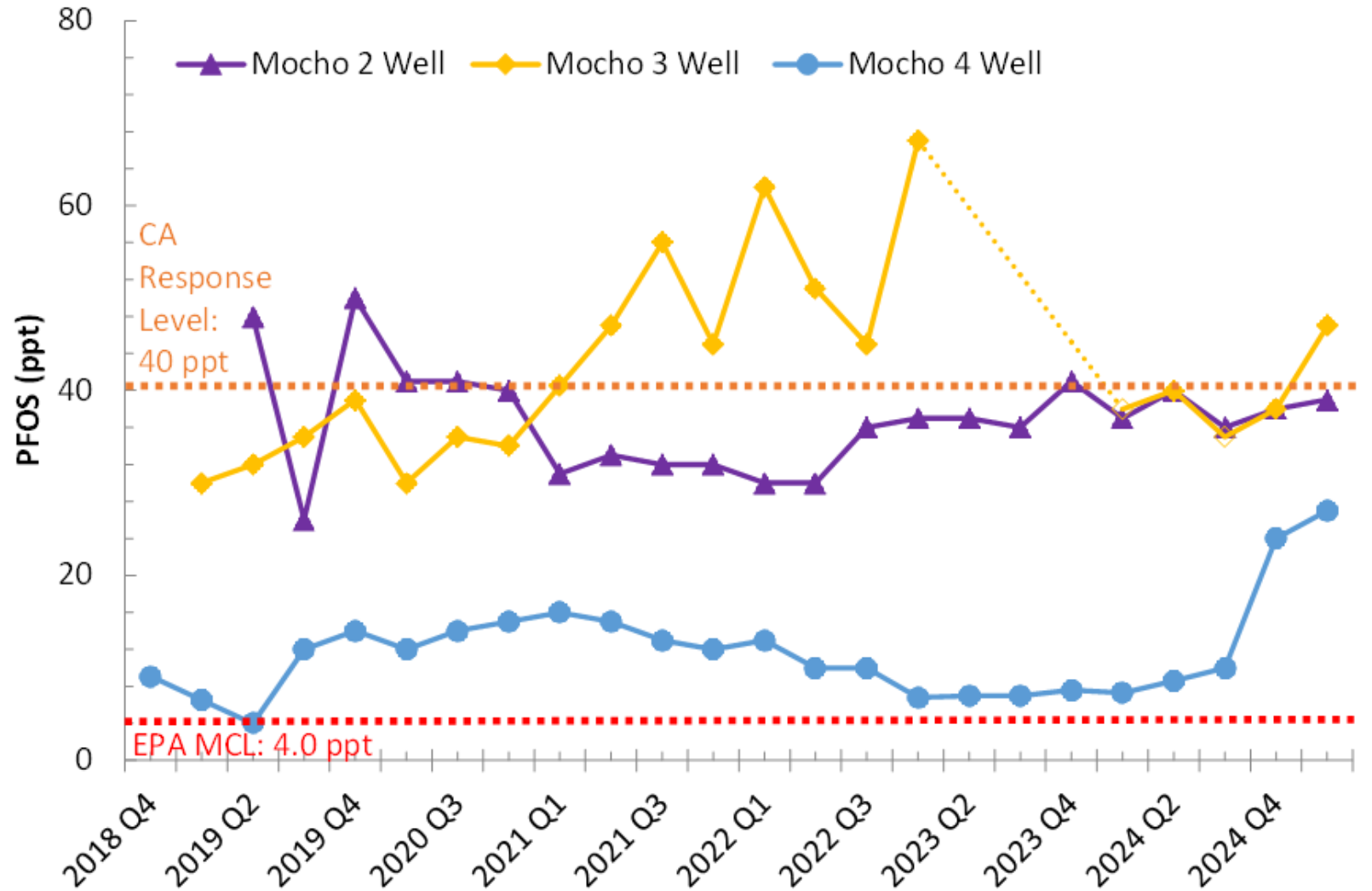
# Mocho Groundwater Demineralization Plant (MGDP) and Mocho Wellfield

- Mocho wellfield can produce up to approximately 16 million gallons per day (MGD)
- 40% of available groundwater production
- Due to PFAS levels, Mocho wellfield production is limited to 5 MGD through MGDP



# PFOS Levels in Mocho Wells

- Mocho wells contain PFOS, PFOA, and PFHxS
- PFOS levels exceed those of PFOA or PFHxS; PFOS is the controlling PFAS compound
- Continued increases would further impact production



# Project Overview

## Objective

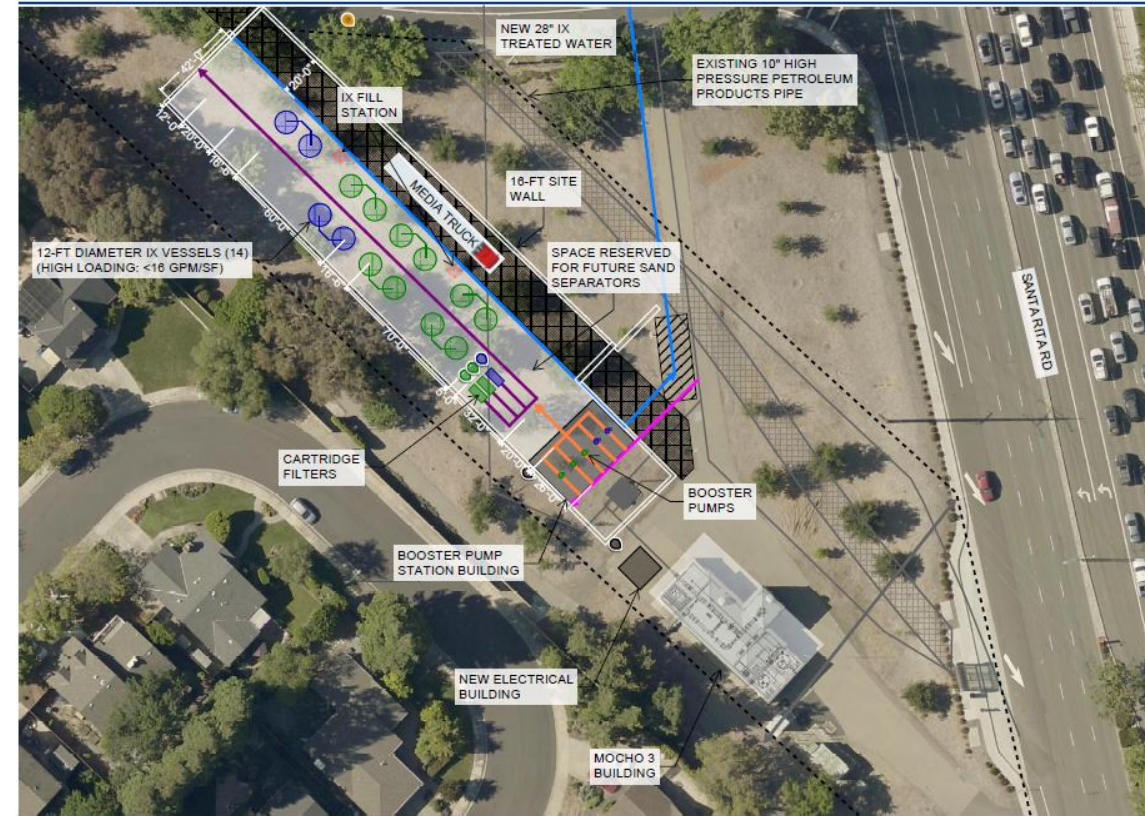
- Remove PFAS from Mocho wellfield supplies

## Project Scope

- PFAS removal vessels
- Piping b/w Mocho 3 and MGDP
- Electrical upgrades
- Booster pump station
- Site improvements and trails

## Cost and Funding

- Cost range of \$35-\$51 million
- \$1.2 million in DWR grant funding for electrical improvements
- Exploring federal funding opportunities



# Pre-Conceptual Renderings



- Pre-conceptual renderings show how the facility could work at the site
- Not actual design
- Will continue to develop visual screening options

# Progressive Design-Build (PDB) Delivery

## Approach

- Designer and contractor together as one team
- Qualifications based selection

## Benefits

- Enables innovation with contractor input
- Constructability reviews, alternative analysis, and value engineering
- Reduced potential for conflicts to mitigate risks
- Accelerated project schedule; early procurement of long lead items
- Guaranteed Maximum Price (GMP) provides cost certainty
- Open Book Pricing provides cost transparency
- Off-ramp available if the GMP is not acceptable

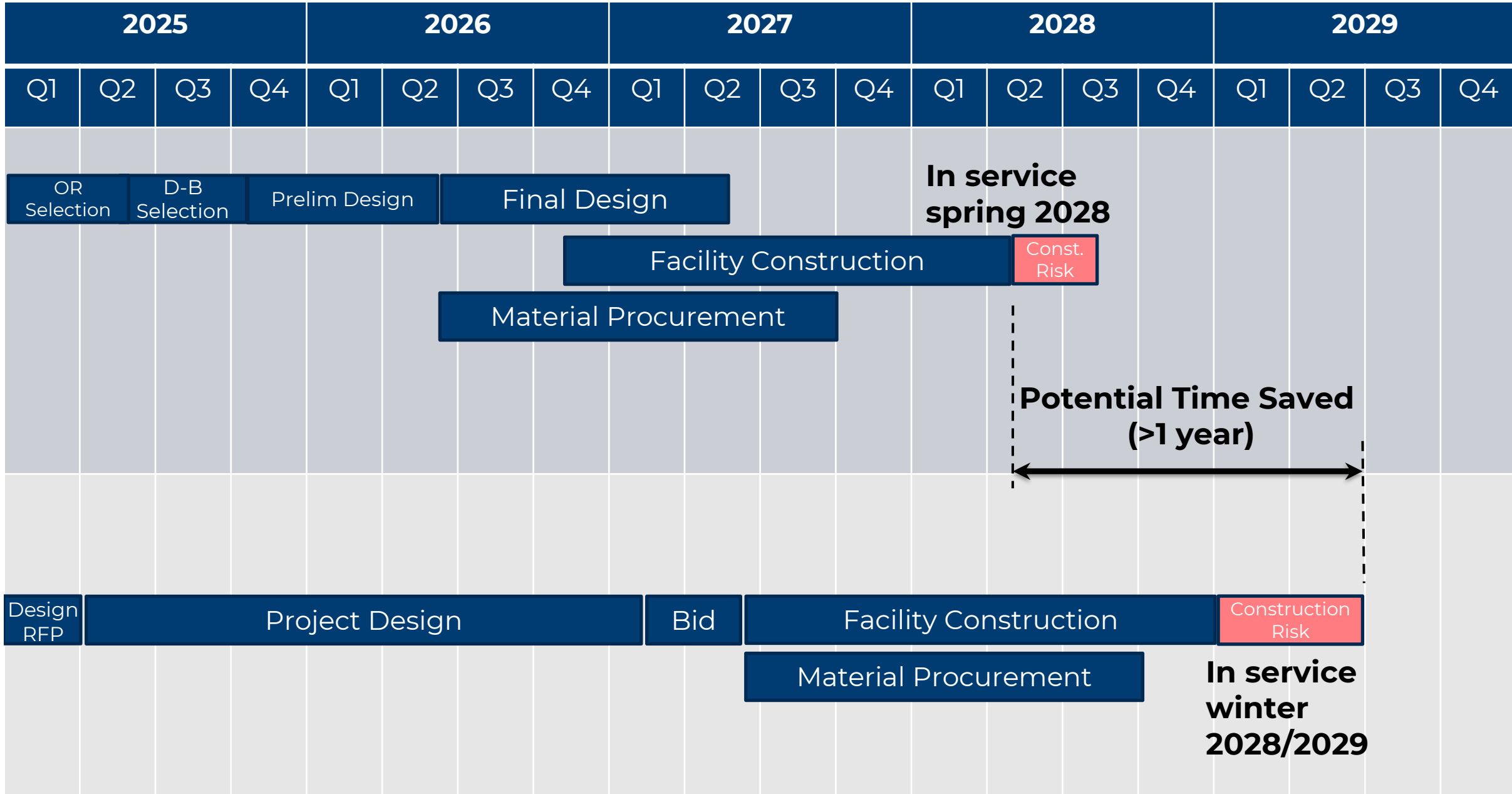




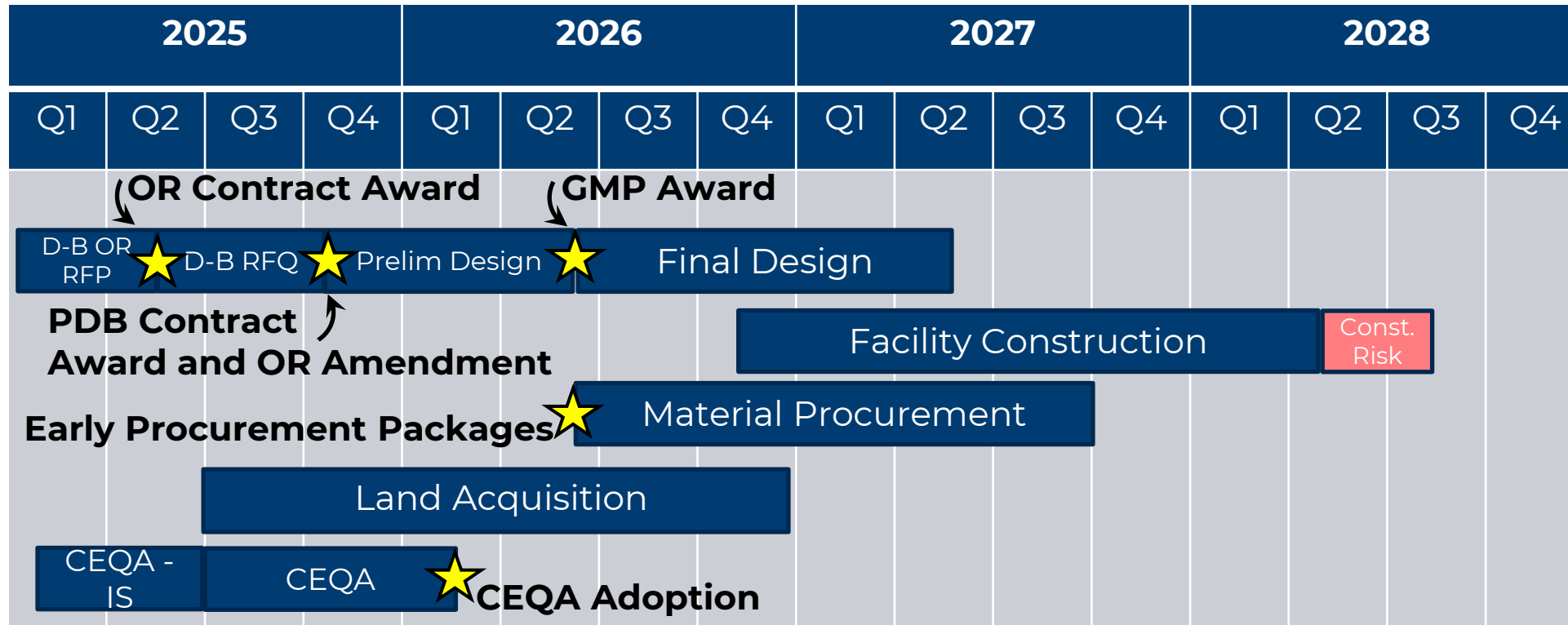
# Schedule Comparison

Design-Build Schedule

Design-Bid-Build Schedule



# Project Schedule



Design-Build Schedule

★ Board Action

# Owner's Representative Services

- **Design-Build Contractor Procurement**
  - Prepare Request for Proposal (RFP) and support competitive selection of D-B Contractor
  - Use an industry proven PDB contract
  - Support negotiations with the selected PDB team for initial design and GMP
- **Other Project Support**
  - Assist staff with land coordination, CEQA, and public outreach
  - Refine architectural renderings
  - Assist with value engineering
  - Support design review at key project stages
  - Provide third-party cost estimate reviews

# Other Key Project Activities

- **Environmental Review**
  - Initial Study in progress
  - Will request Board adoption of a CEQA document
- **Public Outreach**
  - Preparing outreach plan, including community meetings with local residents and the public
- **Land Coordination**
  - Zone 7 holds easements on the Mocho Well 3 site, owned by City of Pleasanton and DSRSD
  - Additional easements will be pursued with the City; initial coordination is underway

# Recommended Action

## **Adopt Resolutions authorizing the General Manager to:**

- Negotiate, execute, and amend, as needed, a professional services agreement with Carollo Engineers, Inc., for Owner's Representative services for the Project in an amount not-to-exceed \$657,000, which includes a 10% contingency
- Amend the existing public relations services contract with Axiom of Purpose, Inc., for public outreach services for the Project in an amount of \$105,000, which includes a 10% contingency, for a total not-to-exceed amount of \$868,500



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Questions?