



Engineering, Operations, & Technology Committee

# Weymouth Ozone Contactor Expansion Joint Improvements

Item 7-2

May 12, 2025

## Item 7-2

### Weymouth Ozone Contactor Expansion Joint Improvements

#### Subject

Amend the Capital Investment Plan for Fiscal Years 2024/25 and 2025/26 to include the ozone contactor expansion joint improvements at the F.E. Weymouth Water Treatment Plant

#### Purpose

Design improvements to the Weymouth ozone contactor expansion joint to maintain the long-term reliability of the contactors

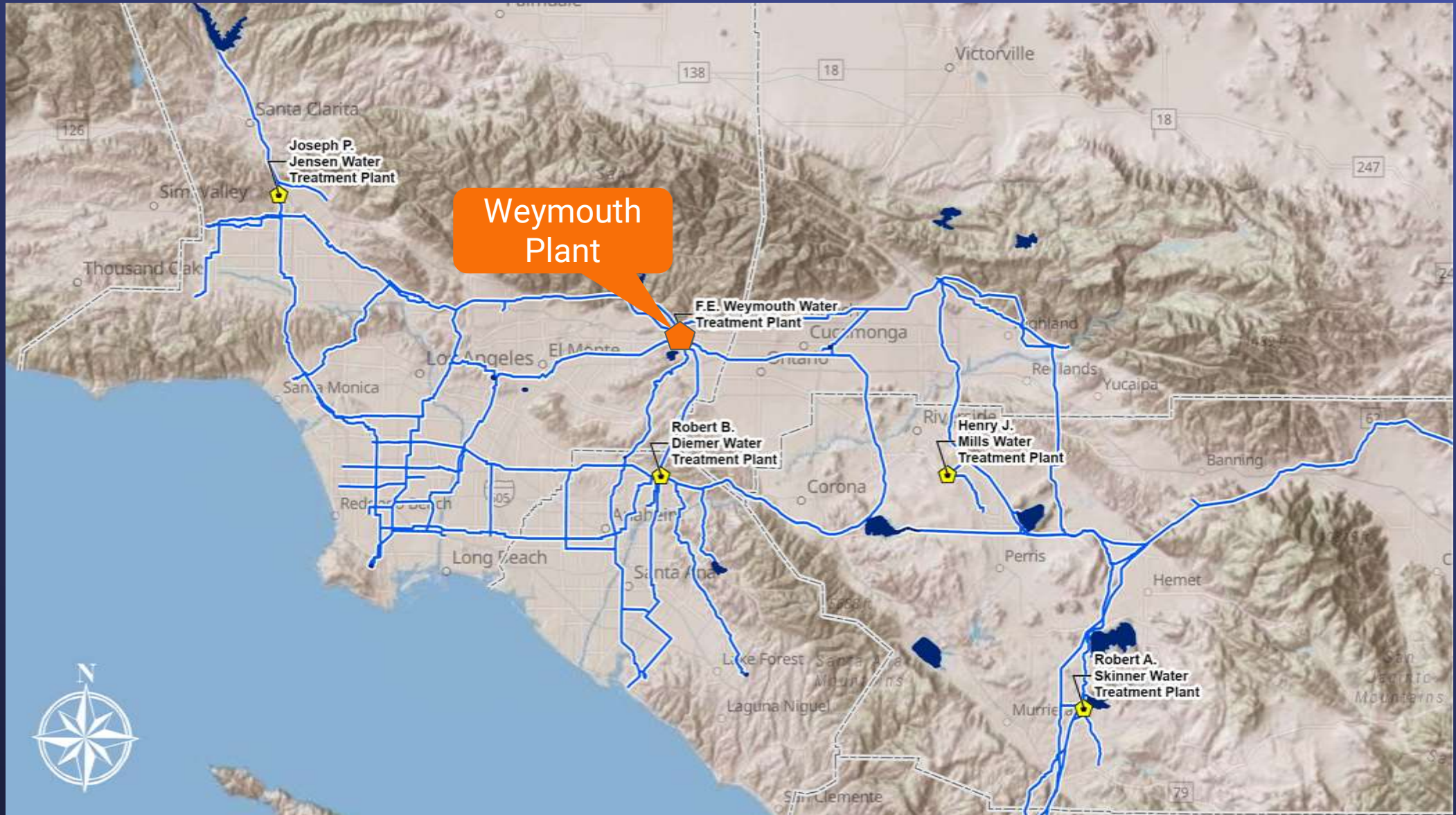
#### Recommendation and Fiscal Impact

Amend the Capital Investment Plan (CIP) to include improvements to the ozone contactor expansion joints

Fiscal Impact – \$ 330,000

#### Non-Budgeted

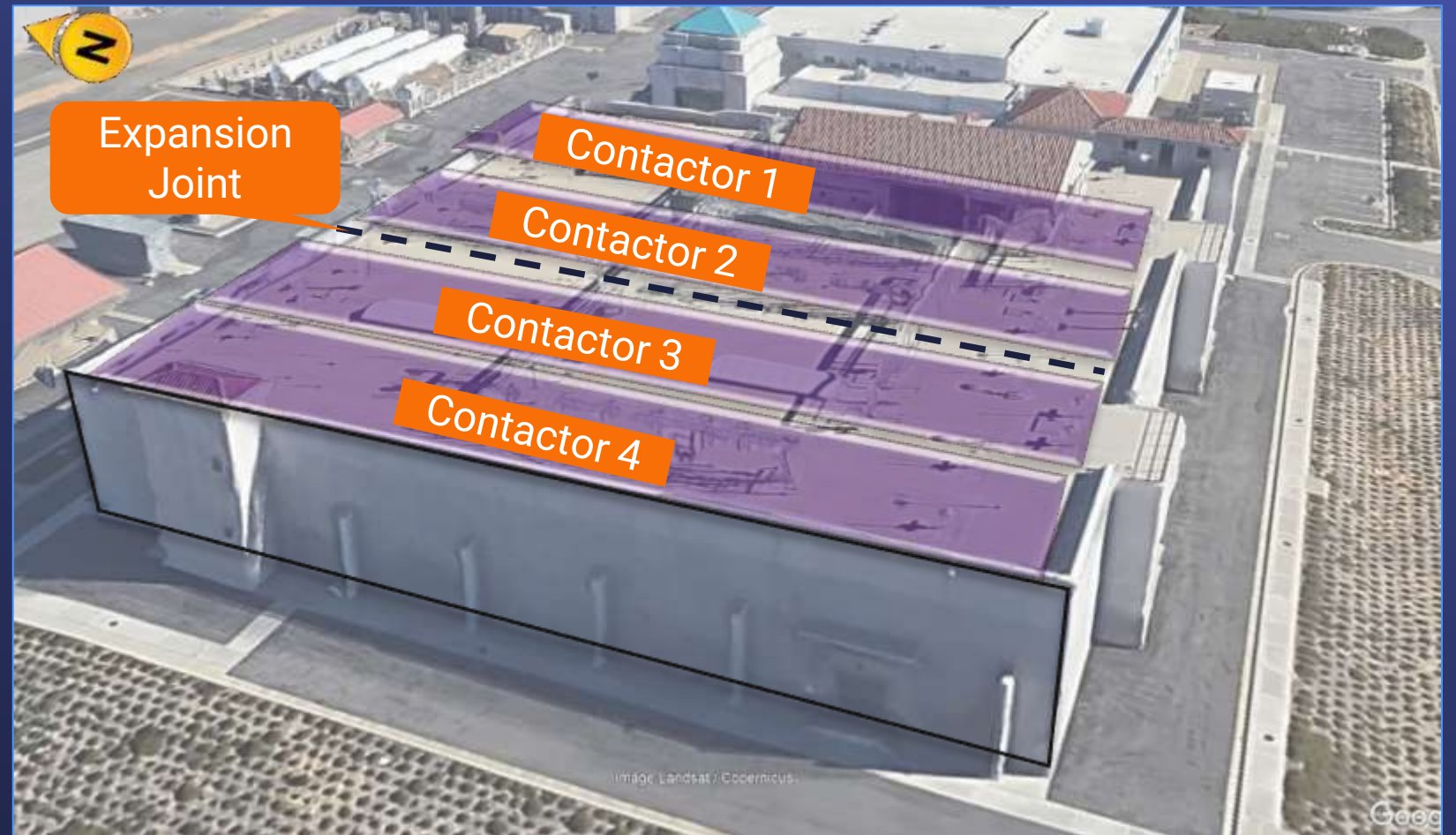
# Location Map





# Weymouth Ozone Contactor Expansion Joint Improvements

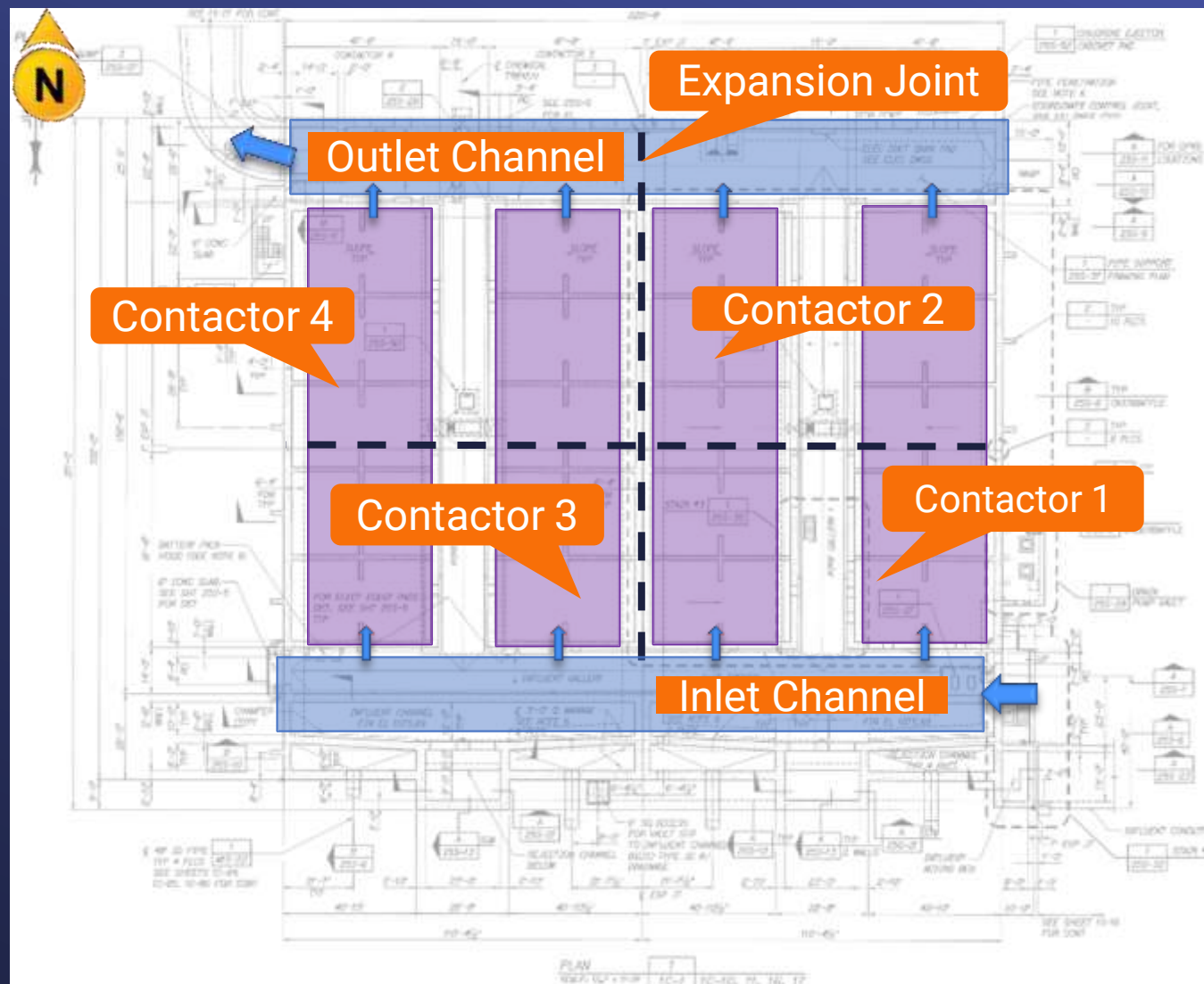
## Background



Ozone Contactor Structure

# Background

## Weymouth Ozone Contactor Expansion Joint Improvements



# Weymouth Ozone Contactor Expansion Joint Improvements

## Background

- Ozone Contactor Structure Outlet Gallery



Expansion Joint Leak

# Weymouth Ozone Contactor Expansion Joint Improvements

## Alternatives Considered

- Considered Alternative – Implement upgrades under next biennial CIP budget
  - Condition of deteriorating joint seals could worsen
- Selected Alternative – Implement improvements in current biennial CIP
  - Reduces risk of unplanned shutdown
  - Addresses leakage in timely manner



# Weymouth Ozone Contactor Expansion Joint Improvements

## Scope of Work

- Conduct field investigations
- Develop final design drawings & specifications
- Prepare cost estimate, plan shutdown, bidding & project management

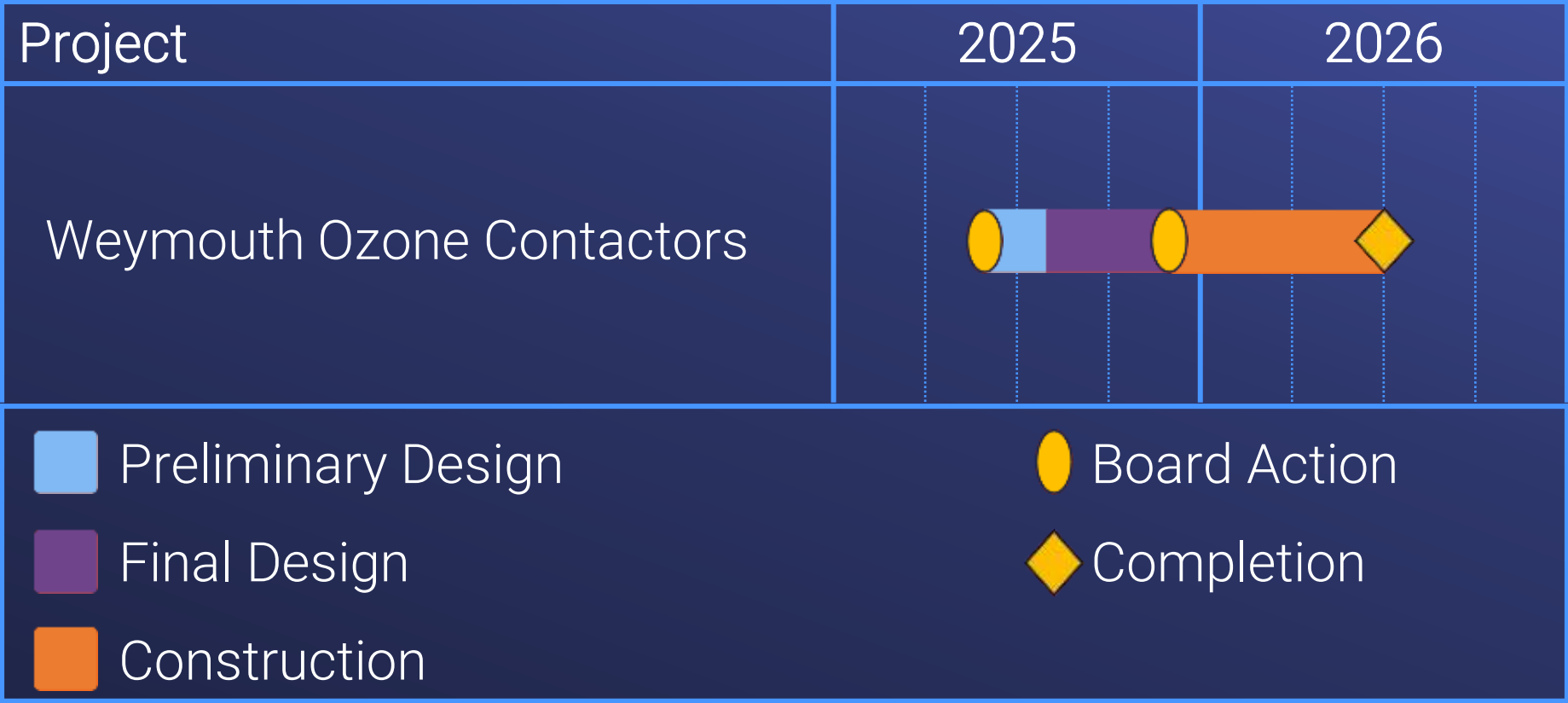


# Allocation of Funds

## Weymouth Ozone Contactor Expansion Joint Improvements

Metropolitan Labor		
Studies & Investigations	\$	74,000
Final Design		141,000
Owner Costs		84,000
Remaining Budget		31,000
Total		\$ 330,000

# Project Schedule



# Board Options

- Option #1

Amend the Capital Investment Plan for fiscal years 2024/25 and 2025/26 to include the ozone contactor expansion joint improvements at the F.E. Weymouth Water Treatment Plant.

- Option #2

Do not proceed with this project at this time.



# Staff Recommendation

- Option #1

