



Engineering, Operations, & Technology Committee

# Weymouth Asphalt Paving Rehabilitation

Item 7-1

March 11, 2024

## Item 7-1 Weymouth Asphalt Refurbishment

### Subject

Award a \$1,754,000 contract to Granite Construction Company for pavement rehabilitation at the F.E. Weymouth Water Treatment Plant

### Purpose

Rehabilitate asphalt pavement in an environmentally-sustainable manner to support the operations of the Weymouth plant and other support facilities on the La Verne site

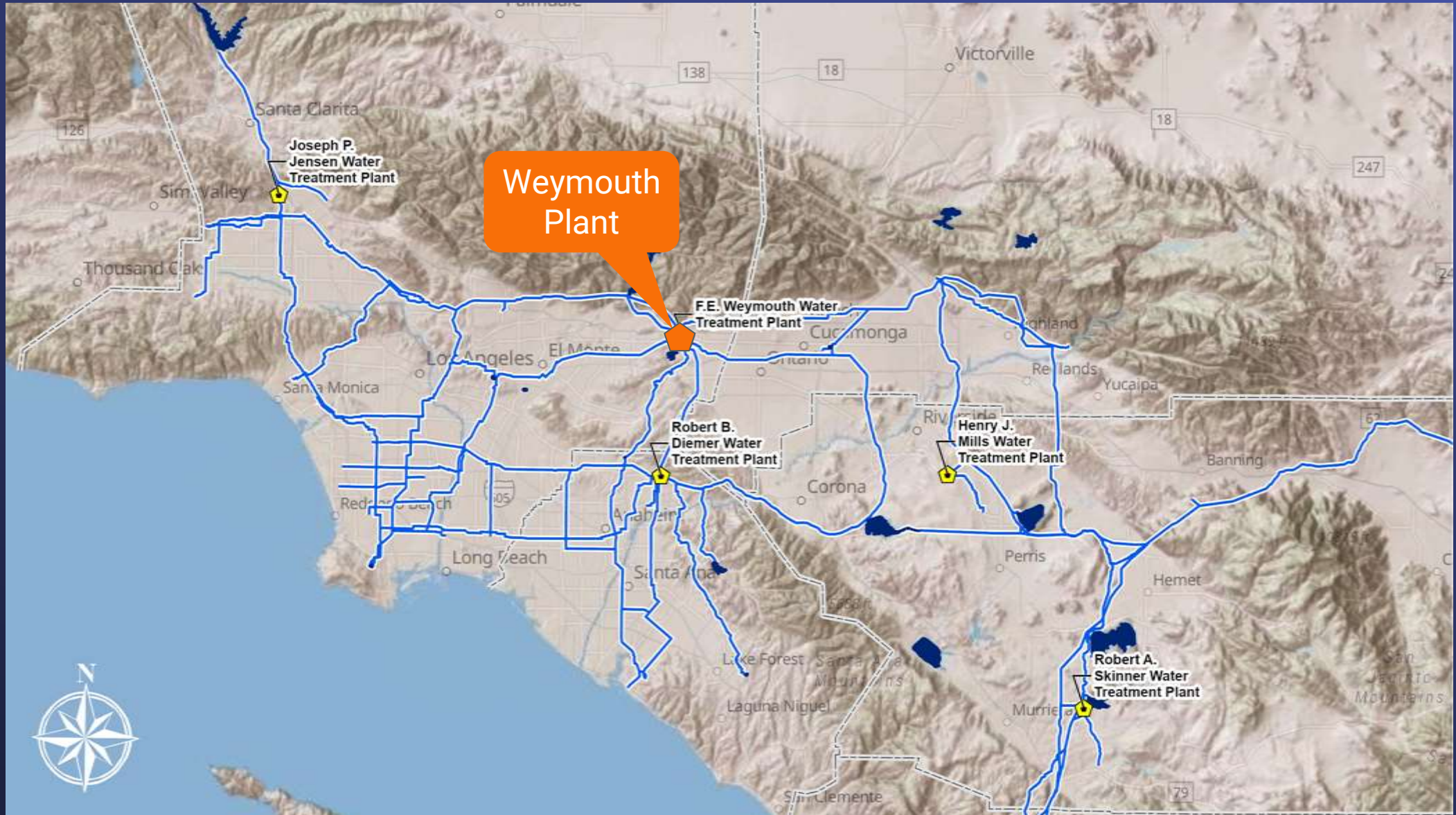
### Recommendation and Fiscal Impact

Award a construction contract to Granite Construction Company to rehabilitate approximately 300,000 square feet of existing asphalt pavement in and around the Weymouth plant

Fiscal Impact of \$2,660,000

### Budgeted

# Location Map



# Background

- Service roads & paved areas at the Weymouth plant
  - Heavy use
  - Deteriorated from up to 80 yrs. of service
- Extensive surface & sub-base deterioration
- Poor drainage



Service Road - South Side of Finished Water Reservoir



Parking Lot Area – North of Finished Water Reservoir

# Weymouth Asphalt Paving Rehabilitation

## Alternatives Considered

- Issue multiple construction contracts
  - Increased costs due to multiple designs, advertisements, & contractor mobilizations
- Continuously perform patch repairs
  - Temporary repairs not suitable for current conditions
- Selected alternative – pavement rehabilitation under a single contract
  - Alternative asphalt rehabilitation method
  - Cost effective

## Weymouth Asphalt Paving Rehabilitation



## Innovation & Sustainability

- High reclaimed asphalt pavement (RAP) mix to be used on project
  - Environmentally-sustainable approach
  - Increased MWD's typical maximum RAP percentage allowance from 20 to 25 percent
  - 40 percent RAP mix used in lower traffic load areas as demonstration (approximately 30% of overall project area)
  - Performance of higher RAP percentage areas to be monitored
  - Optimizes costs without reducing quality or service life

# Scope of Work



## Weymouth Asphalt Paving Rehabilitation

### Scope of Work - Contractor

- Removal of existing pavement
- Grading & compaction of new & existing crushed aggregate base
- Placing of new asphalt concrete pavement
  - Approximately 300,000 square feet
- Placement of sealcoat & new traffic striping
- Concrete drainage improvements



## Weymouth Asphalt Paving Rehabilitation

### Scope of Work - Metropolitan

- Perform survey
- Conduct soil & material testing
- Establish traffic control
- Implement post-construction monitoring program for 40 percent RAP areas
- Provide contract administration & project management

# Bid Results

## Specifications No. 2018

Bids Received	January 31, 2024
No. of Bidders	4
Lowest Responsible Bidder	Granite Construction Company
Low Bid	\$1,754,000
Range of Other Bids	\$1,810,000 to \$3,170,000
Engineer's Estimate	\$2,140,000
SBE Participation*	25%

\*SBE (Small Business Enterprise) participation level set at 25%

# Allocation of Funds

## Weymouth Asphalt Paving Rehabilitation

### Metropolitan Labor

Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)	\$ 182,000
Construction Inspection & Support	230,000
Force Construction	221,000
Submittals Review, Tech. Support, Record Dwgs.	176,000

### Contracts

Granite Construction Company	1,754,000
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Remaining Budget	97,000
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Total \$ 2,660,000

# Project Schedule



# Board Options

- Option #1

Award a \$1,754,000 contract to Granite Construction Company for the rehabilitation of asphalt pavement at the Weymouth plant.

- Option #2

Do not proceed with the project at this time.

# Staff Recommendation

- Option #1

