



Engineering, Operations, & Technology Committee

San Diego Canal Radial Gates Rehabilitation

Item 7-1

July 13, 2026

Presented by: Prudencio Alonso

Item 7-1

San Diego Canal Radial Gates Rehabilitation

Subject

Award a \$7,159,500 contract to Shimmick Construction Company Inc. to replace two radial gates along the San Diego Canal and authorize an increase of \$515,000 to an agreement with Lee and Ro Inc. for technical support during construction

Purpose

This option will enhance reliability of the San Diego Canal delivery system

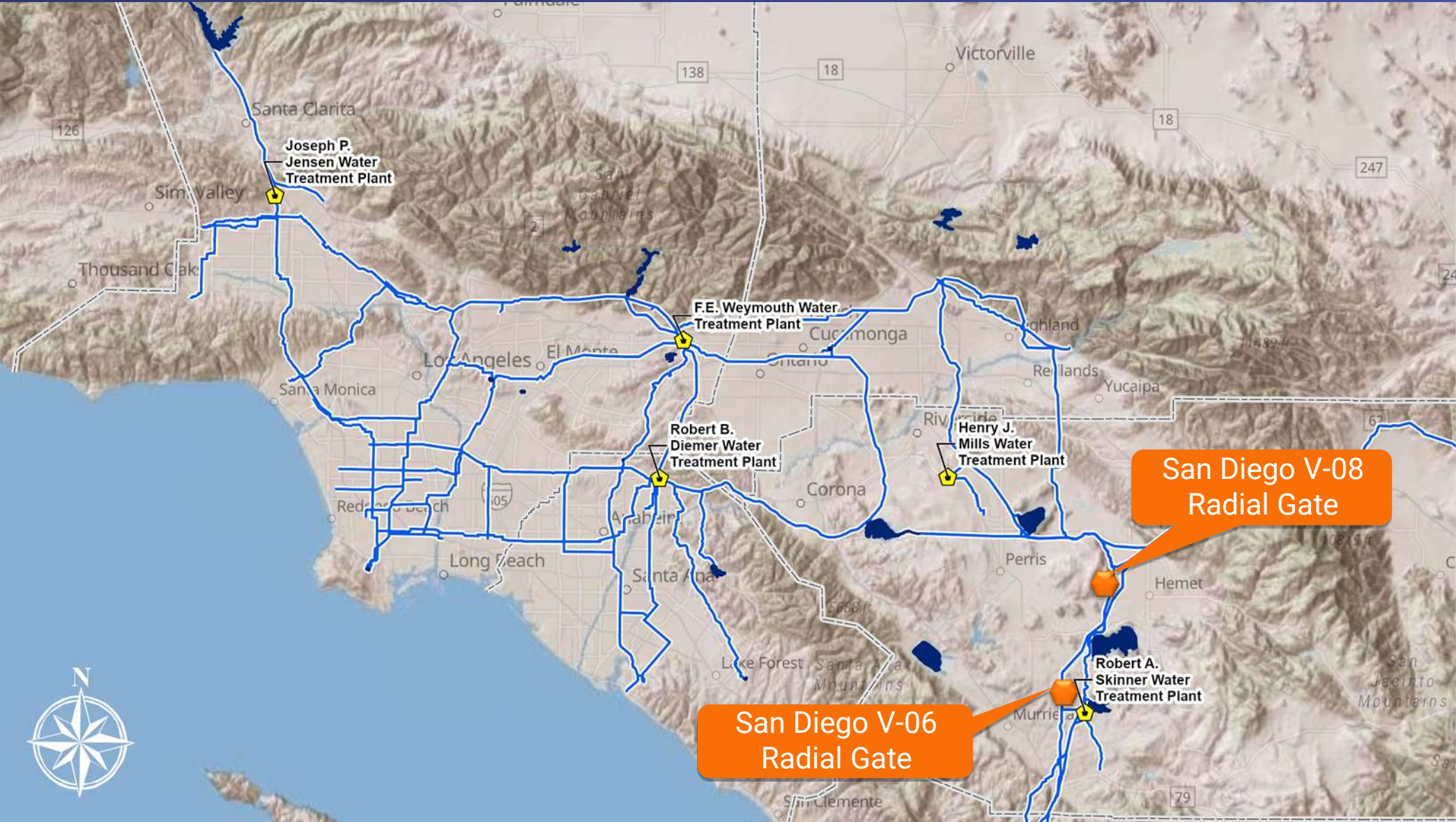
Recommendation and Fiscal Impact

Award a construction contract to replace the radial gates along the San Diego Canal and authorize an increase to an existing agreement

Fiscal Impact – \$10.9 M

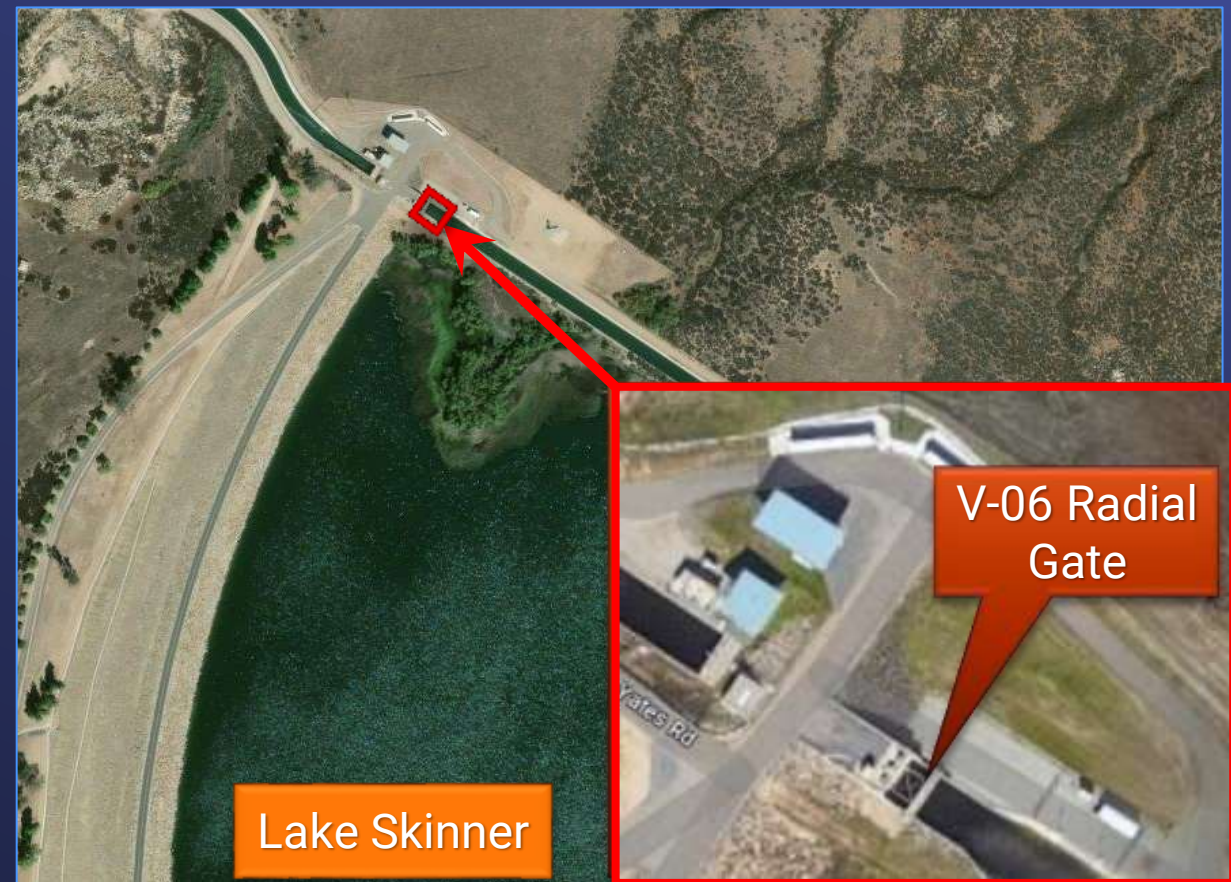
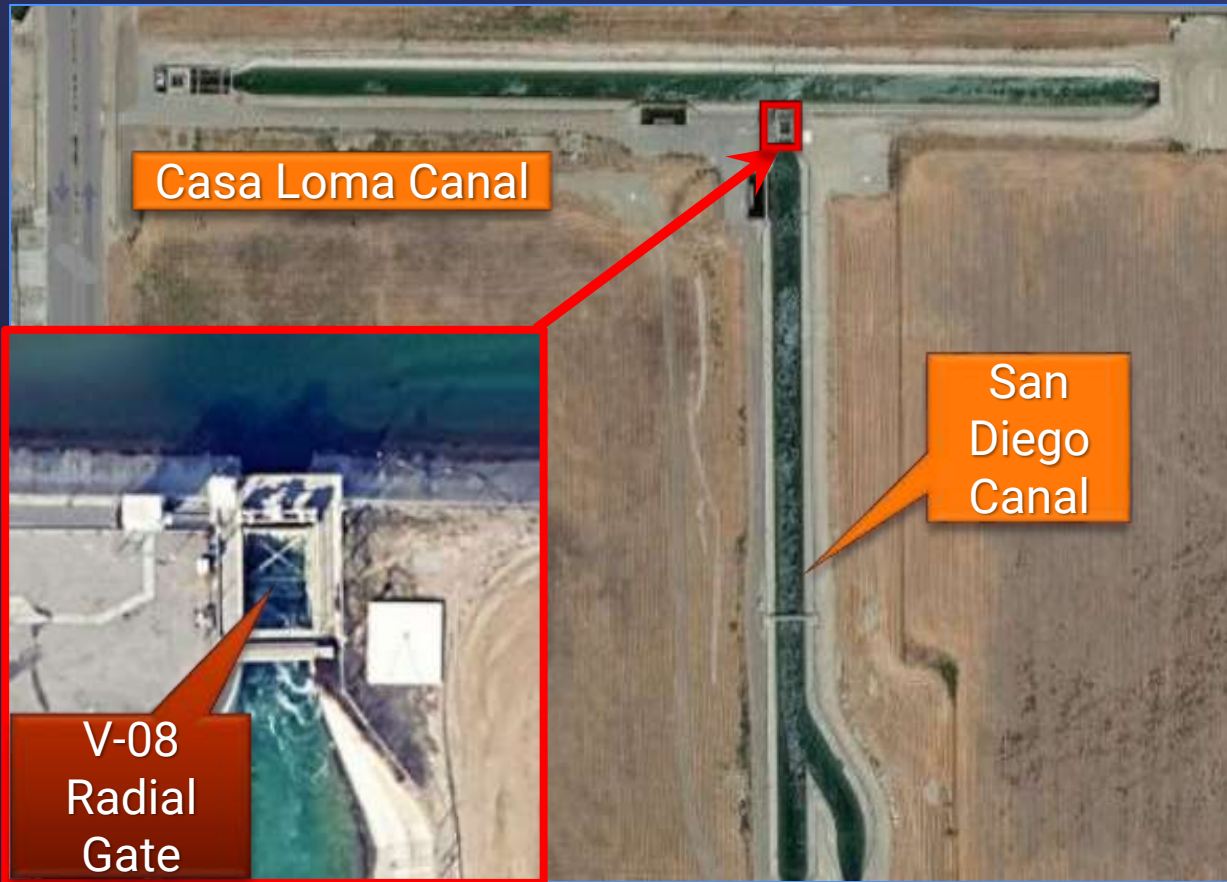
Budgeted

Location Map



Background

- San Diego Canal supplies raw water to Lake Skinner and the San Diego County Water Authority
 - Gates used to shutdown, isolate, divert, and modulate flows along the canal



Background (Cont'd)

- V-06 and V-08 radial gates installed in 1970s and 1990s
 - V-06: 30-ft wide x 15-ft high
 - V-08: 15-ft wide x 15-ft high
- Constructed of a steel framework with a curved plate that rotates to block flow
 - Actuation system mounted above on a concrete structure
- Inspection in 2021 determined the gates were severely corroded
 - Interim repairs of both gates were performed to prevent catastrophic failure



V-08 Radial Gate



Corroded Structural Members

San Diego Canal Radial Gate Rehabilitation

Alternatives Considered

- Considered Alternative – Defer project
 - Continue to monitor level of deterioration and make repairs as required
 - Does not provide long-term reliability
- Selected Alternative – Replace gates
 - Existing gates have exceeded their service life
 - New gates provide greater reliability and reduced maintenance

Scope of Work

- Contractor
 - Purchase and replace two radial gates
 - Fabrication of four drop gates needed to dewater the work area
 - Replace existing actuator system
 - Install new electrical panels
 - Pave access road
- Metropolitan
 - Provide dewatering and establish clearances for multiple shutdowns
 - Perform construction inspection and management
 - Provide environmental support
 - Project management and contract administration

Bid Results

Specifications No. 2130

Bids Received	May 14, 2026
No. of Bidders	5
Lowest Responsible Bidder	Shimmick Construction Company Inc.
Low Bid	\$7,159,500
Range of Other Bids	\$7,737,000 to \$9,490,000
Engineer's Estimate	\$8,800,000
SBE Participation Level	25%

San Diego Canal Radial Gate Rehabilitation

Lee & Ro Inc. – Agreement Amendment

- Engineer of Record
- Scope of Work
 - Provide construction technical support
 - Perform submittal reviews
 - Prepare record drawings
- Amendment amount: \$515,000
- NTE amount: \$1,419,000
- SBE participation level: 100%

Allocation of Funds

San Diego Canal Radial Gates Rehabilitation

Metropolitan Labor

Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support) \$ 453,000

Construction Inspection & Support 946,000

Force Construction 880,000

Submittals Review, Tech. Support, Record Dwgs. 486,000

Professional/Technical Services

Lee & Ro Inc. 515,000

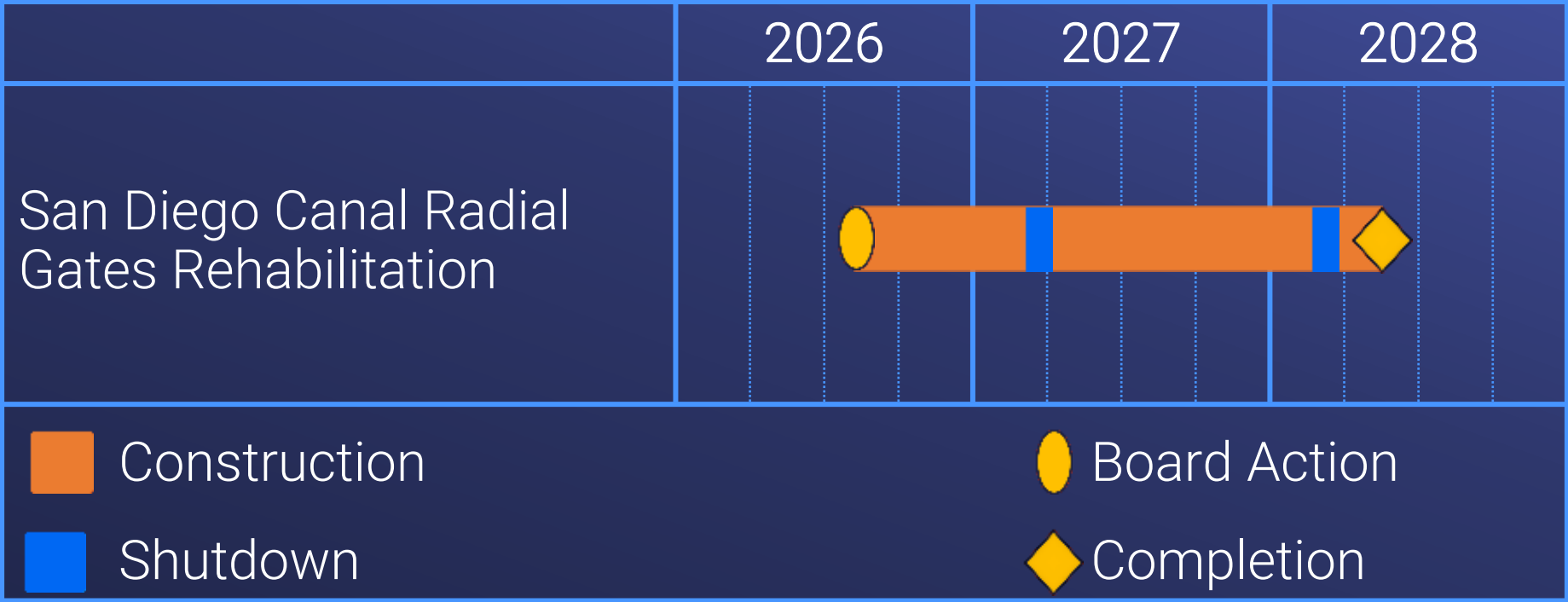
Contracts

Shimmick Construction Company Inc. 7,159,500

Remaining Budget 460,500

Total \$ 10,900,000

Project Schedule



Board Options

- Option #1
 - a. Award a \$7,159,500 contract to Shimmick Construction Company Inc. to replace the two radial gates along the San Diego Canal; and
 - b. Authorize an increase of \$515,000 to an agreement with Lee & Ro Inc. for a new not-to-exceed total of \$1,419,000 for technical support during construction.
- Option #2
 - Do not proceed with the project at this time

Staff Recommendation

- Option #1

