



Engineering, Operations, & Technology Committee

San Diego Canal Rehabilitation

Item 7-3

October 9, 2023

San Diego Canal Rehabilitation

Current Action

- Award a \$4,400,000 construction contract to Bosco Constructors Inc. for rehabilitation of the San Diego Canal concrete liner at three locations

Distribution System



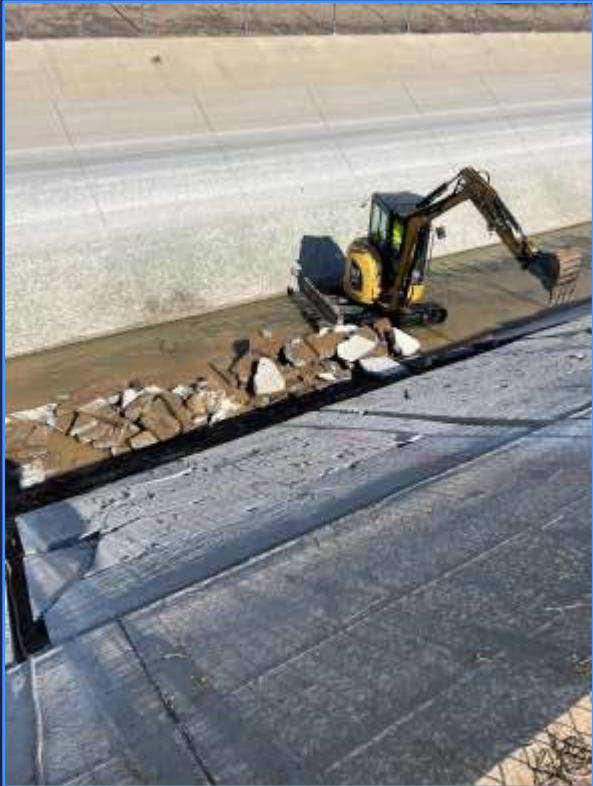
San Diego Canal Rehabilitation



Background

- San Diego Canal constructed in 1950s
 - Trapezoidal cross section
 - 15 feet deep, 50 feet wide, & 16-miles long
 - Concrete lining with individual panels
 - 12 feet by 11 feet & 4 to 8 inches thick
- Inspections performed in 2019 & 2021 during CRA shutdown
 - Identified 3 locations with concrete liner degradation
 - Final design complete & award of contract recommended

San Diego Canal Rehabilitation



Example of degraded concrete canal panels

Alternatives

- Considered Alternative – Metropolitan Construction
 - Metropolitan has performed this type of work previously
 - Staff focused on maintenance work during CRA shutdown
- Selected Alternative – Contractor performs work
 - Does not interfere with CRA maintenance
 - Allows rehabilitation to occur during upcoming next CRA shutdown

San Diego Canal Rehabilitation



Example of buckled concrete canal panels

October 9, 2023

Scope of Work

- Contractor
 - Over-excavation & aggregate base backfill
 - Install 70 steel-reinforced concrete panels totaling 10,000 square feet with 64 weep holes
- Metropolitan Staff
 - Dewatering support
 - Construction management
 - Environmental monitoring, hazardous material oversight
 - Engineering technical support & project management

Bid Results

Specifications No. 2084

Bids Received	September 13, 2023
No. of Bidders	2
Lowest Responsible Bidder	Bosco Constructors Inc.
Low Bid	\$4,400,000
Other Bid	\$5,788,888
Engineer's Estimate	\$3,300,000
SBE Participation*	100%

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

Allocation of Funds

San Diego Canal Rehabilitation

Metropolitan Labor

Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)	\$ 170,000
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Construction Inspection & Support	472,000
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Force Construction	90,000
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Submittals Review, Tech. Support, Record Dwgs.	164,000
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Professional/Technical Services	50,000
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Contracts

Bosco Constructors Inc.	4,400,000
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Remaining Budget	54,000
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Total \$ 5,400,000

Project Schedule



Board Options

- Option #1
Award a \$4,400,000 contract to Bosco Constructors Inc. to rehabilitate the San Diego Canal at three locations.
- Option #2
Do not proceed with the project at this time.

Staff Recommendation

- Option #1

