



Engineering & Operations Committee

Rialto Pipeline Water Supply Improvements Valve Procurement

Item 7-5

August 15, 2022

Rialto Pipeline Water Supply Improvements

Valve Procurement

Current Action

- Award a \$5,647,405 procurement contract to Sojitz Machinery Corporation of America for three 84-inch diameter butterfly valves as part of water supply reliability improvements in the Rialto Pipeline service area
- Part of series of projects to improve supply reliability for SWP dependent member agencies

Background – On-going Water Supply Reliability Improvements

- Programs initiated to improve supply reliability of State Water Project dependent areas



Rialto Pipeline Water Supply Improvements

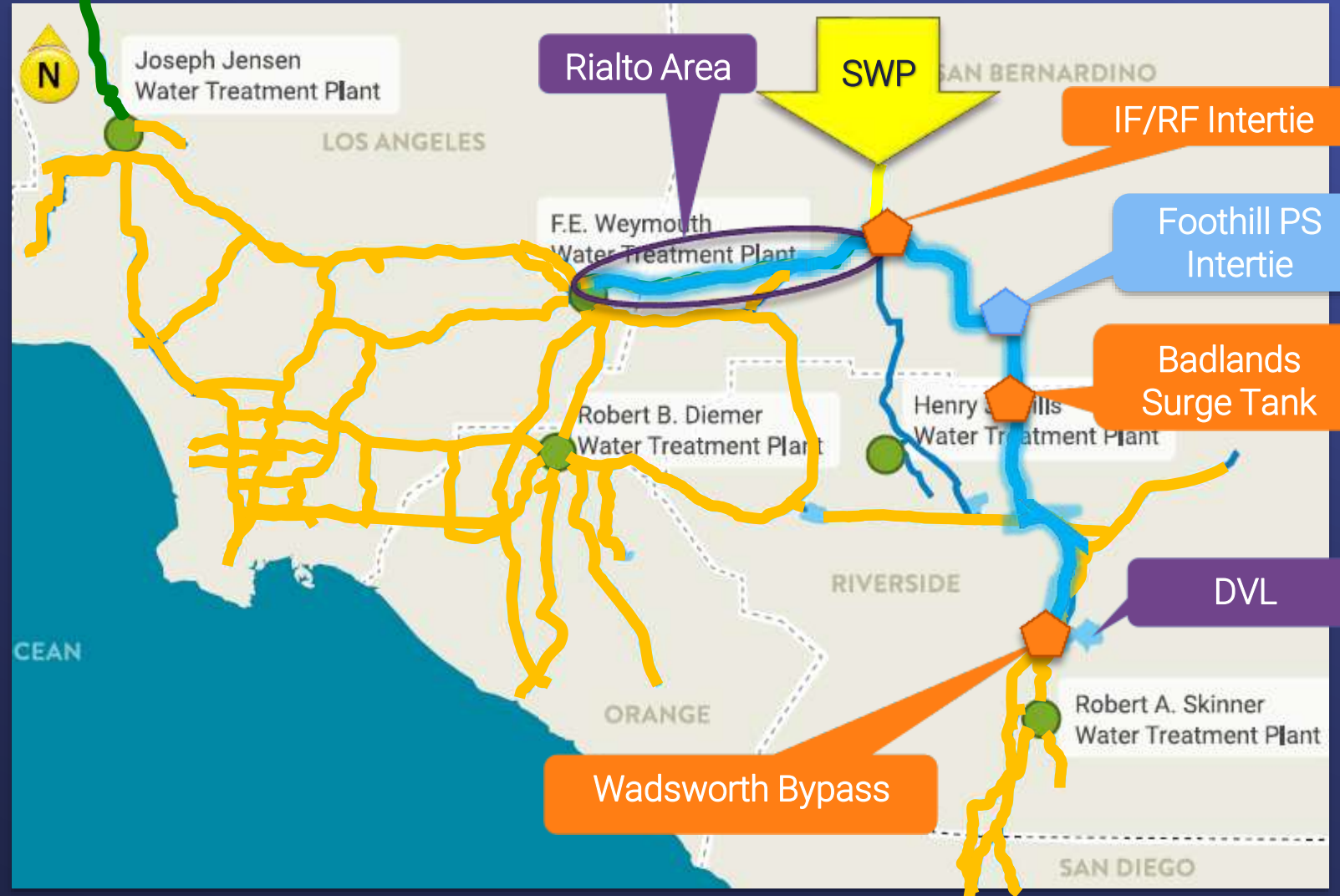
Valve Procurement

Background

- Rialto Pipeline is approx. 30 miles long & 96 to 144 inches in diameter
 - Conveys SWP to Inland Empire Utilities Agency, Three Valleys Municipal Water District & Upper San Gabriel Valley Municipal Water District
- Diamond Valley Lake (DVL) is Metropolitan's largest reservoir
 - Provides member agency demands, emergency storage & a reserve for drought conditions
- Rialto Pipeline is unable to access water stored in DVL or from the CRA due to infrastructure & operational constraints

Rialto Pipeline Area Drought Actions

- Rialto Pipeline service area is dependent on SWP
- Rialto Pipeline Water Supply Improvements:
 - Wadsworth P.P. Bypass
 - Badlands Tunnel Surge Protection Facility
 - Foothill Pump Station Intertie
 - Inland Feeder Rialto Pipeline Intertie
- Valve procurement recommended at this time



Rialto Pipeline Water Supply Improvements

Valve Procurement

Valve Procurement & Installation

- Valve fabrication & delivery can take up to two years
 - Delivery scheduled for summer 2024
- Project components will be operational by end of 2023
 - Utilize removable bulkheads for temporary isolation
- Valves to be installed during February 2025 shutdown
 - Under separate contract

Rialto Pipeline Water Supply Improvements

Valve Procurement

Alternatives Considered

- Different types of valves for isolation
 - Conical, spherical & butterfly valves were considered
 - Conical & spherical valves are larger, more expensive & take longer to fabricate
- Selected alternative
 - For situations requiring only isolation butterfly valves are more appropriate & cost-effective

Rialto Pipeline Water Supply Improvements

Valve Procurement

Scope of Work

- Contractor
 - Furnish three 84-inch butterfly valves
 - Deliver valves to Wadsworth Pumping Plant
- Metropolitan
 - Submittal review
 - Factory fabrication inspection
 - Off-load & store valves
 - Contract administration & project management

Bid Results

Specifications No. 2022

Bids Received	June 28, 2022
No. of Bidders	2
Lowest Responsible Bidder	Sojitz Machinery Corporation of America
Lowest Responsible Bid	\$5,647,405
Range of Bids	\$2.1 M* to \$5.6 M
Estimated Range of Costs	\$5.0 M to \$5.5 M

*Non-responsive bid

Allocation of Funds

Rialto Valve Procurement

Metropolitan Labor

Program mgmt., contract admin. & envir. support \$ 90,000

Fabrication Inspection 132,000

Submittal review, technical support & record drwgs. 63,000

Force construction 33,000

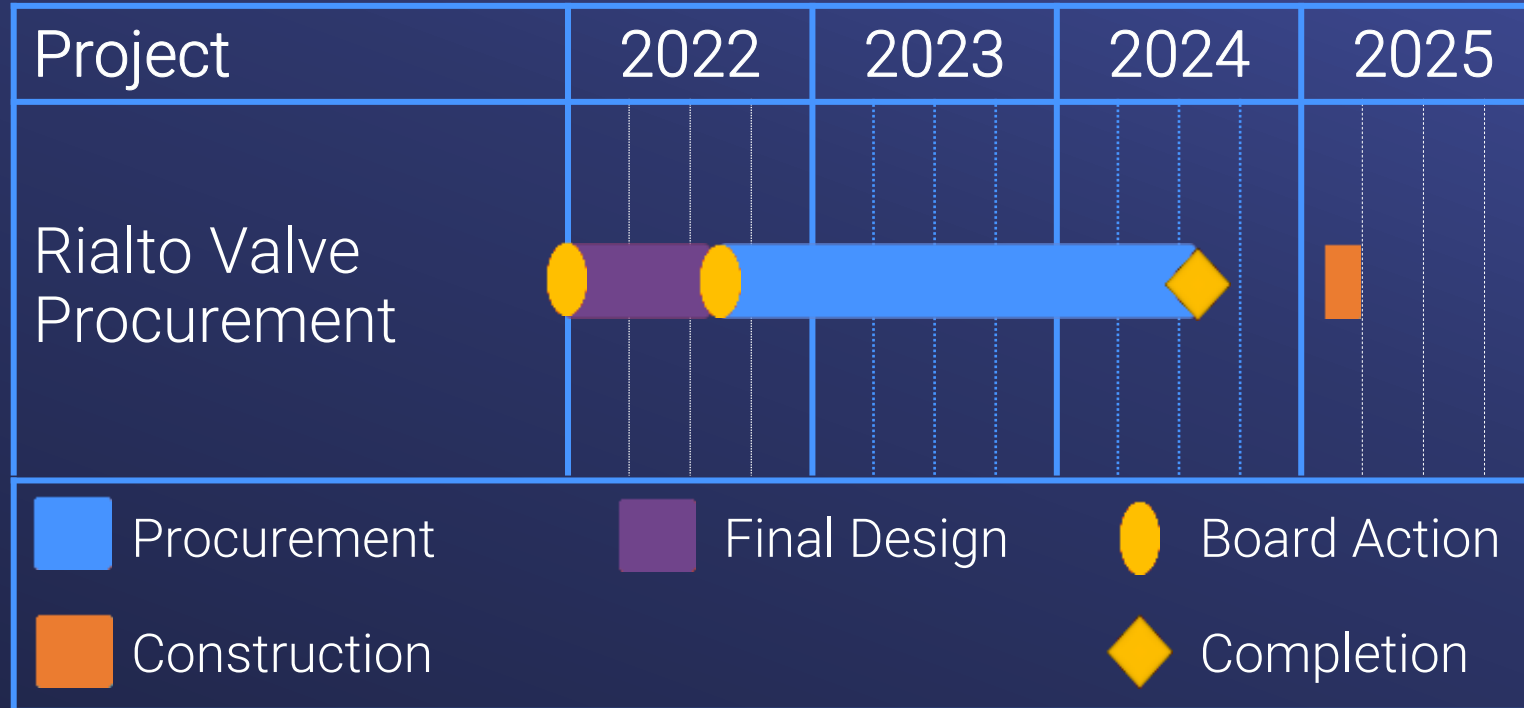
Contract

Sojitz Machinery Corporation of America 5,647,405

Remaining Budget 234,595

Total \$6,200,000

Project Schedule



Board Options

- Option #1

Award a \$5,647,405 contract to Sojitz Machinery Corporation of America to furnish three 84-inch diameter butterfly valves to improve the water supply reliability of the Rialto Pipeline.

- Option #2

Do not proceed with this project at this time.

Staff Recommendation

- Option #1

