



PCCP Rehabilitation Valve & Equipment Storage Building

Engineering and Operations Committee

Item 7-5

February 7, 2022

Current Action

- Review and consider Addendum No. 4 to the 2017 Programmatic Environmental Impact Report
- Award \$4,759,000 contract to Facility Builders & Erectors, Inc. for construction of the prestressed concrete cylinder pipe (PCCP) Rehabilitation valve and equipment storage building

Distribution System



Location Map



Background

- \$23M contract awarded in 2018 to furnish 13 conical plug isolation valves for future PCCP Rehabilitation Program projects
- Long-term storage for these valves needed



Two 48" conical plug valve bodies



Temporary valve storage at Weymouth

Alternatives Considered

- Use potentially available storage spaces within Metropolitan's existing facilities
- Lease warehouse to store all the valves
 - Requires facility to be accessible
 - Lease options limited due to valve crates weight (35 tons)
- Plan a larger La Verne Warehouse Storage Replacement building
 - Project will not be completed until 2028
- Selected Option - Construct the storage building at Lake Mathews
 - Provides for timely storage of valves/equipment
 - Long-term cost savings
 - Provides maximum flexibility for all future storage needs

Contractor Scope

- Perform site grading and paving
- Construct concrete foundation suitable for equipment weights
- Furnish and erect 18,200 sq ft pre-engineered metal building with motorized roll-up doors
- Install fire protection system
- Tie in building to site's existing power supply



Metropolitan Scope

- Clear site prior to start of construction contract
- Provide electrical shutdown support
- Perform construction inspection and survey control
- Perform submittal review, respond to requests for information, and prepare record drawings
- Perform project management and contract administration

Bid Results

Specifications No. 2013

Bids Received	December 16, 2021
No. of Bidders	7
Low Bidder	Facility Builders & Erectors, Inc.
Low Bid	\$4,759,000
Range of Higher Bids	\$4,883,000 to 5,640,000
Engineer's estimate	\$7,000,000
SBE Participation*	46%

*SBE (Small Business Enterprise) participation level set at 20%

Allocation of Funds

Contract	\$4,759,000
Metropolitan Labor	
Program mgmt. & contract admin.	534,000
Force Construction	90,000
Const. Inspection	582,000
Submittal review & record drwgs.	372,000
Professional Services	
Helix Group, Inc. (Environmental)	165,000
Lee & Ro, Inc. (Engineering)	269,000
Remaining Budget	329,000
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Total	\$7,100,000

Project Schedule



Board Action



Completion of
Construction



Construction

Board Options

- Option #1
 - Review and consider Addendum No. 4 to the 2017 Programmatic Environmental Impact Report; and Award \$4,759,000 contract to Facility Builders & Erectors, Inc. for construction of the PCCP Rehabilitation Valve and Equipment Storage Building.
- Option #2
 - Do not proceed with the project at this time.

Staff Recommendation

- Option #1

