



Engineering, Operations, & Technology Committee

Allen-McColloch Pipeline Urgent PCCP Rehabilitation Stage 2

Item 8-1

May 13, 2024

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Allen-McColloch Pipeline Urgent PCCP Rehab Stage 2

Subject

Award a \$24,912,000 construction contract to J.F. Shea Construction Inc. for urgent rehabilitation of prestressed concrete cylinder pipe portions of the Allen-McColloch Pipeline; authorize an increase of \$250,000 to an agreement with Helix Environmental Planning Inc. for a new not-to-exceed amount of \$2,500,000; and authorize an amendment to Metropolitan's Project Labor Agreement to add the subject project to the list of covered projects

Purpose

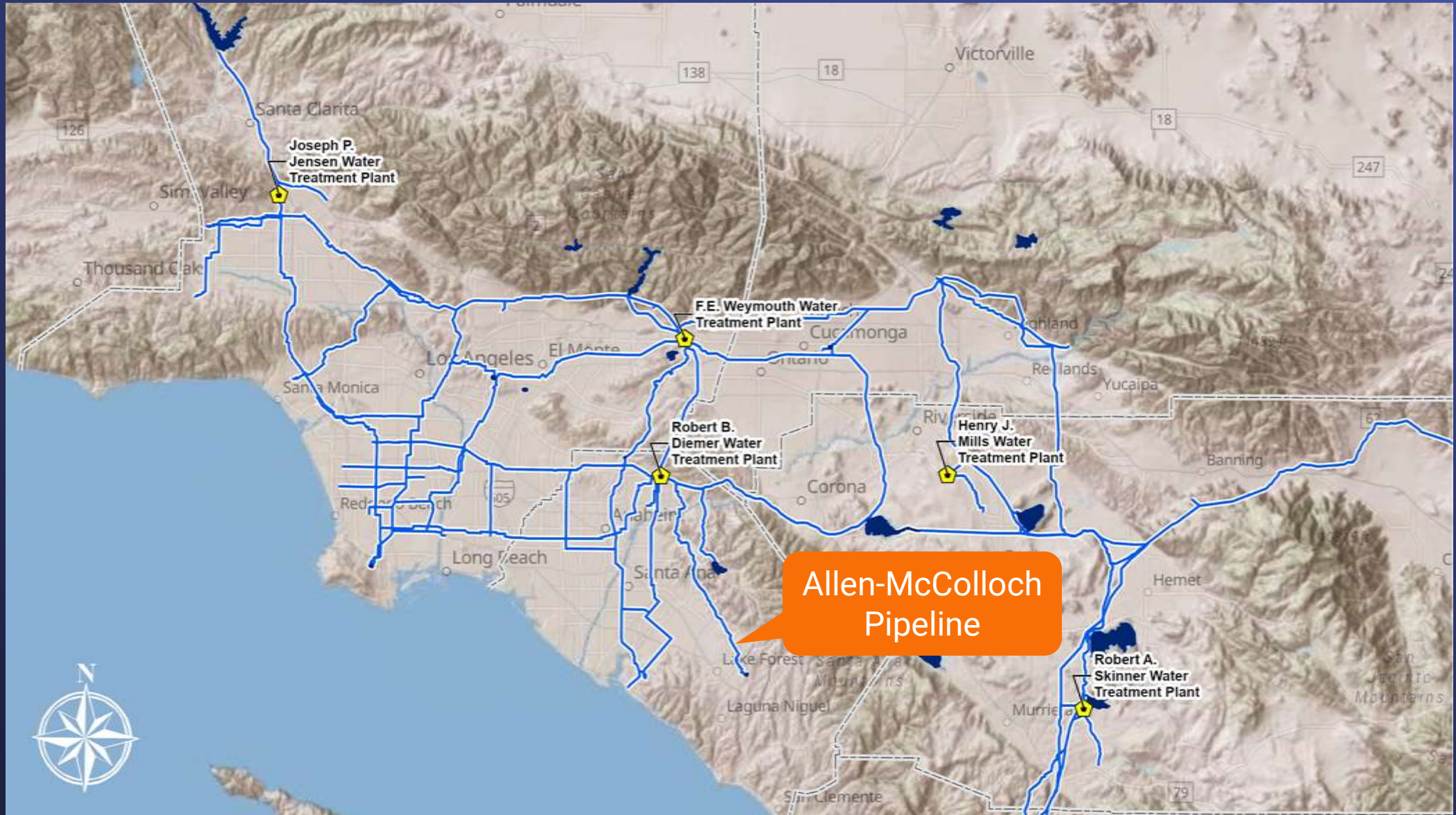
This action rehabilitates approximately 2.4 miles of the Allen-McColloch Pipeline (AMP)

Recommendation and Fiscal Impact

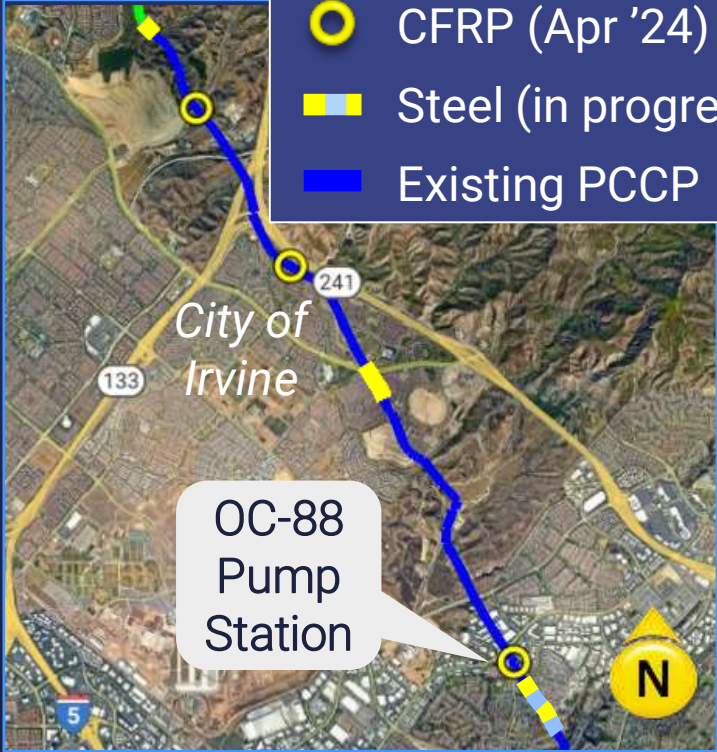
Award a construction contract for the PCCP rehabilitation of the AMP and authorize an increase to an agreement for environmental support
Fiscal Impact of \$31.9 million

Budgeted

Location Map



AMP Urgent PCCP Rehab Recap



- Steel (Apr '24)
- CFRP (Apr '24)
- Steel (in progress)
- Existing PCCP



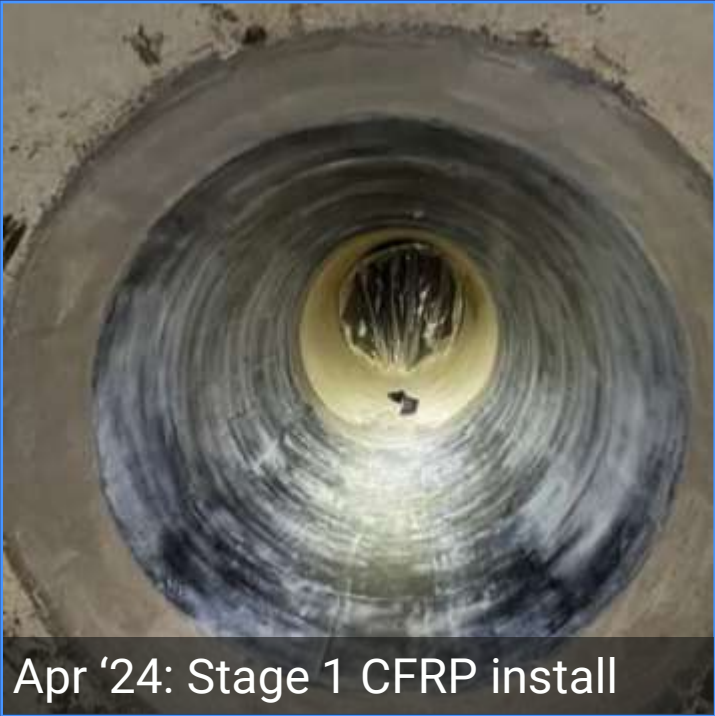
Jan '24: Pressure reducing line



Feb '24: Pipe fabrication



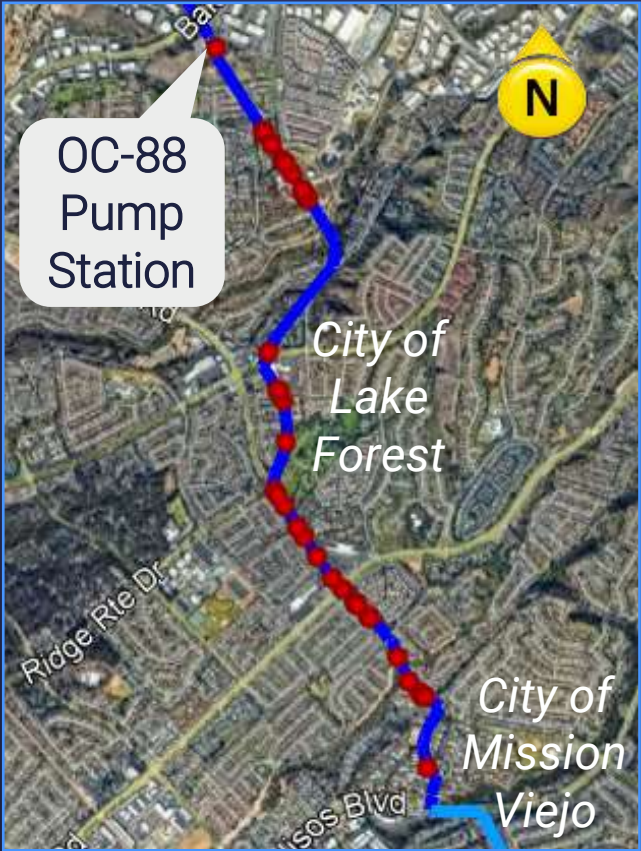
Apr '24: Stage 1 steel liner install



Apr '24: Stage 1 CFRP install

AMP Stage 1 overview

AMP Urgent PCCP Rehab - Stage 2 Alternatives



Distressed segments – Stage 2

Initial Option

Rehabilitate only distressed pipe segments

- Focus on 18 pipe segments with 20 to 130 wire breaks
- Does not address shorter than expected service life of AMP PCCP

Selected Option

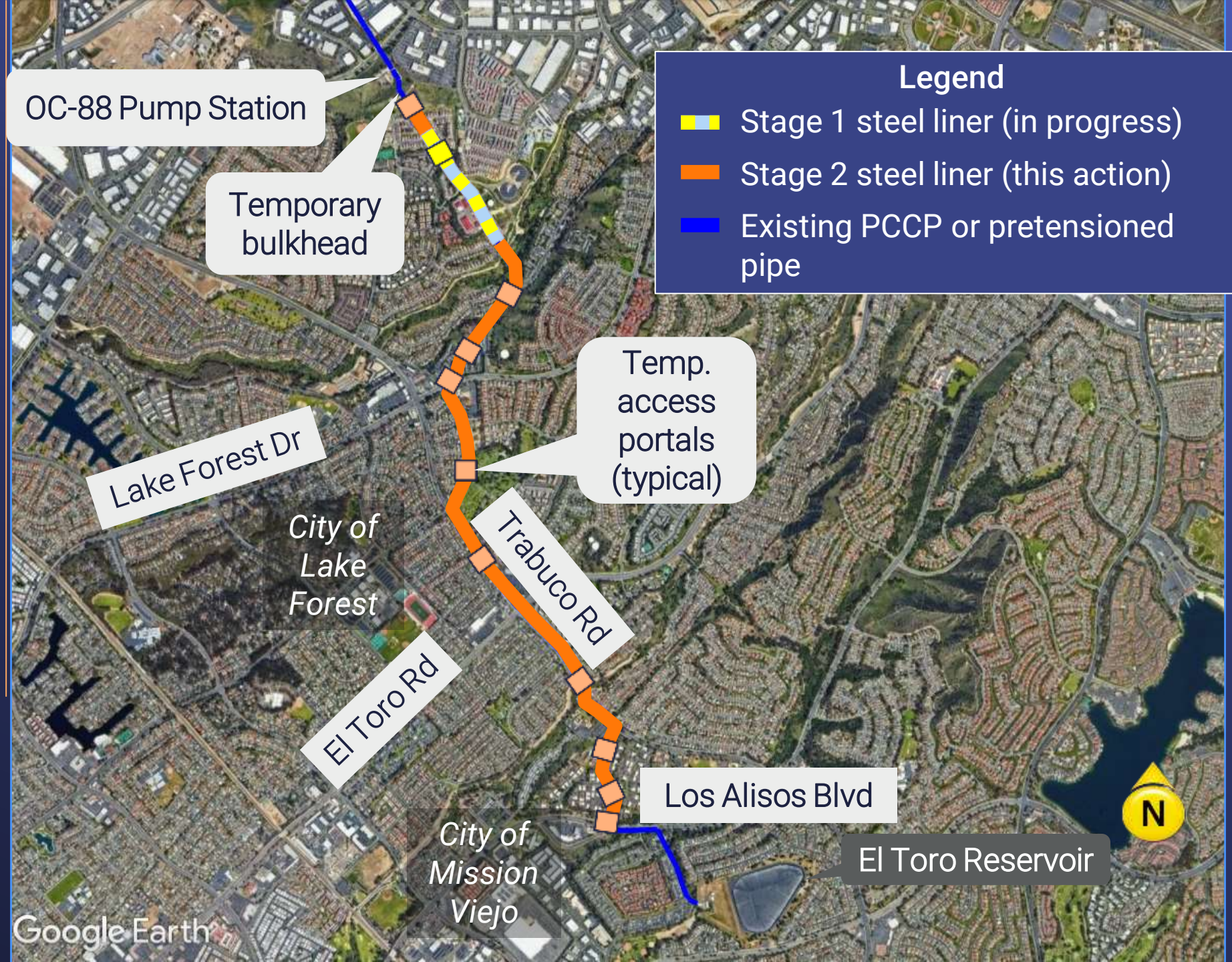
Complete steel relining of all PCCP downstream of OC-88

- Approach selected after consultation with MWD OC
- Efficient and cost-effective
- Minimizes service interruptions and reduces risks of PCCP failure

AMP Urgent PCCP Rehab. - Stage 2 Scope of Work

Reline 12,700 ft of PCCP:

- Temp. traffic controls
- Temp. portals (11)
- Installation, welding & grouting of new liner
- Backfill & compaction
- Restoration of streets & disturbed areas



AMP Urgent PCCP Rehabilitation Stage 2

Metropolitan Scope of Work

- Shutdown & return to service
- Construction management & inspection
- Contract administration, engineering support
- Environmental monitoring, public outreach & project management



Bid Results

Specifications No. 2108*

Bids Received	April 12, 2024
No. of Bidders	2
Lowest Responsible Bidder	J.F. Shea Construction Inc.
Low Bid	\$24,912,000
Other Bid	\$34,407,000
Engineer's Estimate	\$25,800,000
SBE Participation**	14%

*Contract included in PLA

**SBE (Small Business Enterprise) participation level set at 5%

Helix Environmental Planning Inc. – Agreement Amendment

- Selected via RFP No. 1157
- Perform monitoring during construction
- Prepare environmental documentation to comply with environmental regulations
- Increase of \$250,000 for a new NTE amount of \$2.5 M

AMP Urgent PCCP
Rehabilitation
Stage 2

Allocation of Funds

Allen-McColloch Pipeline Urgent PCCP Rehabilitation – Stage 2

Metropolitan Labor

Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support) \$ 669,000

Construction Inspection & Support 2,518,000

Force Construction 1,438,000

Submittals Review, Tech. Support, Record Dwgs. 770,000

Materials & Incidentals 162,000

Professional/Technical Services 449,000

Right-of-Way 149,000





Contracts

J.F. Shea Construction Inc. 24,912,000

Remaining Budget 833,000

Total \$ 31,900,000

Project Schedule

Project	2024	2025
AMP Urgent PCCP Rehabilitation – Stage 2		
 Construction	 Board Action	 Completion

Board Options

- Option #1
 - a. Award a \$24,912,000 contract to J.F. Shea Construction Inc. to rehabilitate approximately 2.4 miles of PCCP portions of the Allen-McColloch Pipeline.
 - b. Authorize an increase of \$250,000 to an agreement with Helix Environmental Planning Inc. for a new not-to-exceed amount of \$2,500,000.
 - c. Amend Metropolitan's Project Labor Agreement to include the Allen-McColloch Urgent PCCP Rehabilitation Stage 2 Project.
- Option #2

Do not award a construction contract to rehabilitate the AMP and do not amend an agreement for environmental planning support at this time.

Staff Recommendation

- Option #1

