



Engineering, Operations, & Technology Committee

# Perris Valley Pipeline Interstate 215 Crossing

Item 7-3

January 9, 2023

# Perris Valley Pipeline Interstate 215 Crossing

## Current Action

- Award a \$59,489,720 contract to James W. Fowler Company for construction of the Interstate 215 freeway tunnel crossing for the Perris Valley Pipeline
- Authorize agreements with:
  - Parsons Environment & Infrastructure Group, Inc. for \$1,000,000 to provide technical support during construction
  - Mott McDonald Group for \$3,500,000 to provide construction management support
  - Rincon Consultants, Inc. for \$250,000 to provide specialized environmental support

# Distribution System



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## Background

- 2004 - Eastern MWD & Western MWD of Riverside County requested additional water deliveries from the Mills plant
- 2006 to 2008 - 3 construction contracts awarded
  - 8-ft diameter, 6.5-mile pipeline
    - Mills plant tie-in (237 ft)
    - North reach (2.6 miles)
    - South reach (3.5 mile )

# Perris Valley Pipeline



# Project Scope of Work



# Perris Valley Pipeline Interstate 215 Crossing



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## Contractor – Scope of Work

- Construct four access shafts
- Construct approx. 3,000 LF of tunnel
  - Install initial ground support (IGS)
  - Groundwater management
    - Treat for PFAS, if detected
- Install 97” ID Welded Steel Pipe (WSP)
- Grout the annular space between WSP & IGS
- Mortar line the WSP
- Restore the project sites



Tunnel Boring Machine

# Bid Results

## Specifications No. 1928\*\*

Bids Received	December 1, 2022
No. of Bidders	2
Lowest Responsible Bidder	James W. Fowler Company
Low Bid	\$59,489,720
Other Bid	\$67,880,500
Engineer's Estimate	\$74,000,000
SBE Participation*	11%

\*SBE (Small Business Enterprise) participation level set at 10%

\*\*This contract will be conducted under the terms of Metropolitan's project labor agreement



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## Alternatives Considered for Staffing

- Utilize Metropolitan staff
  - Current workloads exceed available staff resources
  - Specialized technical expertise required
- Selected option
  - Develop hybrid Metropolitan/consultant team
  - Metropolitan leads construction management effort
  - Consultants provide specialized expertise & augment current staff levels

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## Mott McDonald Group Agreement

- Prequalified under RFQ No. 1298
- Provides specialized construction management support
- Scope of work
  - Conduct field inspection for tunnelling activities
  - Review tunnel submittals
  - Provide general construction management support
- NTE amount: \$3,500,000
- SBE participation level: 25%

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## Parsons Environment & Infrastructure Agreement

- Engineer of record
- Scope of work – Technical support during construction
  - Submittal review
  - Responding to requests for information
  - Advising inspectors on technical issues
  - Preparing record drawings
- NTE amount: \$1,000,000
- SBE participation level: 25%

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## Rincon Consulting, Inc. Agreement

- Prequalified under RFQ No. 1265
  - Selected based on firm's expertise with CEQA compliance
- Provides environmental monitoring support
- Scope of work
  - Perform preconstruction surveys
  - Provide environmental awareness training
  - Conduct construction monitoring & reporting
  - Provide general support
- NTE amount: \$250,000

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## Metropolitan Scope

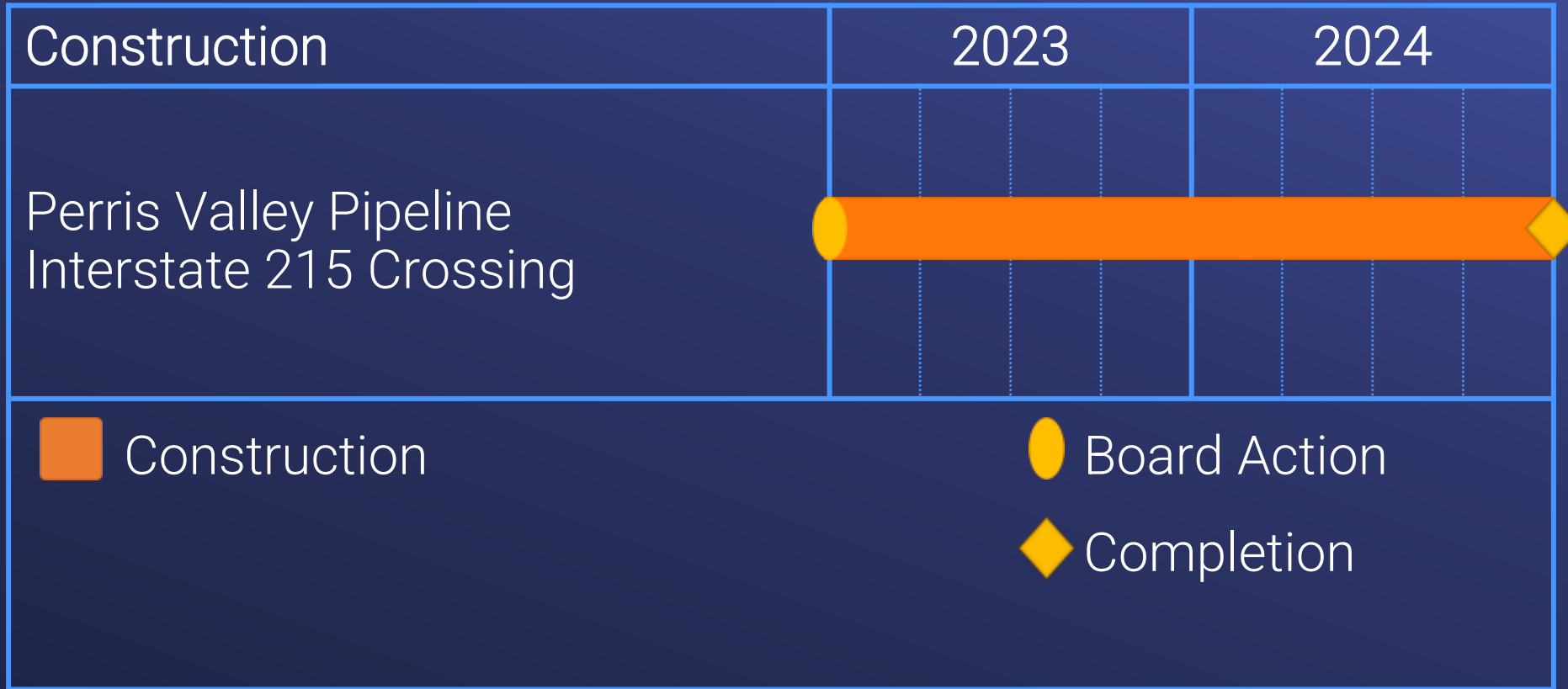
- Shutdown, final disinfection, & return of pipeline to service
- Construction management & inspection
- Contract administration, project controls, PLA administration & project management

# Allocation of Funds

## Perris Valley Pipeline Interstate 215 Crossing

Metropolitan Labor	
Owners Costs (Proj. Mgmt., Contract Admin., Envir. Support)	\$ 2,080,000
Construction Inspection & Support	3,100,000
Force Construction	600,000
Submittals Review, Tech. Support, Record Dwgs.	769,000
Professional/Technical Services	
Parsons Environment & Infrastructure Group	1,000,000
Mott McDonald Group	3,500,000
Rincon Consulting, Inc.	250,000
PLA Administration	240,000
Right-of-Way	500,000
Construction Contract	
James W. Fowler Company	59,489,720
Remaining Budget	3,471,280
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	<b>Total</b> <b>\$ 75,000,000</b>

# Project Schedule



# Board Options

- Option #1

Review and consider Addendum No. 3 to the certified 2005 Environmental Impact Report and:

- a. Award a \$59,489,720 contract to James W. Fowler Company for construction of the Interstate 215 freeway tunnel crossing for the Perris Valley Pipeline.
- b. Authorize an agreement with Parsons Environment & Infrastructure Group, Inc., for \$1 million to provide technical support during construction.
- c. Authorize an agreement with Mott McDonald Group, for \$3.5 million to provide construction management support.
- d. Authorize an agreement with Rincon Consultants, Inc., for \$250,000 to provide specialized environmental support.



# Board Options

- Option #2

Do not proceed with this project at this time.

# Staff Recommendation

- Option #1

