



Engineering & Operations Committee

Foothill Pump Station Intertie

Item 7-4

August 15, 2022

Foothill Pump Station Intertie

Current Action

- Authorize a professional services agreement with HDR Engineering, Inc. in an amount not to exceed \$1,300,000 for design of the Inland Feeder/San Bernardino Valley Municipal Water District Foothill Pump Station Intertie
- Part of a series of projects to improve supply reliability for SWP dependent member agencies

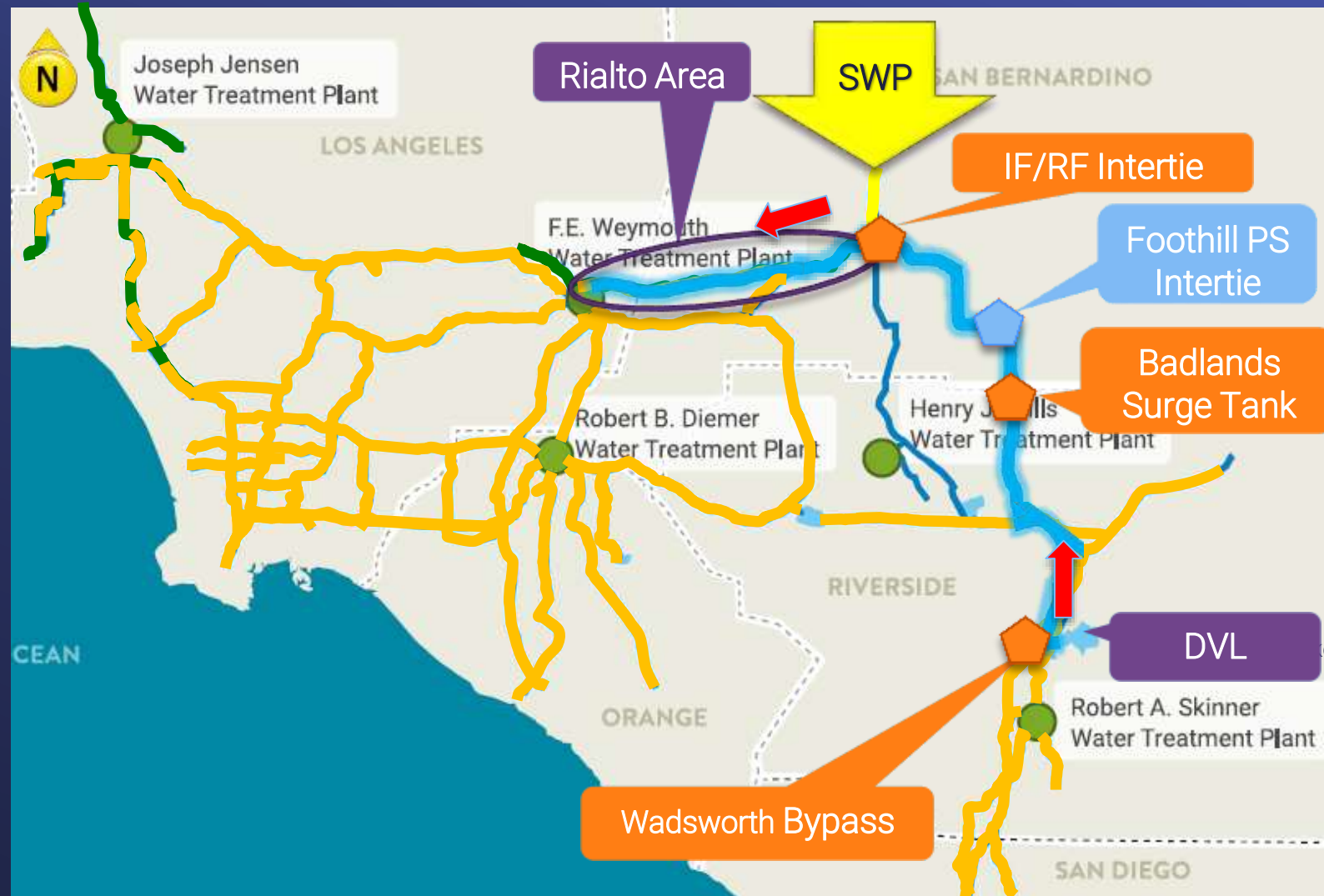
Background – On-going Water Supply Reliability Improvements

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



Background-Rialto Area Water Supply Reliability Improvements

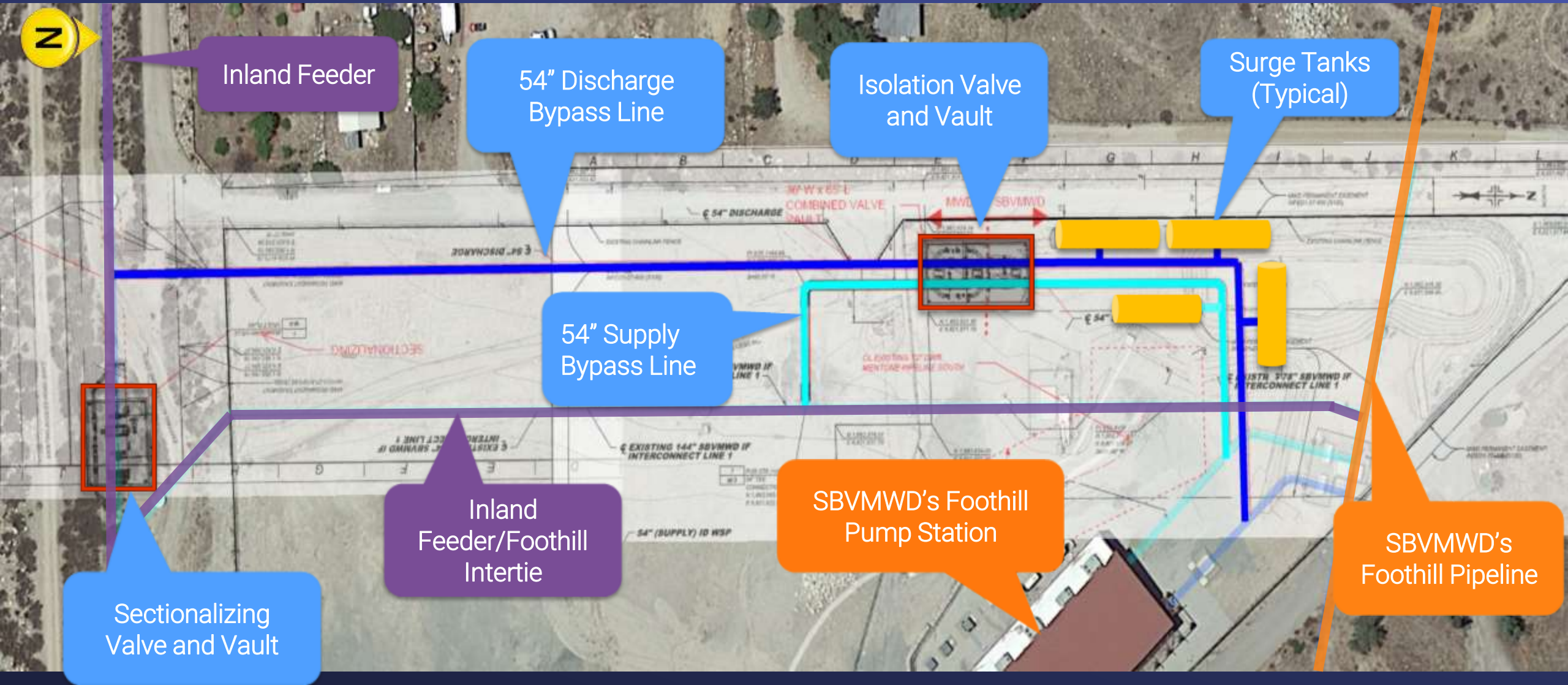
- Foothill Pump Station Intertie
 - 1 of 4 projects to deliver water from DVL to Rialto Pipeline via the Inland Feeder
 - Provides lift needed to deliver up to 107 cfs



Existing Site Infrastructure



Planned Work



Foothill Pump Station Intertie

Final Design

Alternatives Considered

- Utilize in-house Metropolitan staff to perform all work components
 - Assess current staff workload & availability
 - Use project-specific professional services agreements as required
- Selected Option
 - Utilize hybrid approach with consultant and Metropolitan staff jointly perform design

Foothill Pump Station Intertie

Final Design

HDR Agreement

- Prequalified via Request for Qualifications No. 1215
 - Completed project's preliminary design
- SBE participation level: 13%
- NTE amount: \$1,300,000
- Scope of work
 - Prepare detailed calculations & design
 - Produce plans & specifications
 - Participate in value engineering workshops
 - Develop engineer's estimate
 - Perform bid phase assistance

Foothill Pump Station Intertie

Final Design

Metropolitan Scope

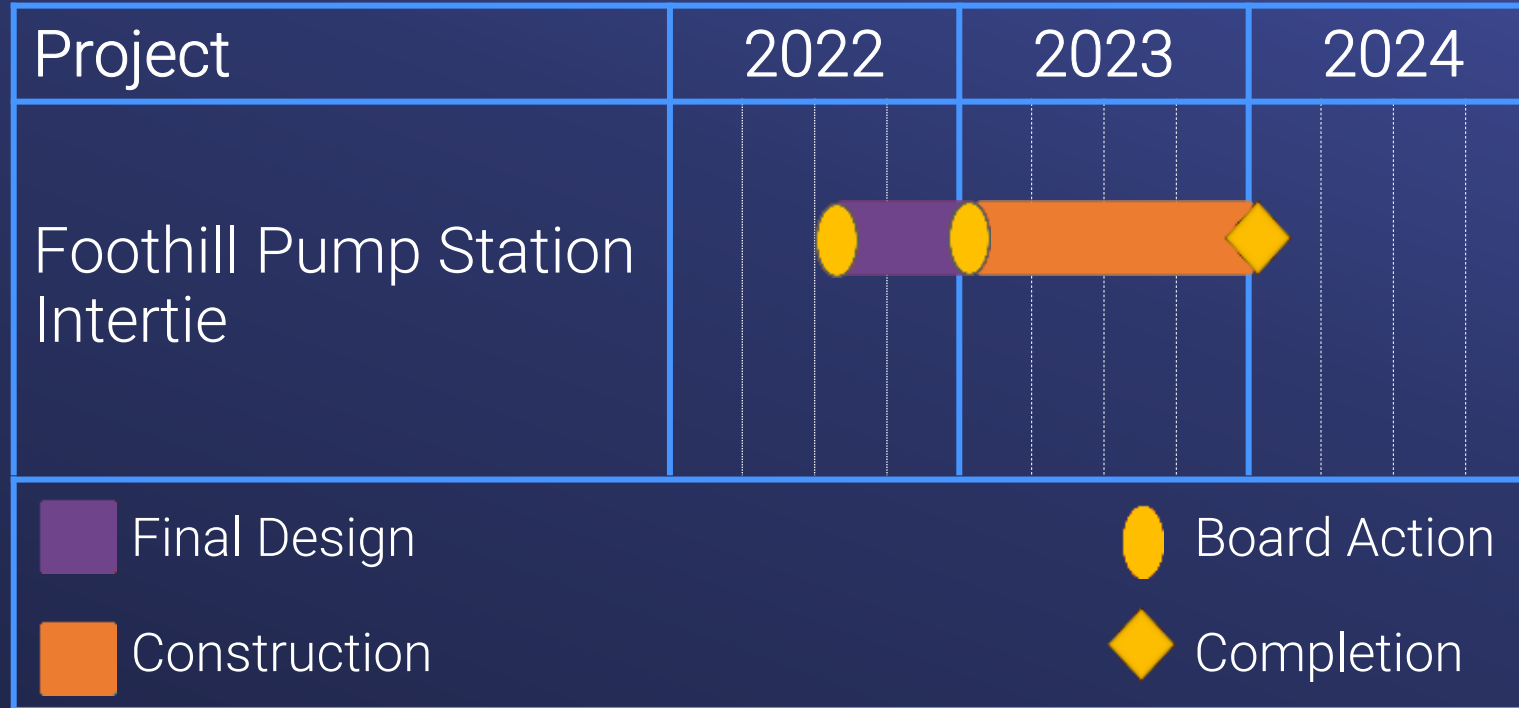
- Prepare detailed design of instrumentation & control systems
- Review consultant design
- Perform hydraulic analysis
- Support geotechnical investigation & analysis
- Provide consultant oversight, environmental support & project management

Allocation of Funds

Foothill Pump Station Intertie

Metropolitan Labor	
Final Design	\$ 384,000
Program mgmt., contract admin. & envir. support	181,000
Professional Services	
HDR Engineering, Inc.	1,300,000
Remaining Budget	185,000
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	Total
	\$2,050,000

Project Schedule



Board Options

- Option #1

Authorize an agreement with HDR Engineering, Inc. for a not-to-exceed amount of \$1,300,000 for final design of the Inland Feeder/Foothill Pump Station Intertie.

- Option #2

Do not proceed with the project at this time.

Staff Recommendation

- Option #1

