



Engineering, Operations, & Technology Committee

Sepulveda Feeder PCCP Urgent Relining

Item 7-1

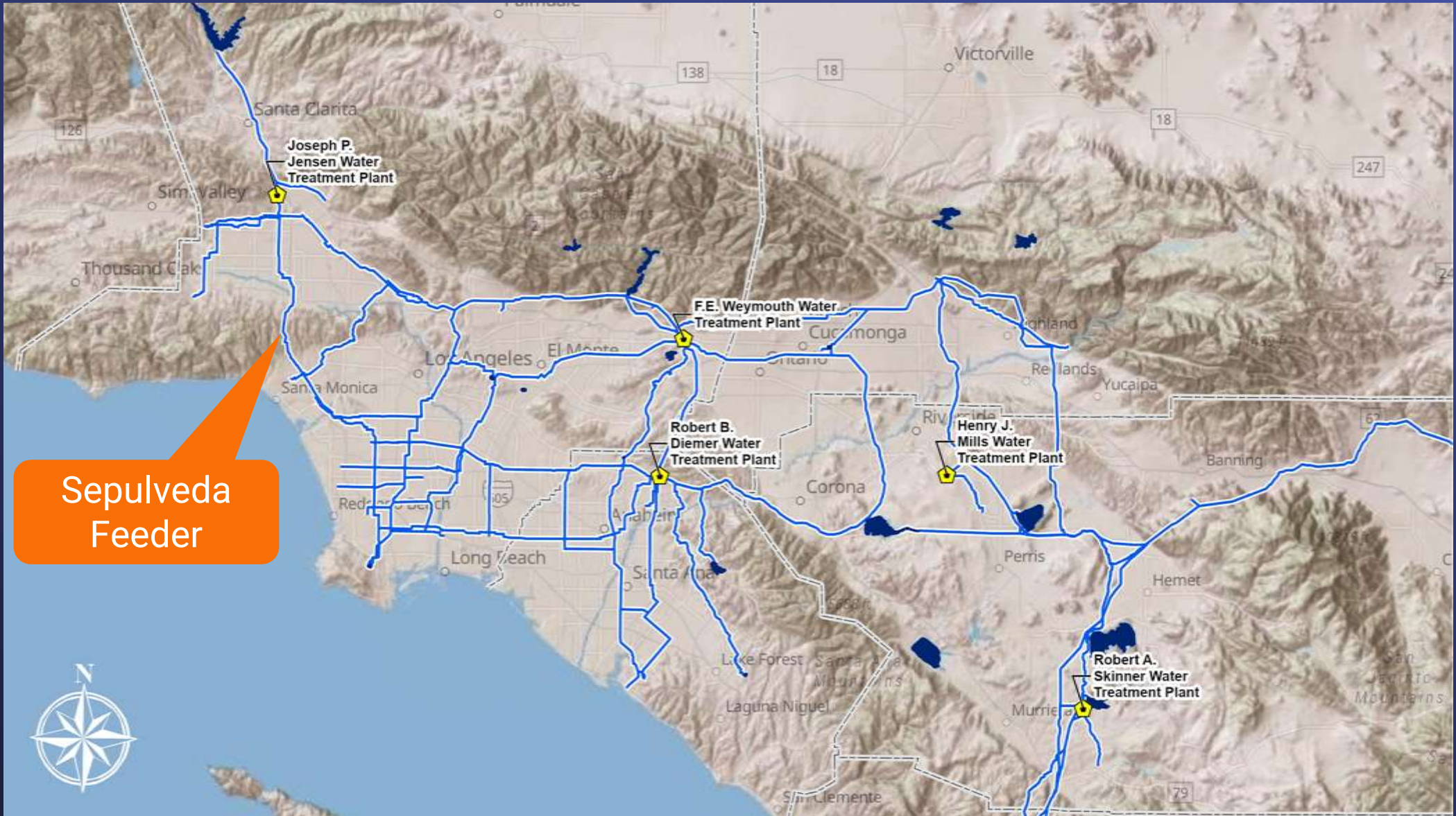
August 14, 2023

Sepulveda
Feeder PCCP
Urgent
Relining

Current Action

- Award a \$1,962,691 contract to Structural Preservation Systems for urgent relining of three pipe segments on the Sepulveda Feeder
- Authorize an increase of \$280,000 to an existing agreement with HDR Engineering Inc. for technical services
- Authorize an increase of \$240,000 to an existing land lease agreement with Los Angeles Community College District

Distribution System



Elements of PCCP Rehab Program

- The comprehensive strategy of the program has four components:
 - Continue inspection & monitoring
 - Limit corrosion by installing cathodic protection where appropriate
 - Perform individual urgent segment repairs (such as this action)
 - Plan & execute long-term rehabilitation in a cost-effective manner

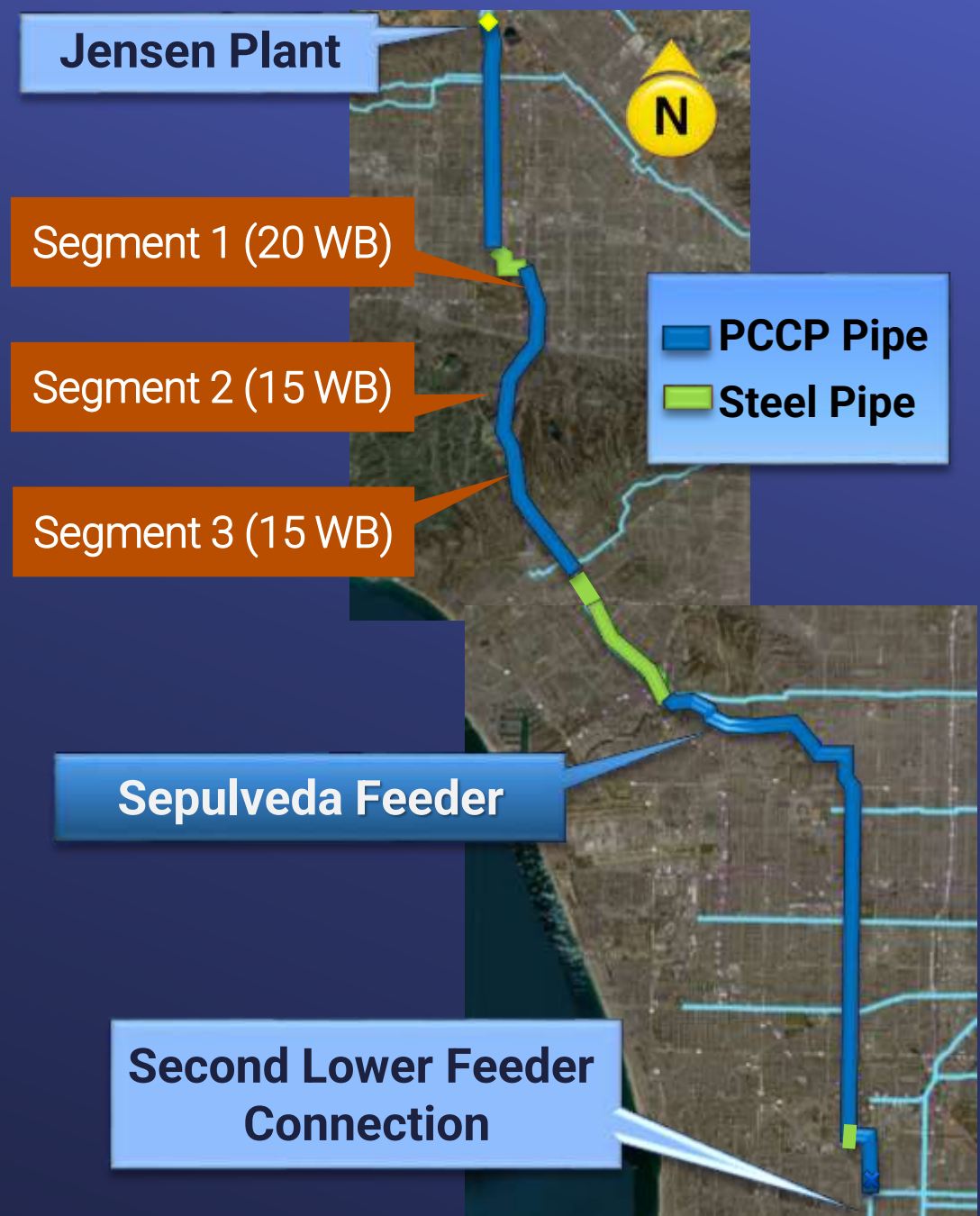


Previous Carbon Fiber Repair
Second Lower Feeder

Background

- February 2023 – electromagnetic inspection performed
- Report delivered in March 2023
- Three distressed segments identified with significant wire breaks which require prompt rehabilitation
- Design is complete & construction contract is recommended at this time

WB= wire breaks



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Alternatives Considered

- Staff investigated replacing distressed PCCP with steel segments
 - Requires excavation of large shafts
 - Possible relocation of existing utilities
 - Requires extensive permitting & longer shutdown
- Selected Option – Use carbon fiber lining
 - Work can be performed through existing maintenance access holes
 - Requires less permitting & shorter shutdown
 - Allows Metropolitan to move more SWP supplies within distribution system

Bid Results

Specifications No. 2088

| | |
|---------------------------|---------------------------------|
| Bids Received | July 25, 2023 |
| No. of Bidders | 2 |
| Lowest Responsible Bidder | Structural Preservation Systems |
| Low Bid | \$1,962,691 |
| Other Bid | \$890,000** |
| Engineer's Estimate | \$1,570,000 |

*Due to the urgent nature of the work, no Small Business Enterprise participation level was established for this work.

**Other bidder requested to be released from its bid in accordance with the Public Contract Code due to an inadvertent clerical error made during the bidding process, which materially changed its bid

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Metropolitan Scope

- Construction management & inspection
- Contract admin., outreach & PM
- Force Construction
 - Pipeline shutdown including isolation, dewatering & refilling pipeline

Sepulveda
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HDR Engineering Inc. – Agreement Amendment

- Engineer of record
- Provide technical support during construction
 - Review submittals & respond to requests for information
- Increase of \$280,000 for a new NTE amount of \$15.78 M
- SBE participation level: 25%

Land Lease to Support PCCP Program– Agreement Amendment

- Property leased from Los Angeles Community College District
 - 12-acre site
 - Area for pipe storage & contractor staging
 - Supports multiple PCCP contracts
 - 19-month lease extension recommended
 - February 2025 – August 2026
 - Estimated cost of lease extension – \$240,000
 - New total lease amount not to exceed \$1,090,000
- Site currently being used for construction of Second Lower Feeder Reach 3B
- No additional funding required



Storage Site with
Steel Pipe Liners

Allocation of Funds

Sepulveda Feeder PCCP Urgent Relining

Metropolitan Labor

Owner Costs (Proj. Mgmt., Contract Admin.) \$ 121,000

Submittals Review, Tech. Support, Record Dwgs. 199,000

Construction Inspection & Support 370,000

Metropolitan Force Construction 510,000

Professional/Technical Services

HDR Engineering Inc. 280,000

Alliance Outreach LLC (Public Outreach) 25,000

Contract – Structural Preservation Systems 1,962,691

Remaining Budget 232,309

Total \$ 3,700,000

Project Schedule



Board Options

- Option #1
 - a. Award a \$1,962,691 contract to Structural Preservation Systems for urgent relining of Sepulveda Feeder;
 - b. Authorize a \$280,000 increase to a professional services agreement with HDR Engineering Inc. for a new not-to-exceed amount of \$15,780,000; and
 - c. Authorize a \$240,000 increase to an existing land lease agreement with Los Angeles Community College District for a new not-to-exceed amount of \$1,090,000.
- Option #2
 - Do not proceed with this project at this time.

Staff Recommendation

- Option #1

