



Engineering & Operations Committee

Sepulveda Feeder Upgrades at Three Structures

Item #7-4

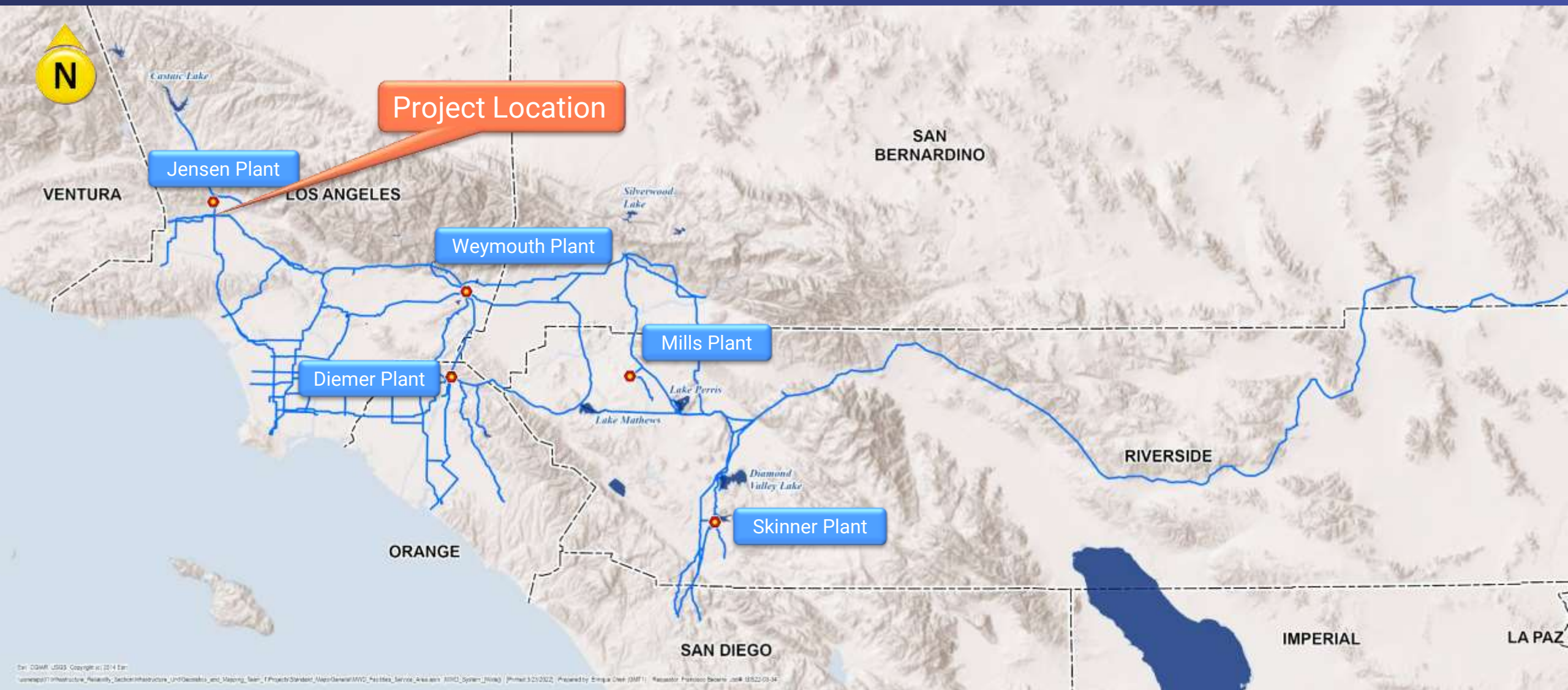
May 10, 2022

Sepulveda Feeder Upgrades at Three Structures

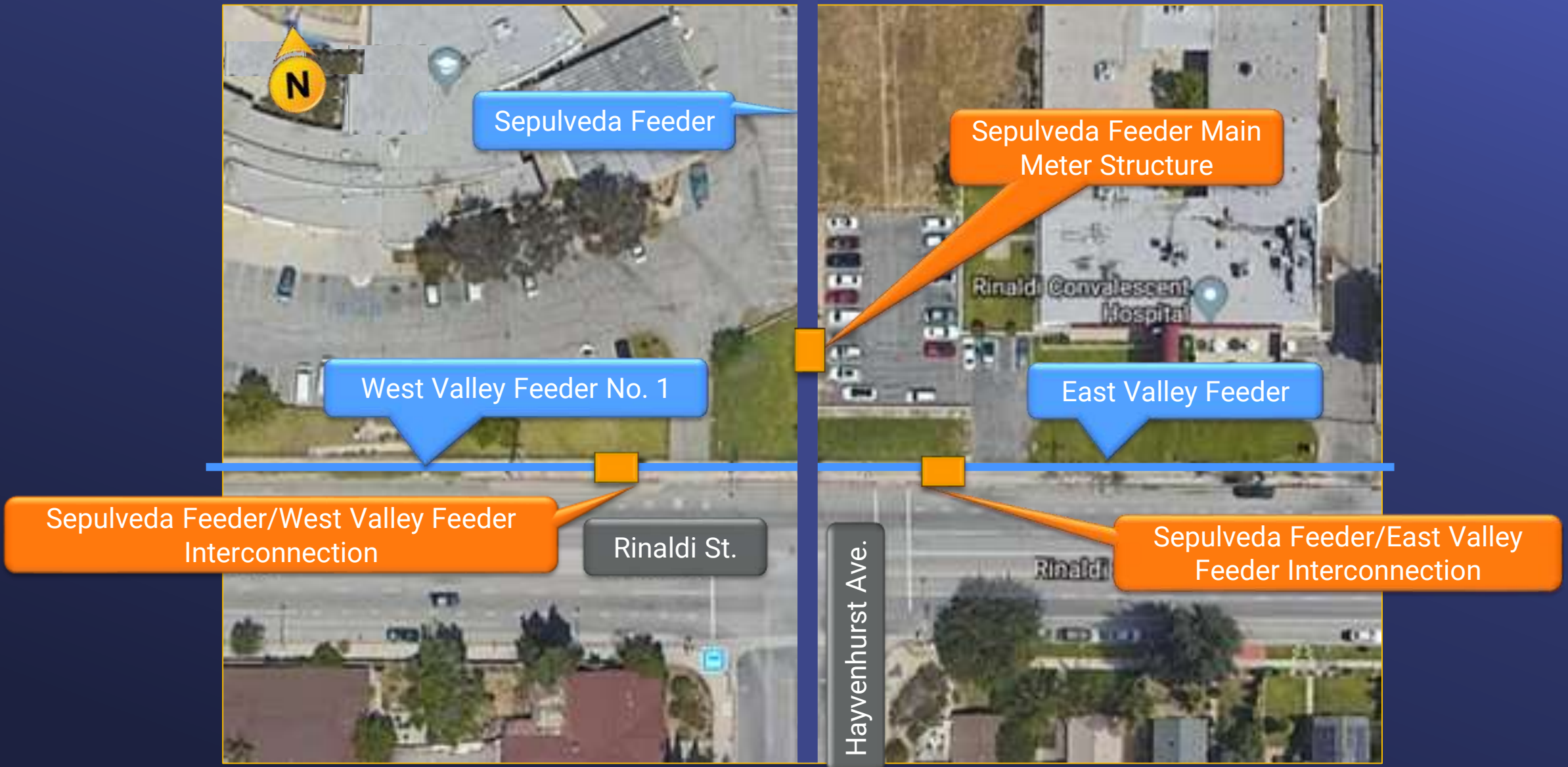
Current Action

- Award a \$3,143,592 contract to Blois Construction, Inc. for upgrades at three Sepulveda Feeder structures

Distribution System



Sepulveda Feeder Upgrades at Three Structures



Background

- Structures constructed in 1968
- Equipment is corroded with diminished reliability
 - Potential impacts to meter & valve operation
 - Potential safety hazards if not addressed
- Inadvertent opening of valve may expose LADWP delivery system to high-pressure conditions of Sepulveda Feeder



Corroded
Equipment

Sepulveda Feeder Upgrades at Three Structures

Alternatives Considered

- Separate construction contracts for:
 - Electrical upgrades of the structures
 - Piping modification of the Sepulveda Feeder/West Valley Feeder No. 1 interconnection structure
- Selected Alternative – One construction contract for electrical upgrades & piping modifications
 - The most efficient way to get this work done
 - Minimize disruption to the community
 - Reduce coordination effort for traffic control plans & permitting

Contractor Scope

- Replace deteriorated equipment & electrical system
- Add new electrical & telephone service connections
- Replace the Sepulveda Feeder/West Valley interconnection structure's roof & spool pieces with blind flanges
- Perform traffic control & surface restoration



Blind Flange



Pipe Spool Removal

Metropolitan Scope

- Force Construction
 - Furnish pipe blind flanges for installation by the contractor
 - Coordinate shutdown & utility power outages
 - De-energize equipment for shutdowns, testing & switchover
 - Install temporary electrical systems
 - Perform SCADA system integration
- Field inspection & construction management
- Submittal review & technical support
- Respond to request for information
- Environmental monitoring, project management & contract administration



Temporary Power

Bid Results

Specifications No. 1966

Bids Received	March 10, 2022
No. of Bidders	4
Low Bidder	Blois Construction, Inc.
Low Bid	\$3,143,592
Range of Higher Bids	\$3.15 M to \$4.94 M
Engineer's estimate	\$2.12 M
SBE Participation*	100%

*SBE (Small Business Enterprise) participation level set at 25%

New Agreement – Kennedy/Jenks Consultants

- Engineer of Record
- Scope of work
 - Respond to RFI's for information from contractors & submittal review
 - Technical support & record drawings
- SBE participation level: 25%
- NTE amount: \$200,000

Allocation of Funds

Contract

Blois Construction, Inc.	\$3,143,592
--------------------------	-------------

Metropolitan Labor

Program mgmt. & envir. monitoring	195,000
-----------------------------------	---------

Support during construction & testing	60,000
---------------------------------------	--------

Submittal review, technical support & record drwgs	177,000
--	---------

Construction Management/Inspection	400,000
------------------------------------	---------

Force construction	185,000
--------------------	---------

Materials & Incidentals	40,000
-------------------------	--------

Professional Services

Kennedy/Jenks Consultants	200,000
---------------------------	---------

Remaining Budget	299,408
------------------	---------

Total	\$4,700,000
-------	-------------

Project Schedule

Project	2022				2023			
Sepulveda Feeder Upgrades At Three Structures								



Board Action



Construction



Completion of
Construction

Board Options

- Option #1

Award \$3,143,592 contract to Blois Construction, Inc. for electrical upgrades at three Sepulveda Feeder underground structures.

- Option #2

Do not proceed with the project at this time.

Staff Recommendation

- Option #1

