



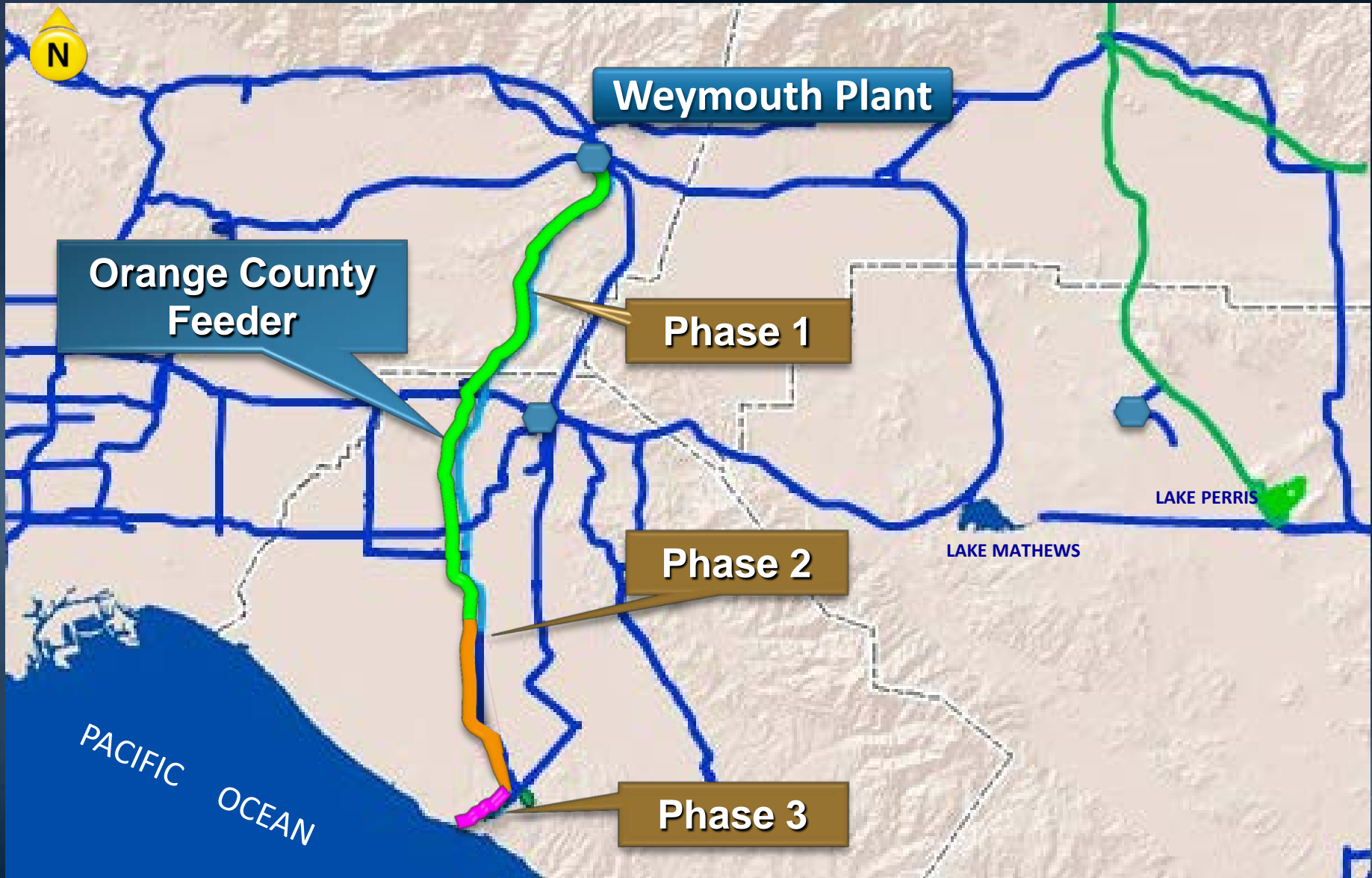
Stage 2 Lining Repairs for the Orange County Feeder

Engineering & Operations Committee
Item 8-3
November 7, 2016

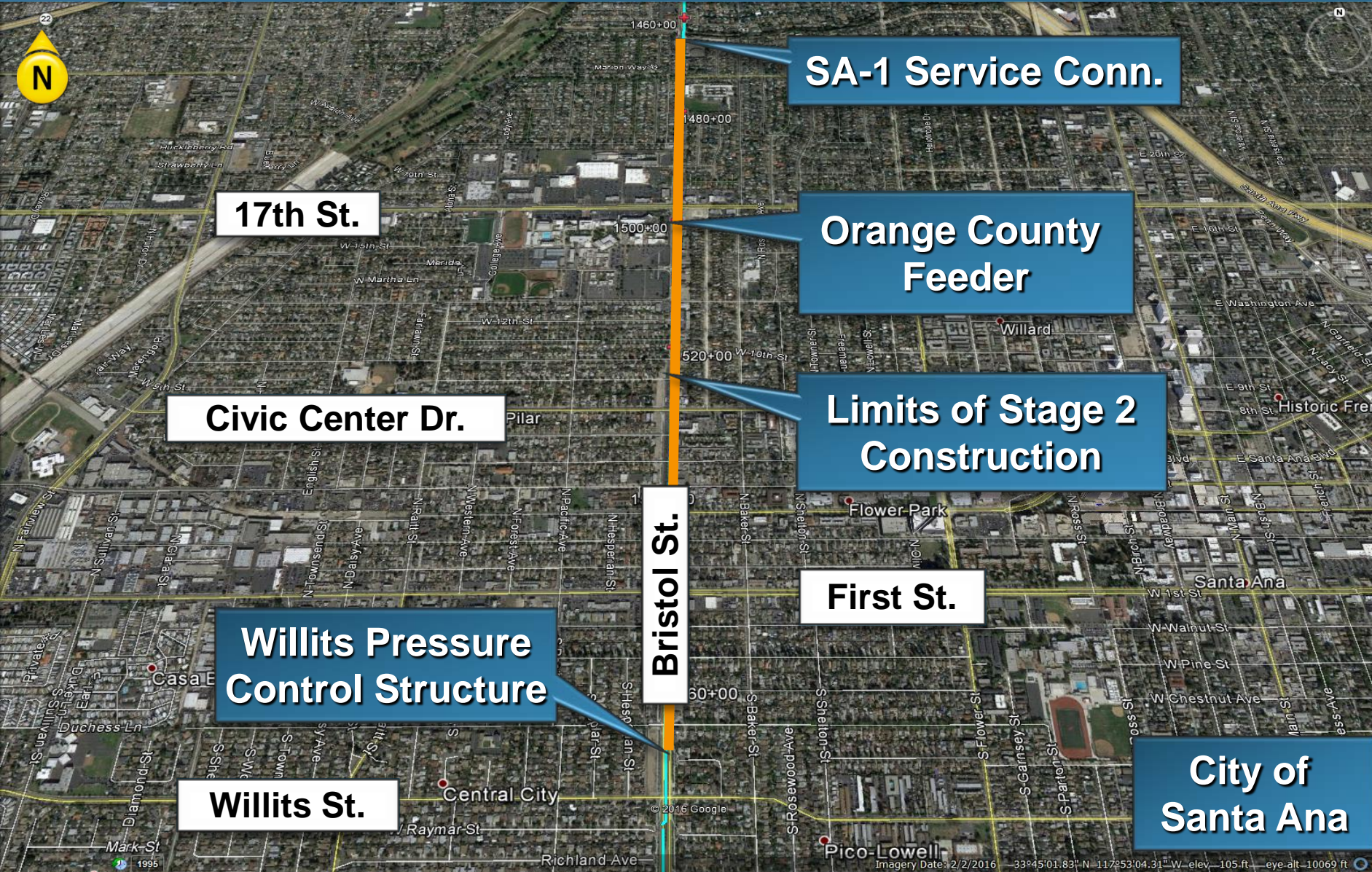
Current Action

- Adopt CEQA determination
- Appropriate \$7.8 million
- Award \$4.58 million contract to Spiniello Companies for Stage 2 lining repairs on the Orange County Feeder

Distribution System

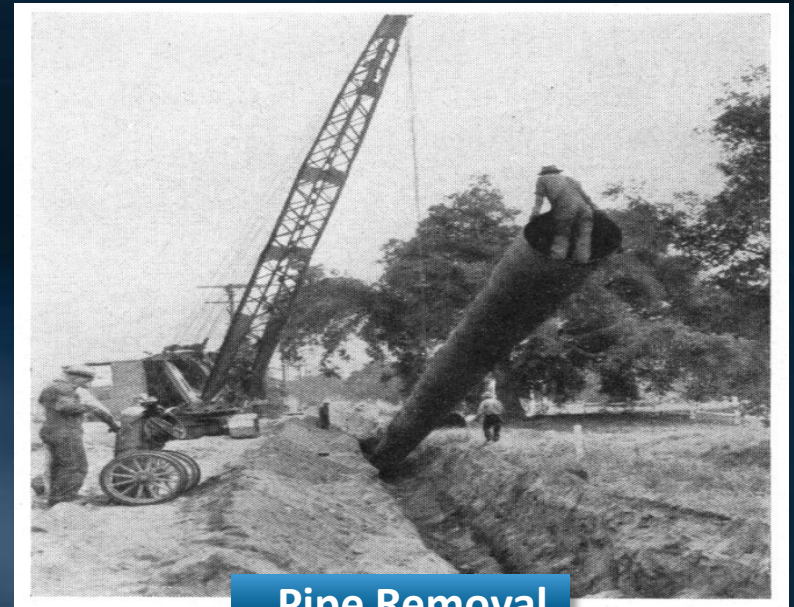


Project Location



Background

- Welded steel pipe: 36" to 39" diameter
- Used pipe purchased from Pasadena during WWII



Pipe Removal



Pipe Rehabilitation



Pipe Re-installation

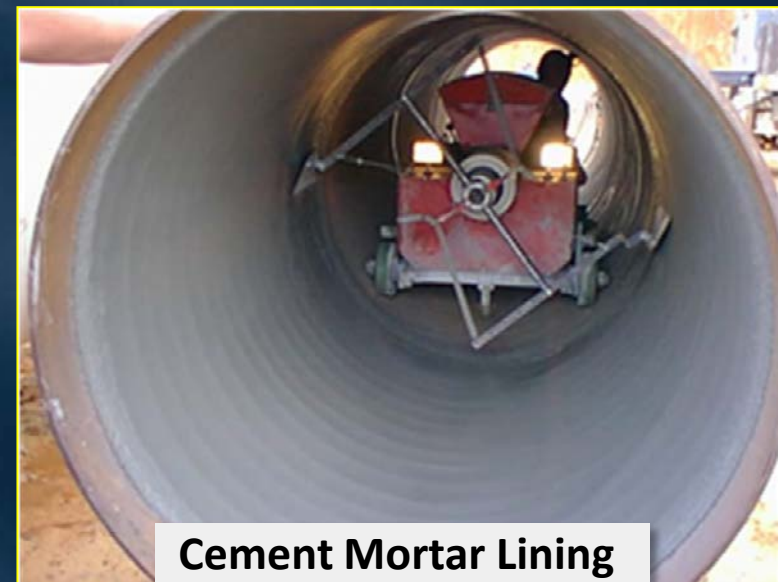
Background

- Coal tar lining is deteriorating
- Two recent unplanned repairs



Repair Strategy

- Stage 1 - Inspection of pipe segment at La Verne
 - Complete
- Stage 2 - Small-scale demonstration project
 - Repair 2 miles
 - Confirm production rates, efficiencies, & shutdown flexibility
- Stage 3 - Full-scale rehabilitation
 - Repair remaining 9 miles
 - Replace 75 deteriorated valves



Scope of Work

- Contractor
 - Excavation & shoring at 8 access sites along Bristol St.
 - Removal & disposal of coal tar enamel
 - 375 butt strap welds, mortar lining, & manhole installation
 - Traffic control
 - Street restoration



Scope of Work

- Metropolitan
 - Dewatering, clearances & return to service
 - Construction of pump well
 - Review of submittals
 - Field & fabrication inspection
 - Public outreach
- Helix Environmental Planning, Inc.
 - Environmental & noise monitoring
 - Impacts on air quality, traffic & biology associated with construction
 - Est. cost - \$60,000
 - No action required

Bid Results

Specifications No. 1842

Bids Received	October 5, 2016
No. of Bidders	1
Low Bidder	Spiniello Companies
Low Bid	\$4,580,000
Engineer's Estimate	\$3,900,000
SBE participation *	25%

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

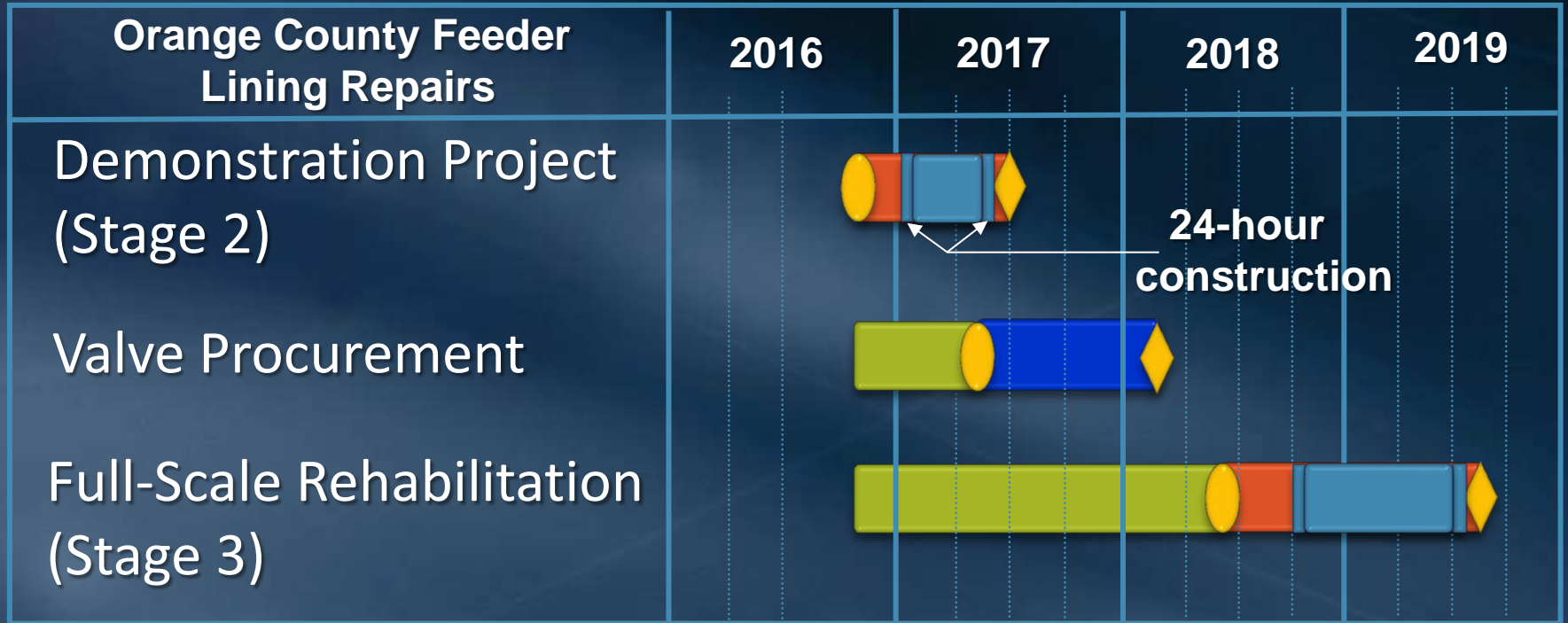
Requested Funds

Construction contract	\$ 4,580,000
Labor	
Metropolitan force const.	1,618,000
Const. inspection	500,000
Submittals review & records drwgs	200,000
Permitting, outreach & PM	205,000
Professional services	
HELIX Environmental Planning, Inc.	60,000
Materials & supplies	82,000
Remaining budget	555,000

Total : \$7,800,000

Total const. cost: \$6,280,000

Schedule



Final Design



Board Action



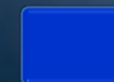
Shutdown



Construction



Completion



Procurement

Board Options

- Option #1

- Adopt CEQA determination that the proposed action has been previously addressed in the adopted MND and MMRP; review and approve Addendum No. 1
- Appropriate \$7.8 million
- Award \$4.58 million contract to Spiniello Companies for Stage 2 lining repairs on the Orange County Feeder

- Option #2

- Do not proceed with Stage 2 lining repairs at this time

Staff Recommendation

- Option #1

