



# Engineering Services Manager's Report

Engineering and Operations Committee

Item 7b

February 8, 2016

# Sepulveda Feeder Urgent Repairs

## Board Action Item 8-5

- Ratify & amend the Executive Committee's action of Feb. 23, 2016
  - Reduce appropriated amount from \$18M to \$13.9M
- Ratify GM's award of const. contract
  - \$9.15M contract awarded Feb. 25, 2016 to J. F. Shea Construction, Inc. for urgent PCCP repairs on the Sepulveda Feeder

# Sepulveda Feeder Urgent Repairs



- 42 miles long
- Welded steel – 5 miles
- PCCP – 37 miles

**Jensen Plant**

**Van Nuys Airport**

**Reach 1**

**Skirball Cultural Center**

**Reach 2**

**Sepulveda Control Facility**

**Venice Pressure Control Station**

# Sepulveda Feeder Urgent Repairs

Reach 1 - Line 8,200 feet



N

Hayvenhurst Ave

Valjean Ave

Van Nuys Golf Course

Van Nuys Airport

Vanowen St

Haynes St

I-405 Freeway

# Sepulveda Feeder Urgent Repairs

Reach 2 - Line 100 feet



Sepulveda Feeder Tunnel  
South Portal

I-405 Freeway

Mountaingate  
Golf Course



# Sepulveda Feeder Urgent Repairs Bid Results

## Specifications No. 1871

|                      |                               |
|----------------------|-------------------------------|
| Bids received:       | February 18, 2016             |
| No. of bidders:      | 4                             |
| Low bidder:          | J. F. Shea Construction, Inc. |
| Low bid:             | \$9,150,000                   |
| Range of other bids: | \$9.38M to \$25.08M           |
| Engineer's estimate: | \$13.7M                       |

# Sepulveda Feeder Urgent Repairs

## Reduced Funding Amount

|                                  |                     |
|----------------------------------|---------------------|
| Contract                         | \$9,150,000         |
| Labor                            |                     |
| Metropolitan force activities    | 1,260,000           |
| Const. inspection                | 1,269,000           |
| Submittals review & record drwgs | 160,000             |
| Outreach, permitting & PM        | 300,000             |
| Right-of-Way                     | 265,000             |
| Materials & Supplies             | 90,000              |
| Remaining Budget                 | 1,236,000           |
| <b>Total</b>                     | <b>\$13,900,000</b> |

Total Construction Cost: \$10.64 M

# Sepulveda Feeder Urgent Repairs



Final Design



Board Action



Construction

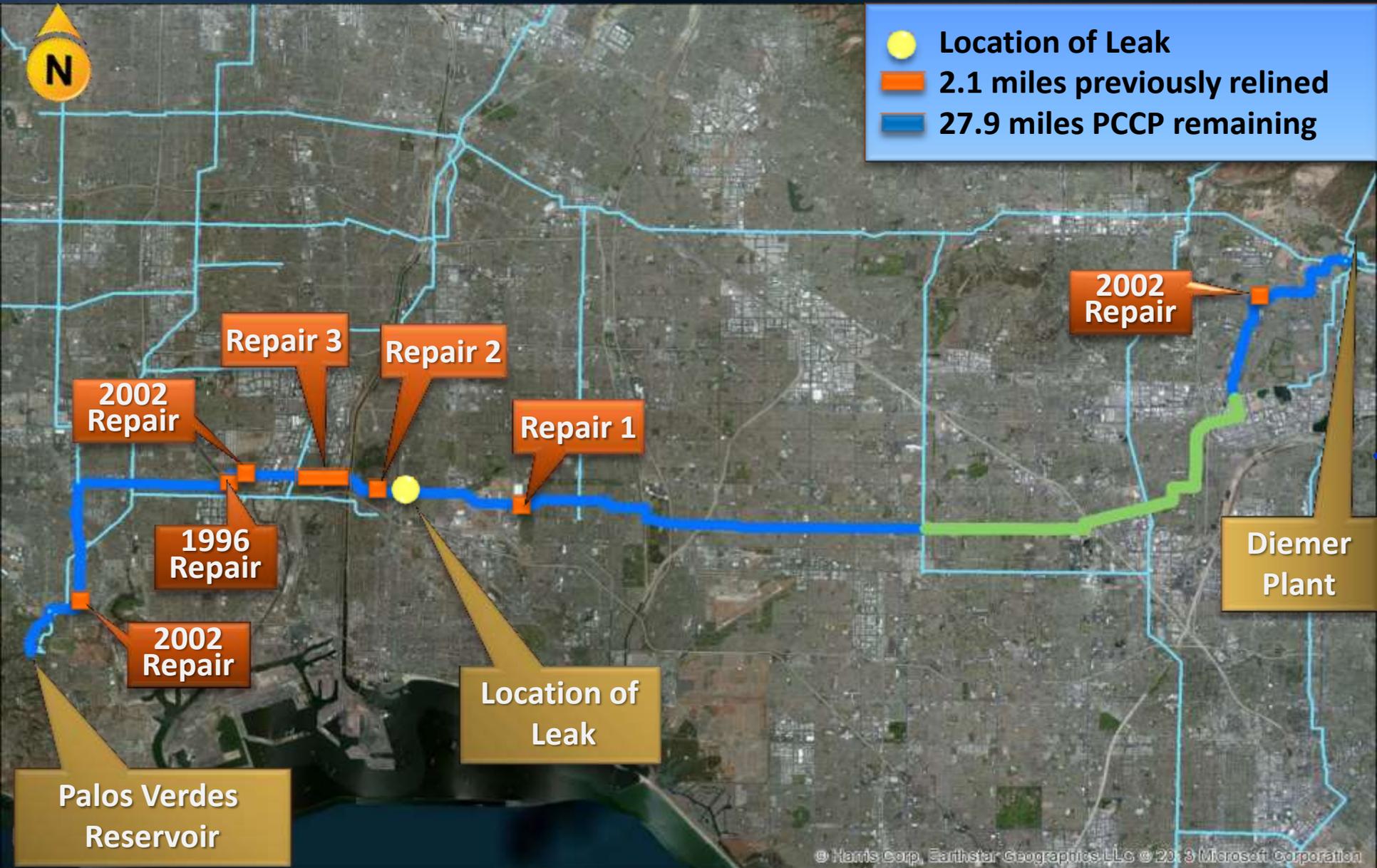


Completion



Shutdown

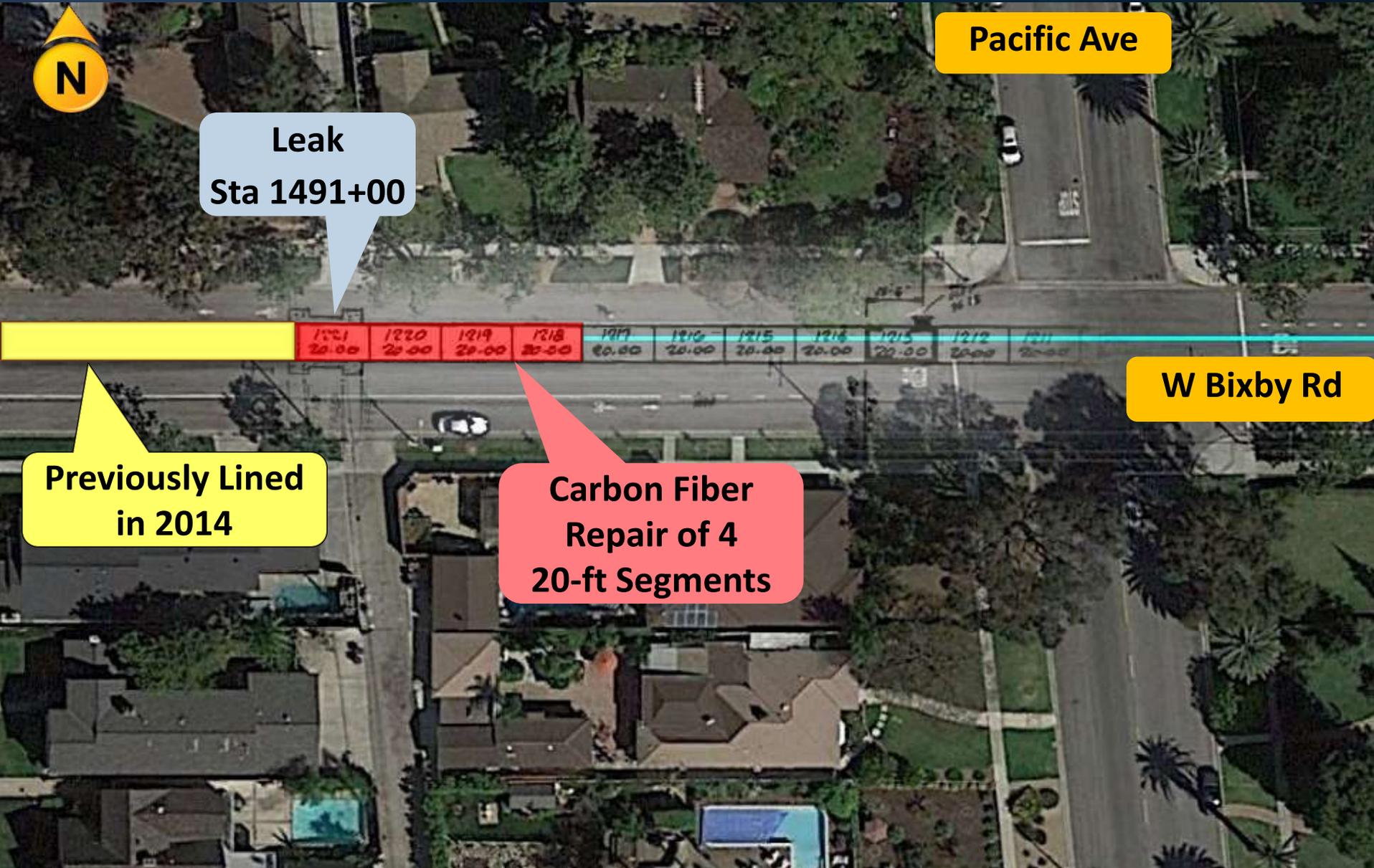
# 2nd Lower Feeder Urgent Repairs



# 2nd Lower Feeder Urgent Repairs



# 2nd Lower Feeder Urgent Repairs



# 2<sup>nd</sup> Lower Feeder Urgent Repairs

## Timeline of Events

- Leak discovered Feb 24
- Pipeline shut down & inspected Feb 26
- Repair option selected Feb 29
- Design completed Mar 7
- Report to Board Mar 7

## Planned Actions

- Receipt of bids Mar 10
- Award of emergency contract by GM Mar 11
- Pipeline repair Mar 16 - 26
- Pipeline disinfection & return to service Apr 1
- Board ratification of GM action Apr 12

# 2<sup>nd</sup> Lower Feeder Urgent Repairs

## Estimated Cost

Construction contract (est.) \$ 600,000

### Labor

Final design 10,000

Owner Costs (Permitting, PM) 45,000

Const. inspection 72,000

Metropolitan force const. 400,000

Prof. Services (Design) 33,000

Materials & supplies, incidentals, eqpt. 50,000

Remaining budget 130,000

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**Total**

**\$1,340,000**

