



Upper Feeder Structural Protection at Union Pacific Railroad Crossing

Engineering & Operations Committee

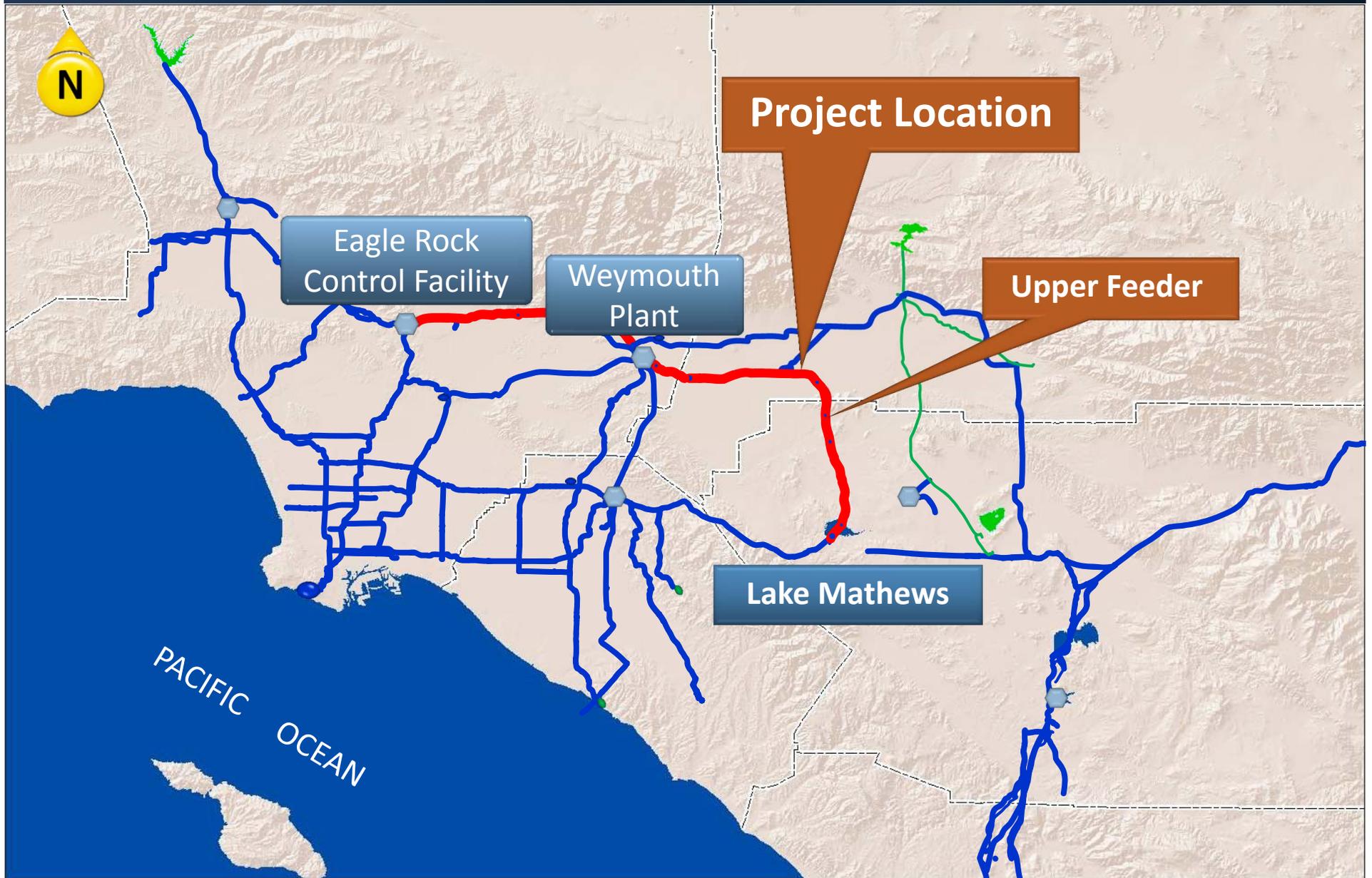
Item 7-1

April 13, 2015

Current Action

- Appropriate \$700,000
- Award \$418,600 contract to T. E. Roberts, Inc. to construct concrete structural protection for the Upper Feeder

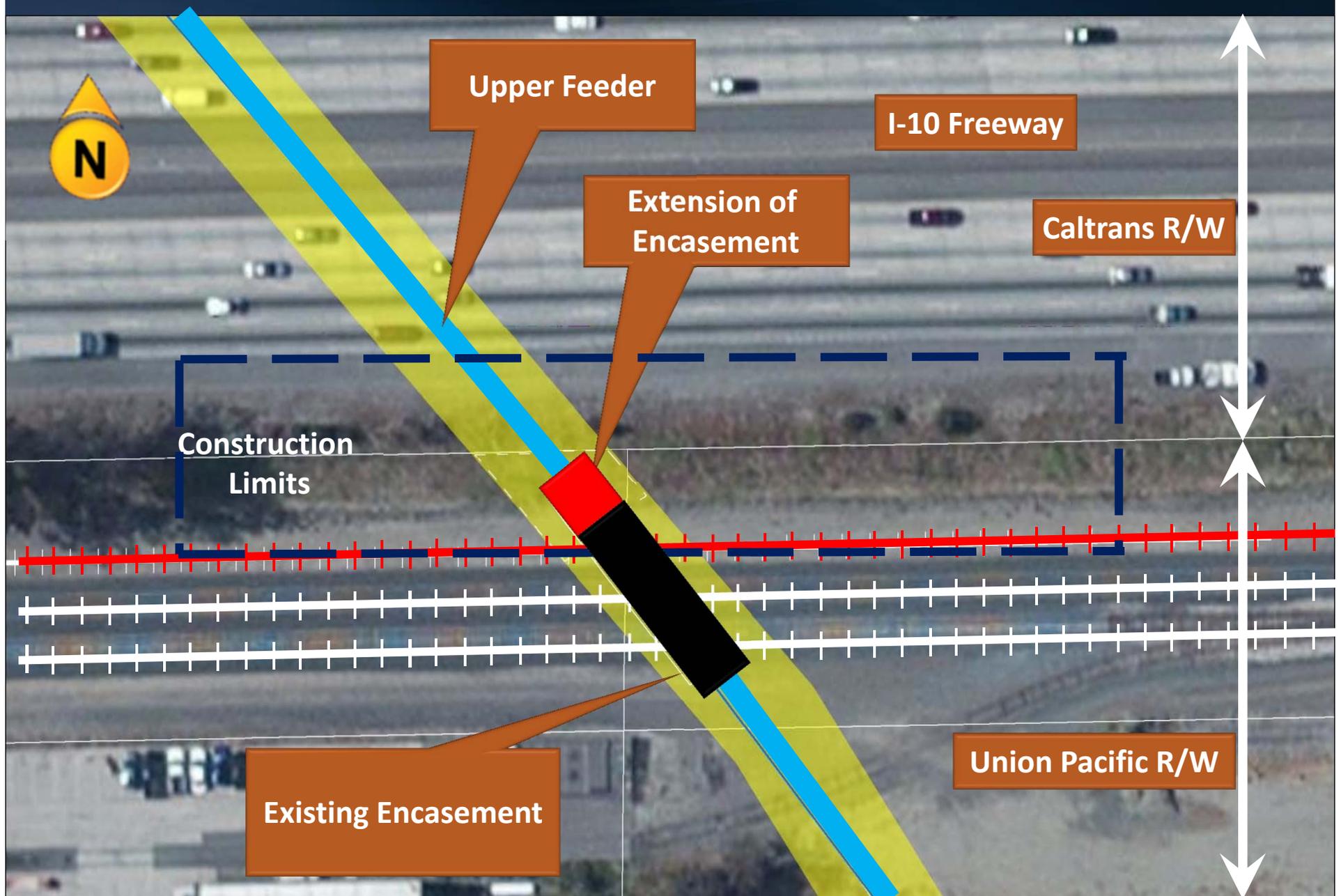
Distribution System



Background

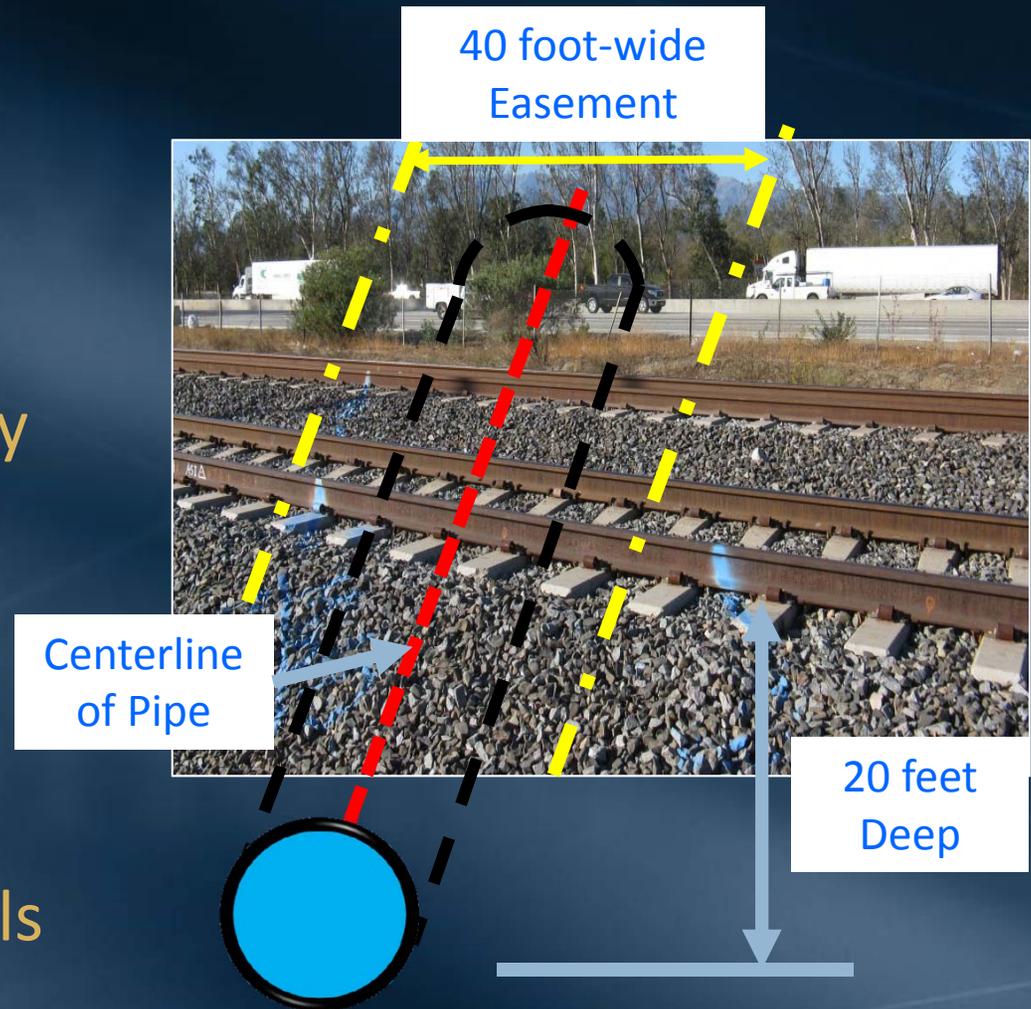
- Upper Feeder
 - 136-inch diameter steel pipe
 - Untreated Colorado River water
 - Crosses beneath Union Pacific RR property in easement
- Union Pacific Railroad
 - Easement agreement requires pipe protection
 - 2 existing tracks protected
 - New 3rd track – Pipe protection required before track construction

Upper Feeder Structural Protection



Encasement Construction

- Contractor Scope
 - Shoring design & installation
 - Excavation & backfill
 - Concrete encasement
 - Traffic control & survey
 - Site restoration
- Metropolitan Forces
 - Staking & potholing
 - Permitting with Union Pacific & Caltrans
 - Inspection & submittals review
 - Record drawings



Bid Results

Specifications No. 1790A

Bids received	March 3, 2015
No. of bidders	4
Low bidder	T. E. Roberts, Inc.
Low bid	\$418,600
Range of other bids	\$424,888 to \$890,000
Engineer's estimate	\$520,000
SBE participation*	100%

* SBE participation level set at 8%

Requested Funds

Contract	\$ 418,600
Labor	
Met. force construction	16,000
Submittals review & record drwgs	46,000
Permitting & proj. mgmt.	61,000
Construction inspection	64,000
Remaining budget	94,400
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Total	\$ 700,000

Total construction cost: \$434,600

Schedule

	2015			
Upper Feeder Structural Protection				

 Construction

 Board Action

 Completion

Board Options

- Option #1

- Adopt CEQA determination that the proposed action is categorically exempt
- Appropriate \$700,000
- Award \$418,600 contract to T. E. Roberts, Inc. for structural protection of the Upper Feeder

- Option #2

Do not proceed with the project at this time

Staff Recommendation

- Option #1

