



Blow-Off Structure Rehabilitation on the Orange County Feeder

Engineering & Operations Committee

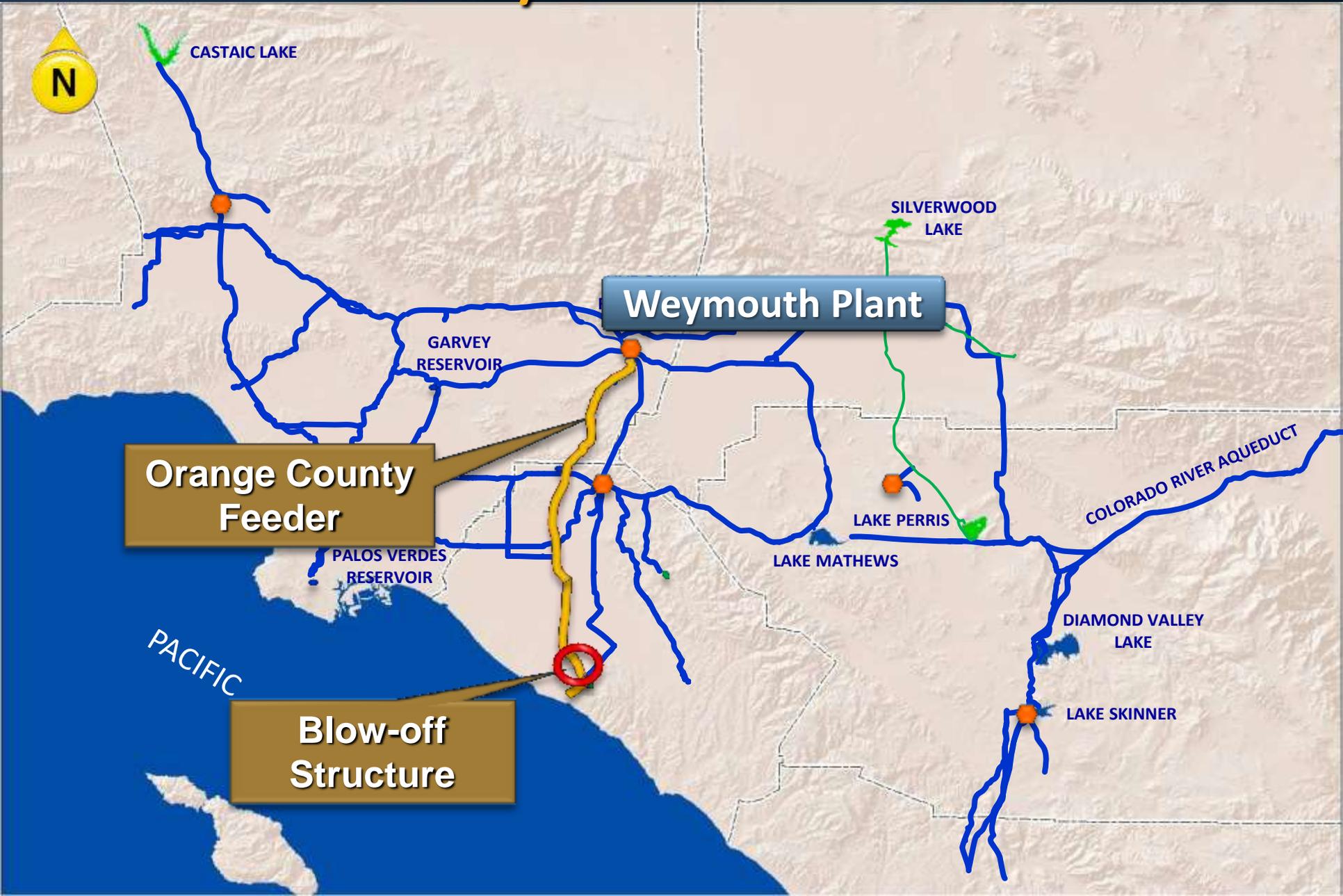
Item 7-1

March 7, 2016

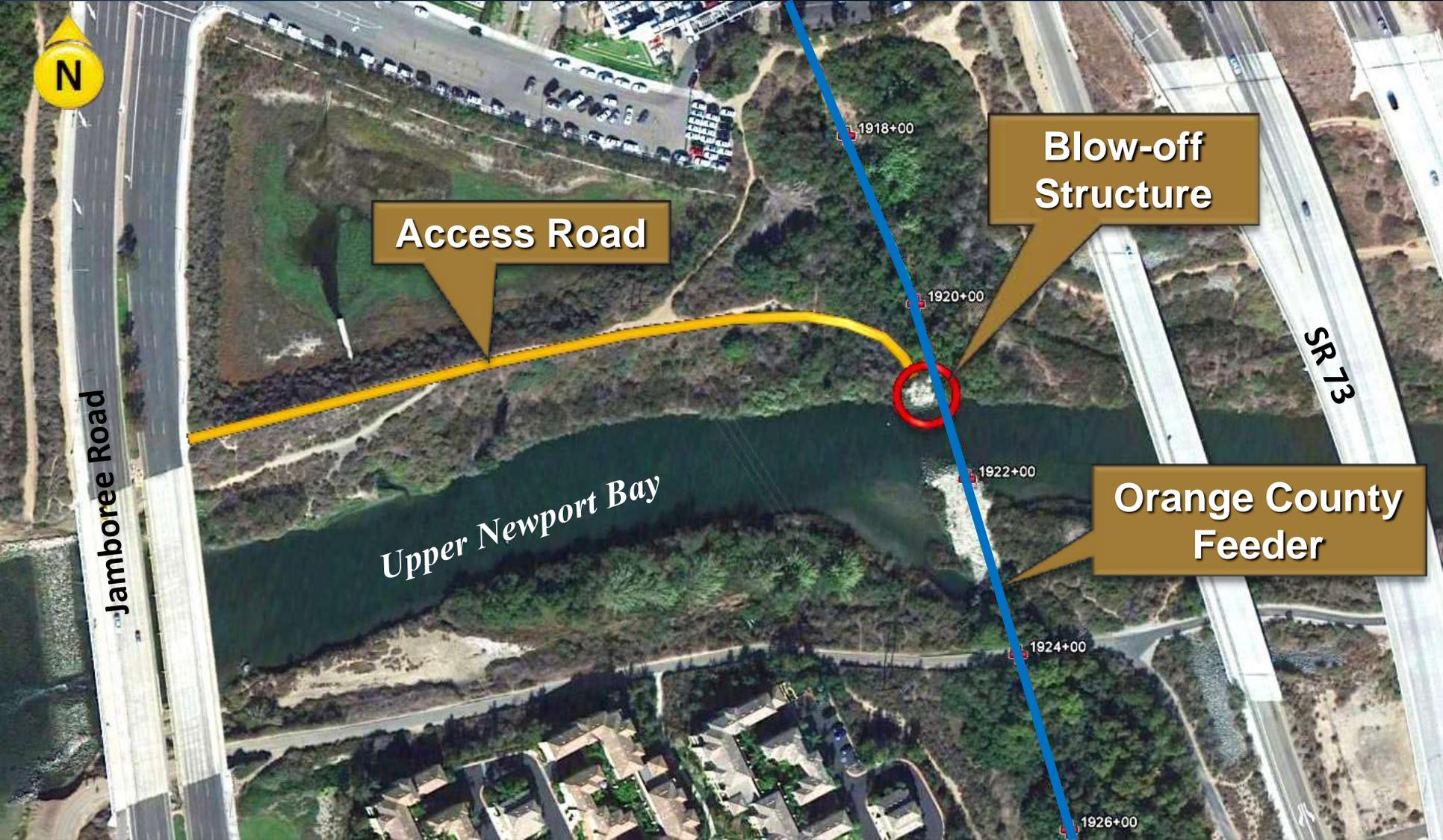
Current Action

- Appropriate \$620,000
- Authorize design to rehabilitate a blow-off structure on the Orange County Feeder
- Authorize increase of \$200,000 to agreement with Dudek

Distribution System



Location Map



Background

- Blow-off dewateres the pipeline for maint. & inspection
- Blow-off valves & piping are corroded
- Access road impassable due to erosion, vegetation, & shallow water
- Blow-off located at Upper Newport Bay requires numerous environmental permits



Constructed in 1942



Planned Repairs

- Restore access road & vehicle turnaround area



- Replace corroded pipes & valves
- Raise top of structure by 5 ft

Scope of Work

Metropolitan

- Prepare drawings & specifications
- Acquire permits
- Procure valves
- Finalize agreement with OC Flood Control Dist.
- Perform shutdown planning with member agencies
- Receive competitive bids

Dudek

- Prepare permit applications & respond to resource agency requests
- Estimated cost - \$200,000
- SBE participation level - 18%

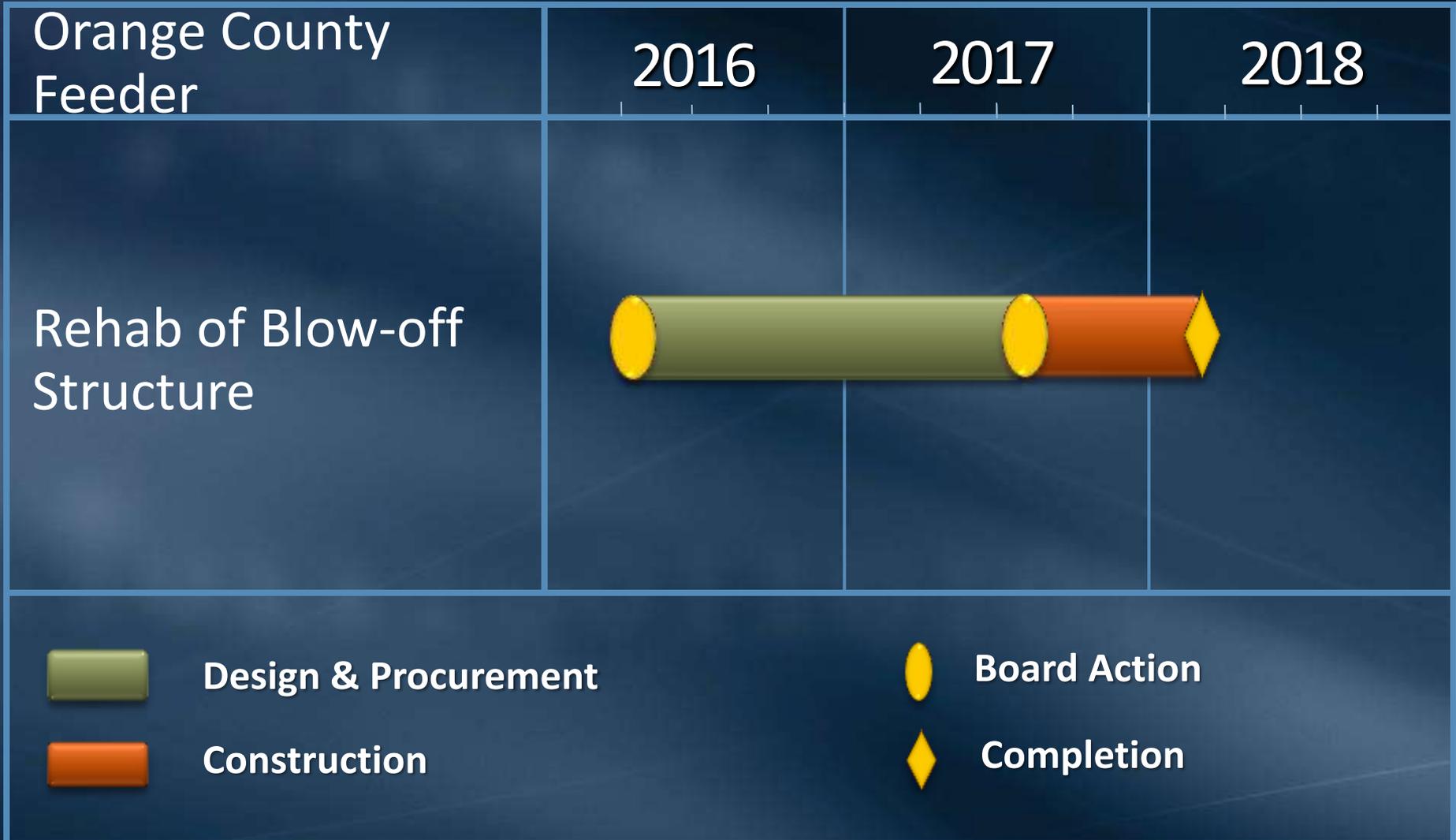
Requested Funds

Labor

Final design	\$ 170,000
Permitting, bidding, PM	150,000
Valve procurement, potholing	59,000
Dudek	200,000
Remaining Budget	41,000
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Total	\$ 620,000

Est. Construction Cost: \$1.1M to \$1.4M

Schedule



Board Options

● Option #1

- Certify Final EIR to rehabilitate a blow-off structure on the Orange County Feeder; adopt the Findings of Fact & Mitigation Monitoring & Reporting Program
- Appropriate \$620,000
- Authorize final design
- Authorize increase of \$200,000 to an agreement with Dudek, for new NTE total of \$485,000

● Option #2

- Do not proceed with the project at this time

Staff Recommendation

- Option #1

