Bay Bridge Pump Station Replacement, Project No. 5-67

Presented by Mike Dorman,
Director of Engineering

Construction Contract Award

Steering Committee
February 26, 2025

OC SAN
ORANGE COUNTY SANITATION DISTRICT

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Project Location: City of Newport Beach

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Project Overview

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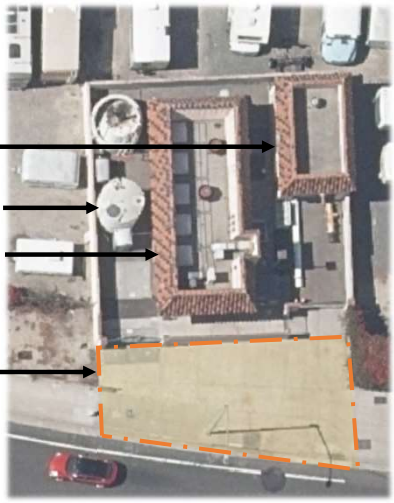
Bay Bridge Pump Station

- Constructed in 1966
- Average flow: 4 million gallons per day
- Peak flow: 18 million gallons per day
- Handles 50% of the City's flow



The Bay Bridge Pump Station and force mains are critical to ensure the continuous collection, treatment, and recycling of the wastewater flow from the City of Newport Beach.

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Reasons for Project

- Moderate to severe concrete corrosion
- Aging equipment
- Space constraints
- Access from East Coast Hwy poses safety concerns

2021 Emergency Repairs

Mechanical Equipment at End of Life

Electrical Equipment at End of Life

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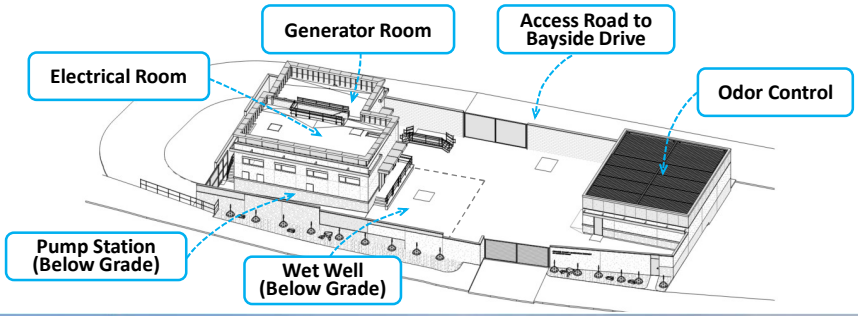
New Pump Station Design



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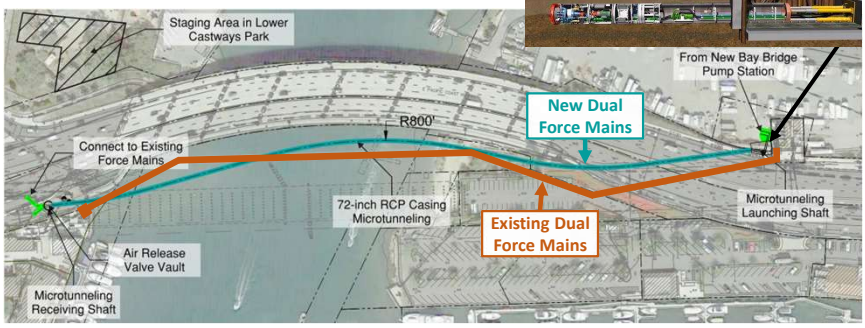
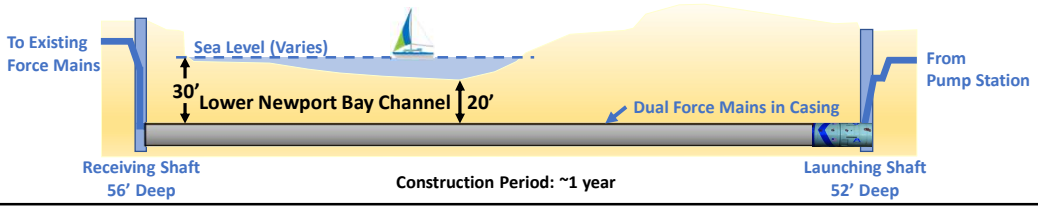
Microtunneling Section

Microtunneling is a trenchless construction method used to install pipelines beneath waterways.





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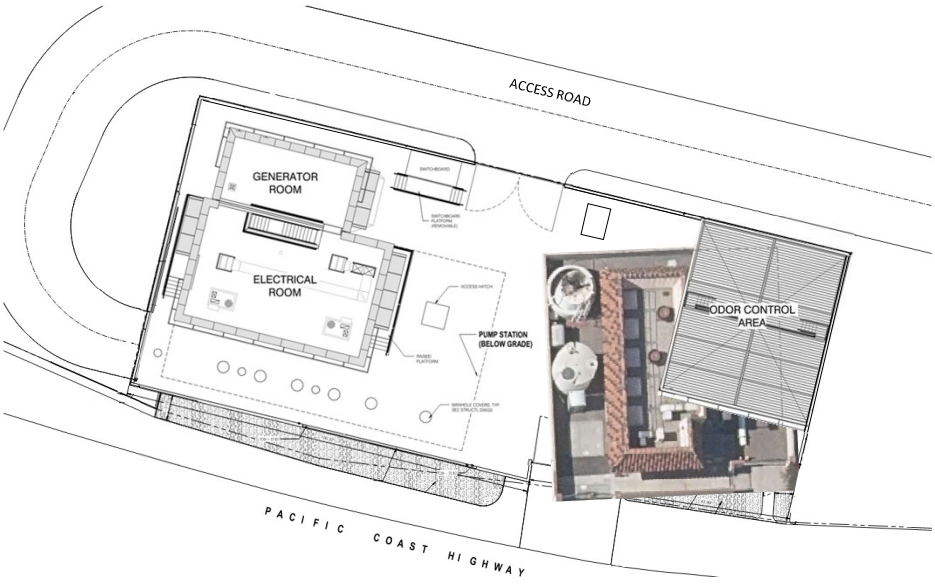
Pump Station Site



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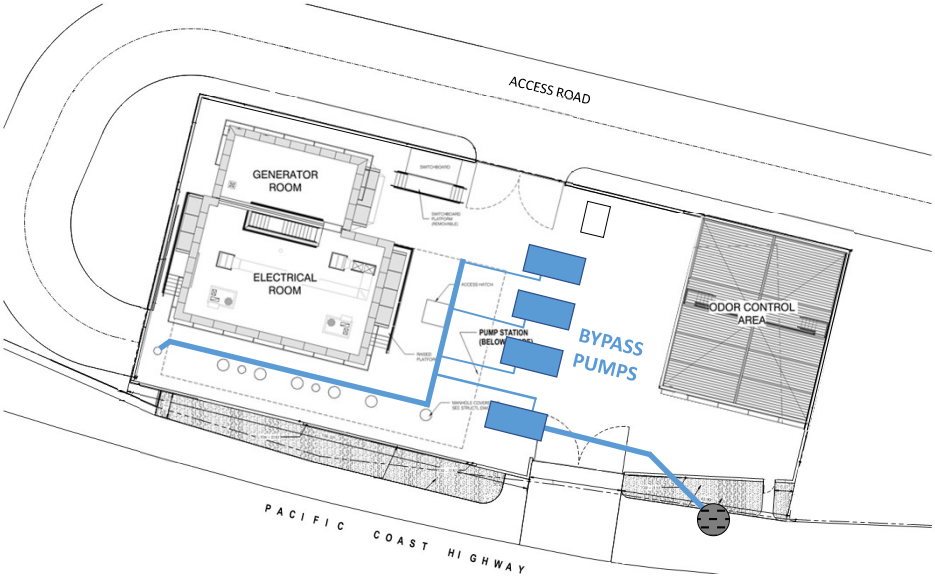
Pump Station Site



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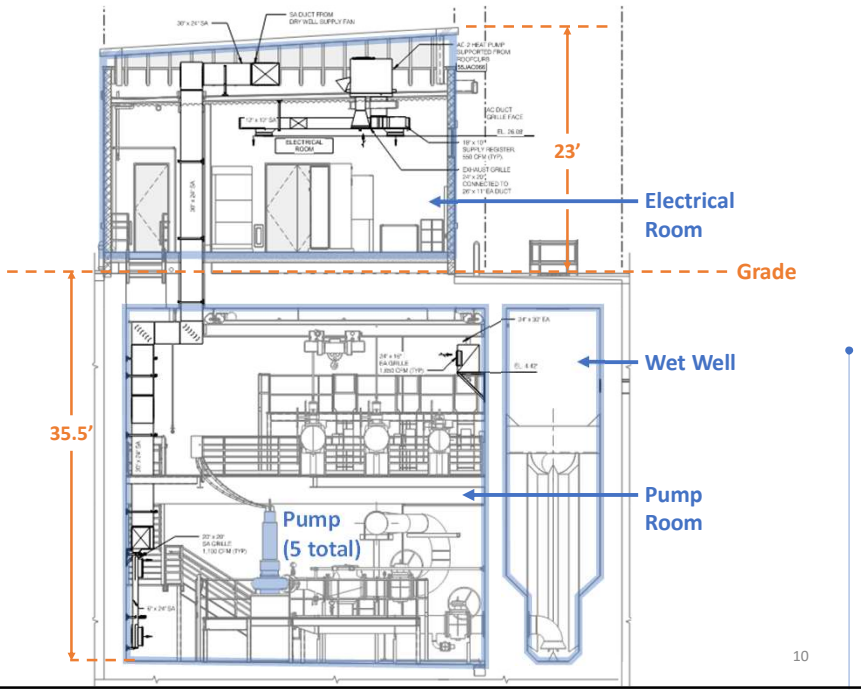
Pump Station Section



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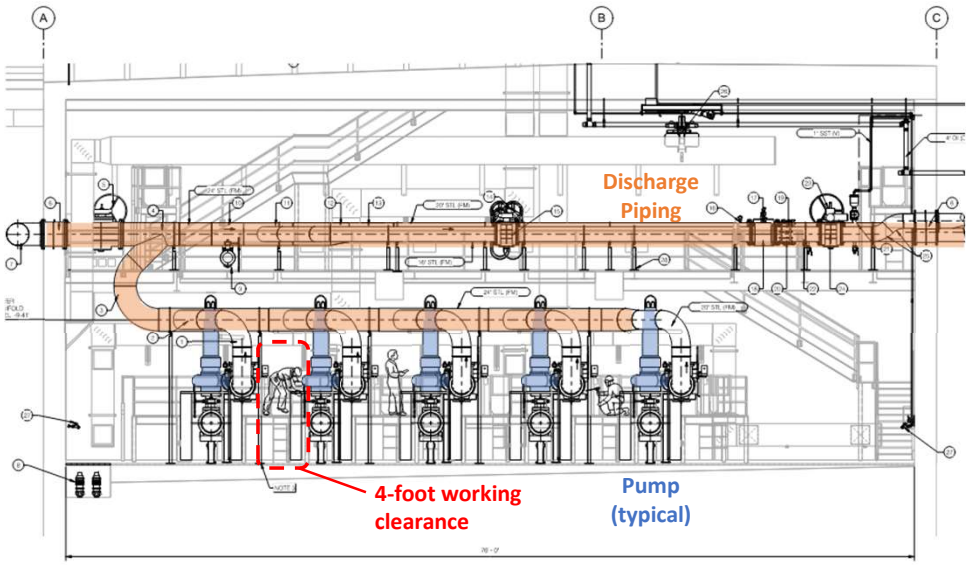
Pump Station Section



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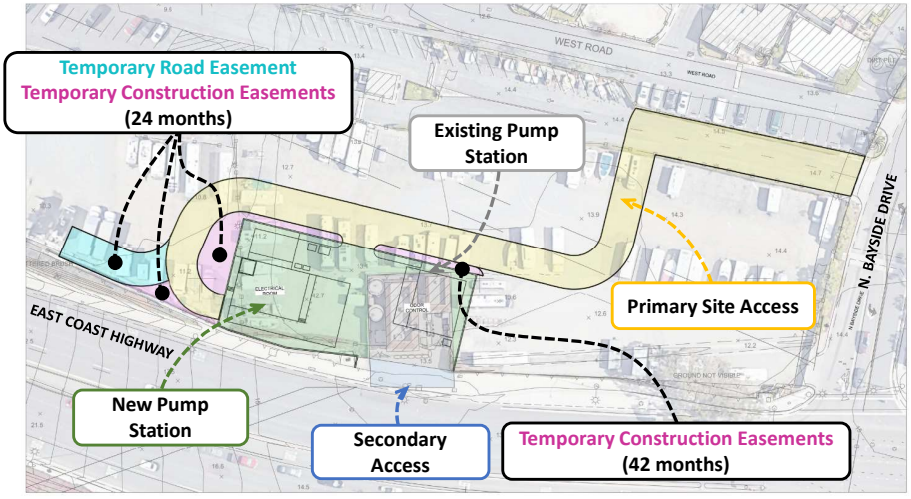
Construction Access



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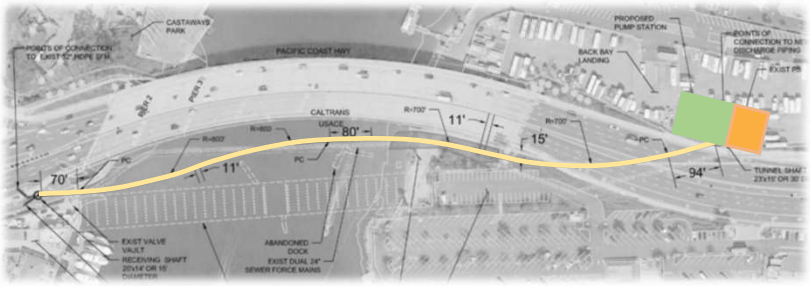
Construction Schedule



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Bid Results

Engineer's Estimate	$ 94,750,000*
Bidder	**Amount**
JF Shea Construction, Inc.	$ 87,321,000
Hensel Phelps Construction Co.	$ 88,457,581

* The estimator provided a cost range of $88M to $102M due to the project's complexity and major change to the construction staging area.

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Recommendation

Recommend to the Board of Directors to:

A. Approve a project budget increase of $26,000,000 for Bay Bridge Pump Station Replacement, Project No. 5-67, for a new total budget of $172,000,000;

B. Receive and file Bid Tabulation and Recommendation for Bay Bridge Pump Station Replacement, Project No. 5-67;

C. Award a Construction Contract Agreement to J.F. Shea Construction, Inc. for Bay Bridge Pump Station Replacement, Project No. 5-67, for a total amount not to exceed $87,321,000; and

D. Approve a contingency of $8,732,100 (10%).

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Questions?

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