Ocean Outfalls Rehabilitation, Project No. J-137

Presented by:
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Operations Committee
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OC SAN
ORANGE COUNTY SANITATION DISTRICT

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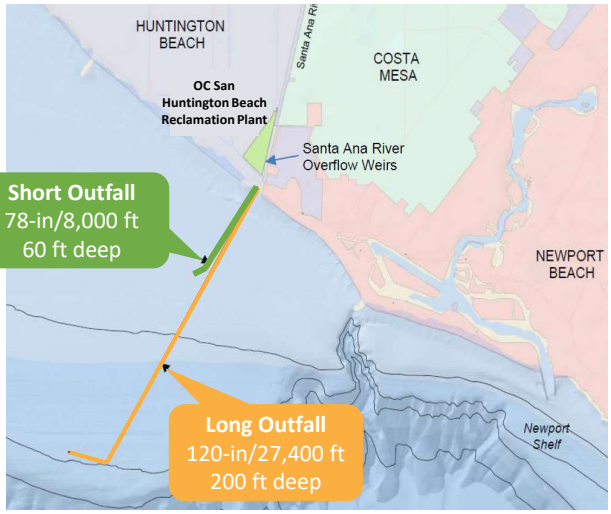
Outfalls Background



The 78-inch diameter Ocean Outfall (Short Outfall) was constructed in 1954, including a surge tower, land section, and a marine section

The 120-inch diameter Ocean Outfall (Long Outfall) was constructed in 1971 and consists of a surge tower, land section, and marine section

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Project Goals

- Extend the useful life of the Long Outfall
- Improve reliability of Short Outfall for duration of Long Outfall rehabilitation
- Provide short- and long-term rehabilitation recommendations to extend useful life of Short Outfall

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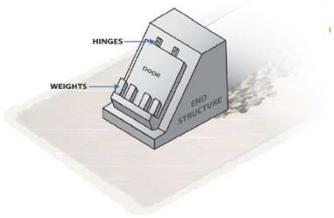
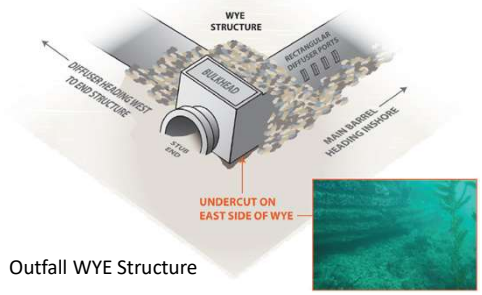
Short Outfall Scope

- Perform detailed inspection of interior and exterior of the Short Outfall
- Evaluation and removal of sediments
- Closure of the rectangular ports
- Cleaning of circular diffusers

Rectangular Ports



Outfall End Structure



Outfall WYE Structure

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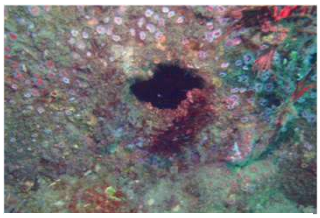
Short Outfall Scope

- Develop short- and long-term rehabilitation options
- Verify capacity of Short Outfall
- Acceptance Test for reliability of Short Outfall
- Improvements for temporary disinfection system

Typical Ballast in way of Diffuser Pipe



Typical Diffuser Port

End Structure Flap Gate Hinges

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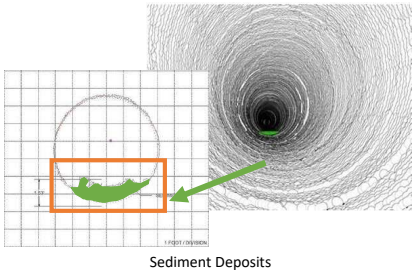
Long Outfall Scope

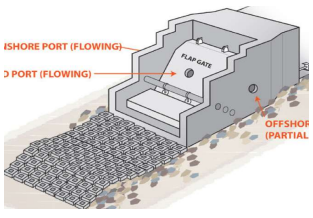
- Remove debris blocking diffuser access
- Replace inspection opening hold-down hardware
- Add additional ballast rock
- Rehabilitate or replace existing manhole covers and appurtenances
- Remove outfall sediment deposits
- Replace flap gate

Opening Hold-Down Hardware

Existing Manhole Covers



Sediment Deposits



Flap Gate

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Procurement Approach

- One-Step RFP Procurement utilizing Best Value Selection
- Industry Forum Event for market outreach
- Individual meetings with interested design-builder firms
- RFP issued, initiating cone-of-silence period
- Proprietary meetings with Design-Builder firms
- Proposals received

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Proposal Scoring Criteria

Description	Points
TECHNICAL PROPOSAL EVALUATION CRITERIA	
Proposer Profile and Minimum Requirements	Responsive/Non-Responsive
Project Understanding and Key Issues	20
Project Team and Key Personnel	20
Project Experience and References	20
Project Delivery and Management Approach	20
Cost Development and Procurement Approach	10
Technical Proposal Maximum Score	**90**
PRICE PROPOSAL EVALUATION CRITERIA	
Phase 2 Design-Builder's Fee	10
Price Proposal Maximum Score	**10**
TOTAL PROPOSAL MAXIMUM SCORE	**100**

Proposal and Interview are scored independently; final ranking determined based on sum of Interview score and Price Proposal score

Considered after the final score from interviews are tallied

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Selection Process

- Three proposals received
- Interviews conducted with all three firms
- Aqueous Corporation selected through best-value process
  - Collaborative attitude
  - Structured risk management approach
  - Strong technical team
  - Construction expertise with outfalls
  - Skilled labor force availability
  - Safety record

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Summary of Negotiations

Task Name	Proposal	Negotiated
PM and Meetings	$2,737,921	$2,737,921
Field Investigations and Condition Assessment	$6,841,438	$6,841,438
Design and Guaranteed Maximum Price (GMP) Development	$4,110,458	$5,278,899
Permitting & CEQA	$502,882	$1,271,742
Total Phase 1 Services	**$14,192,699**	**$16,130,000**

Added scope:

- Design of the Outfall Valve No. 4 replacement ($705K)
- Design of the temporary chlorination tank ($150K)
- CEQA work ($1.1M)

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Increase to Project Upper Limit

	Budgeted	Revised	Difference
Design-Builder Upper Limit			
Design	$6,500,000	$12,600,000	$6,100,000
Inspection	-	$6,840,000	$6,840,000
Construction	$62,000,000	$64,890,000	$2,890,000
Permitting	-	$1,300,000	$1,300,000
Contingency (10%)	$6,850,000	$8,563,000	$1,713,000
Subtotal—Design-Builder Upper Limit	**$75,350,000**	**$94,193,000**	**$18,843,000**
Other Project Costs			
Owner's Advisor	$7,941,724	$7,941,724	-
Environmental Services	$2,000,000	$2,000,000	-
Staff Labor	$1,938,276	$2,555,276	$617,000
Other Project Costs	$970,000	$610,000	$(360,000)
Project Contingency	$11,800,000	$3,200,000	$(8,600,000)
Total Project Costs	**$100,000,000**	**$110,500,000**	**$10,500,000**

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Recommendations

A. Approve a project budget increase of $10,500,000 for Ocean Outfalls Rehabilitation, Project No. J-137, for a new total project budget of $110,500,000;

B. Award a Progressive Design-Build Contract with Aqueos Corporation to provide Phase 1 progressive design-build services for Ocean Outfalls Rehabilitation, Project No. J-137, for an amount not to exceed $16,130,000; and

C. Approve an upper limit for this Contract of $94,193,000, which includes contingency.

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