

70
1954 - 2024

Orange County
Sanitation District
70th Anniversary

Digester P and R Dome Tendon Repair, Contract No. P2-137A

Presented by:
Martin Dix, Engineering Manager

Operations Committee
July 10, 2024

Construction Contract Award

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Plant No. 2 Digesters

- 18 digesters
- Built from 1959 through 1979
- Converts sludge to biosolids and biogas for reuse
- Rehab to extend useful life until digesters are replaced
- Created separate contract for urgent tendon repairs

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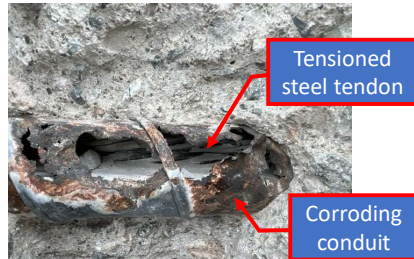
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Digester Tendon Issues

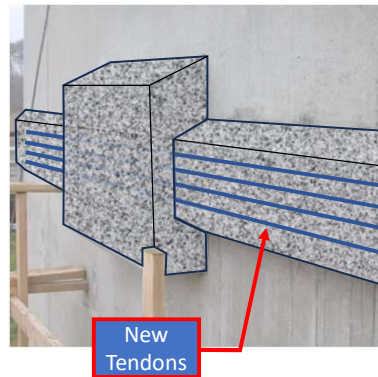
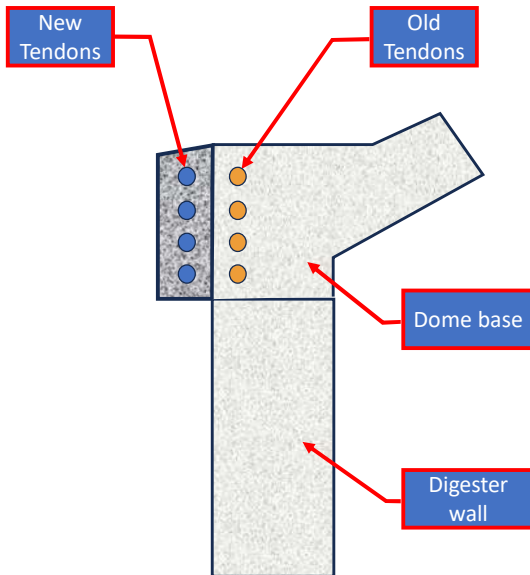


Tendons are a critical structural component and need immediate repair



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Digester Tendon Repairs



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Bid Results



Engineer's Estimate \$2,600,000

Bidder	Amount
Structural Preservation Systems, LLC	\$2,597,864

- Requires post tension specialty contractor
- 20+ downloaded plans
- 3 attended pre-bid job walk
- Post bidding survey: one response (maxed out bonding capacity)

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Recommendation

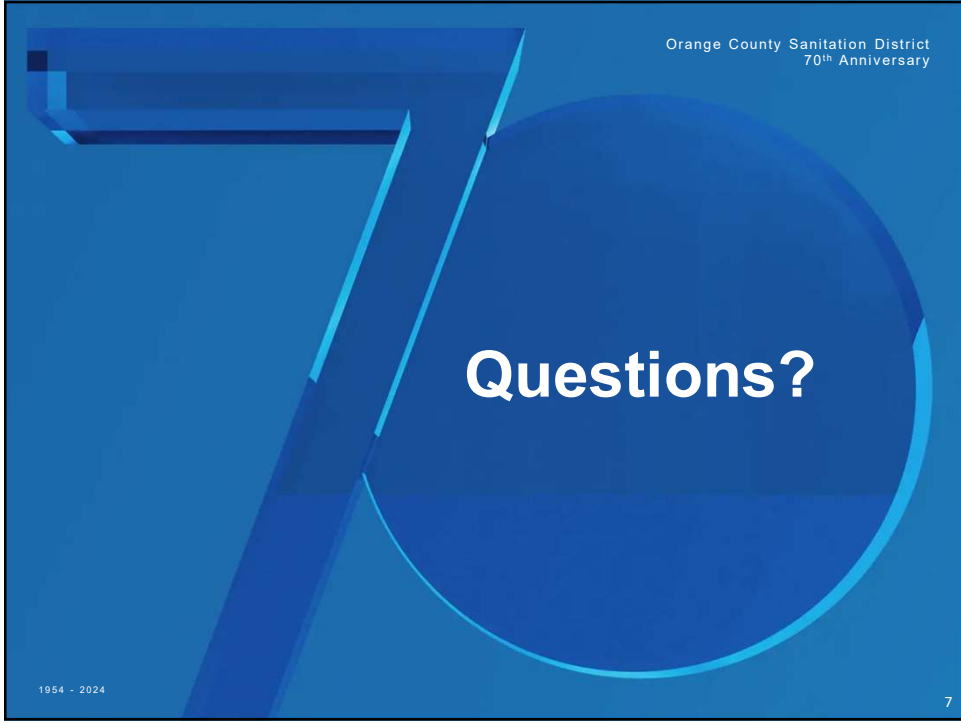


Recommend to the Board of Directors to:

- Receive and file Bid Tabulation and Recommendation for Digester P and R Dome Tendon Repair, Contract No. P2-137A;
- Award a Construction Contract Agreement to Structural Preservation Systems, LLC for Digester P and R Dome Tendon Repair, Contract No. P2-137A as part of Digesters Rehabilitation at Plant No. 2, Project No. P2-137, for a total amount not to exceed \$2,597,864; and
- Approve a contingency of \$259,786 (10%).

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