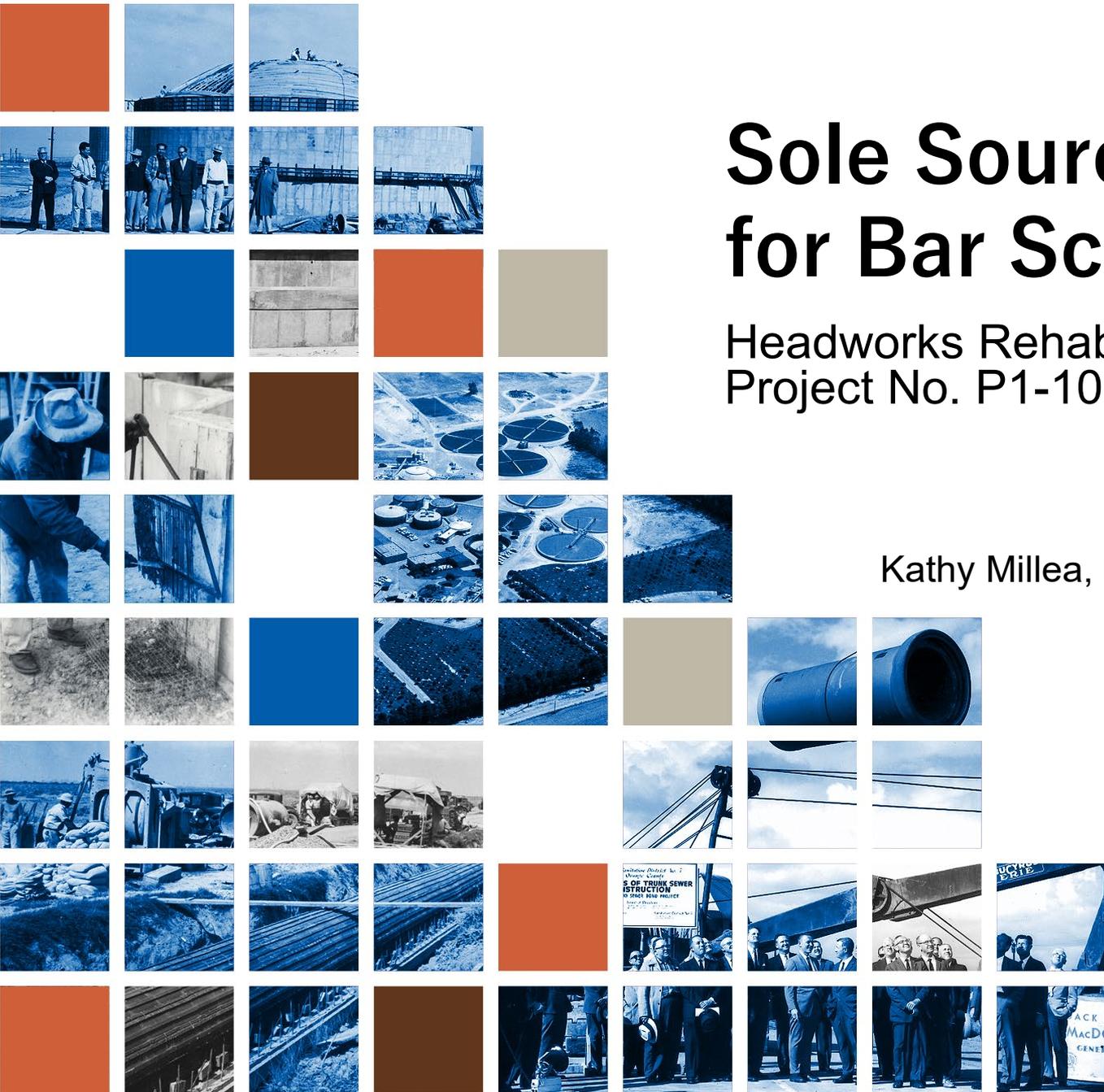


Sole Source for Bar Screens

Headworks Rehabilitation
Project No. P1-105

Kathy Millea, Director of Engineering
Operations Committee
July 1, 2020

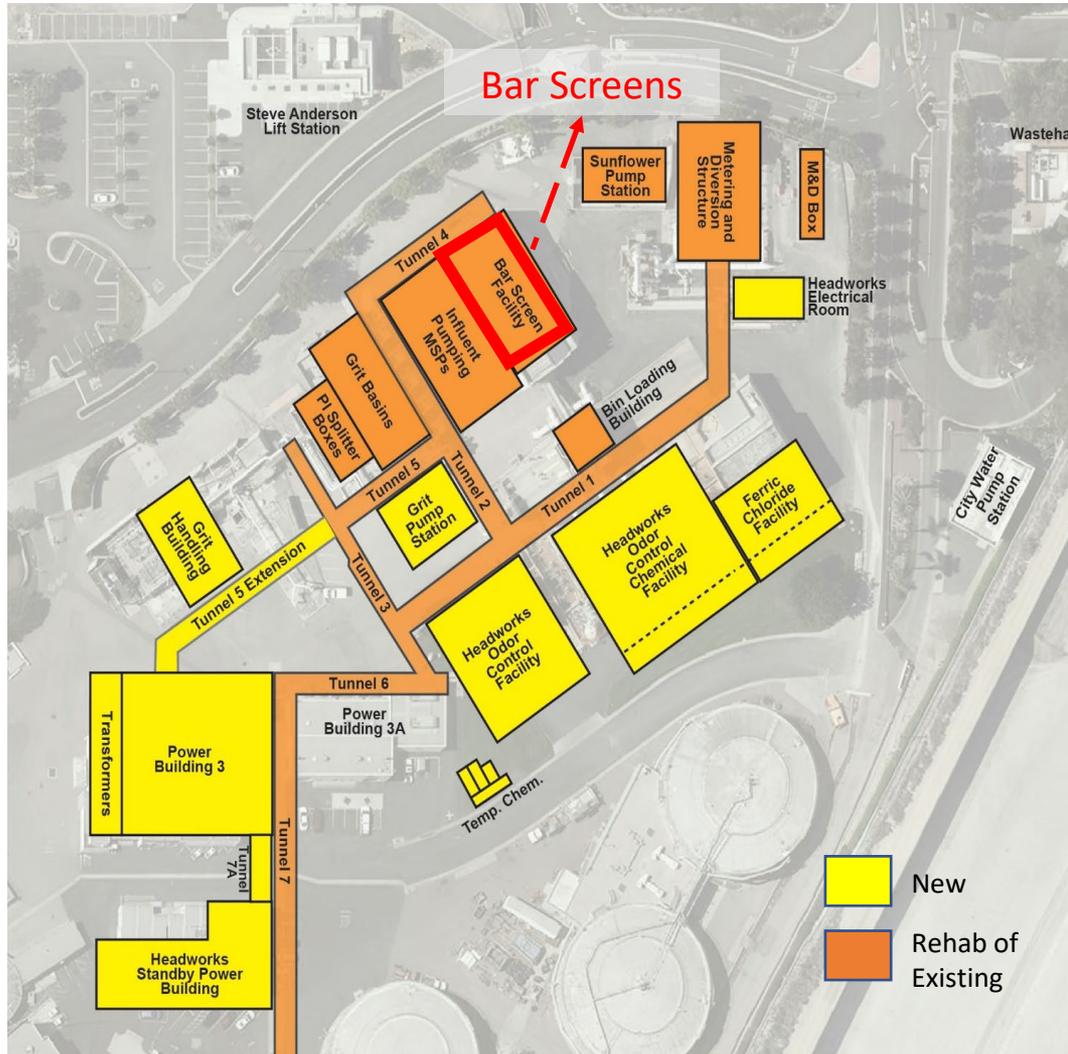


Headworks is where treatment begins



Plant No. 1

Headworks Rehabilitation at Plant No. 1

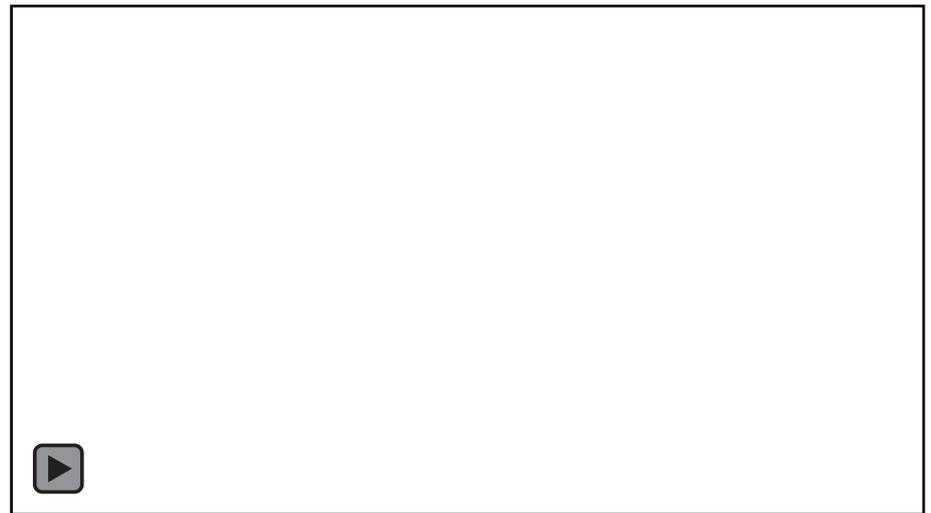
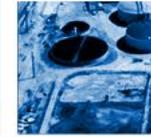


Construction Cost: \$293 million

Advertise for Bids: Sept 2020

Construction Duration: 6.5 years

Bar Screens

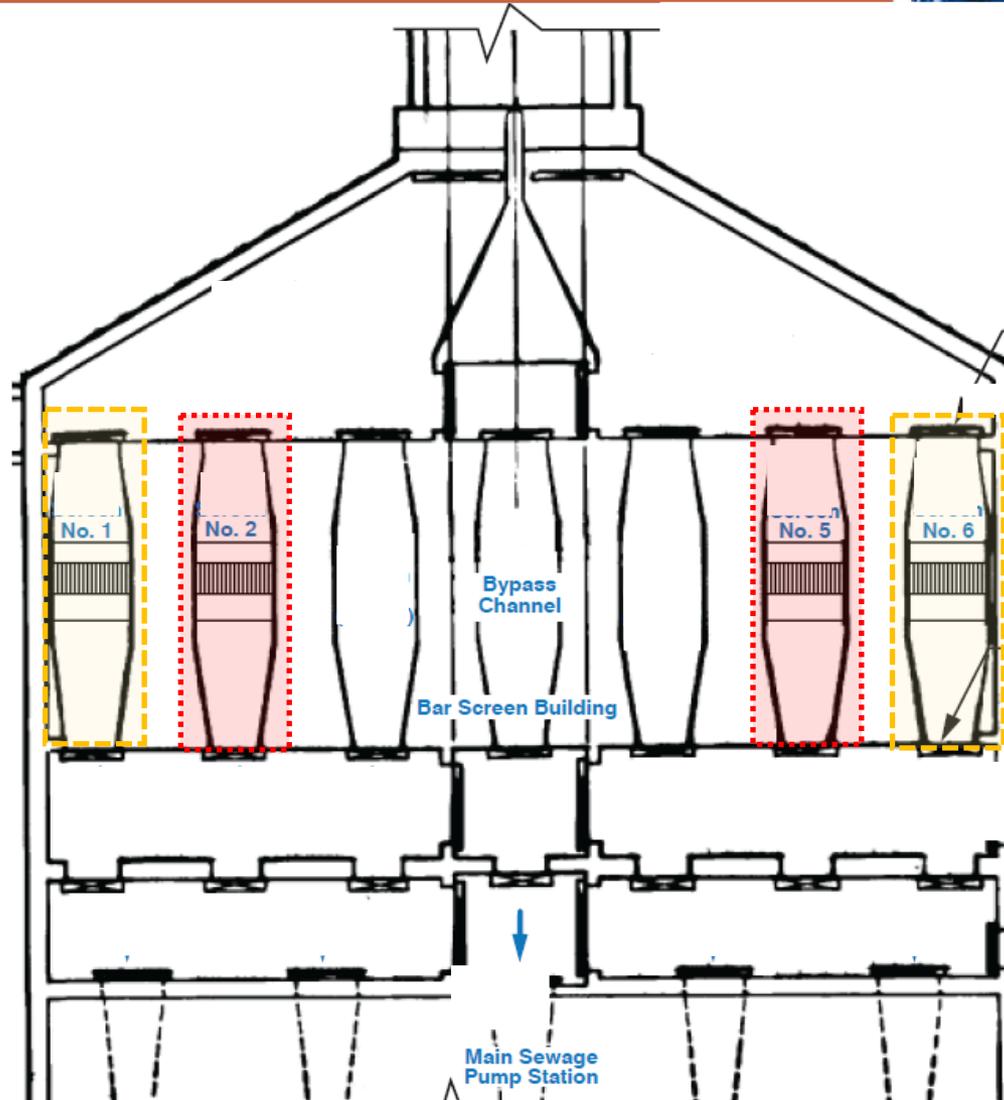


Existing Bar Screens

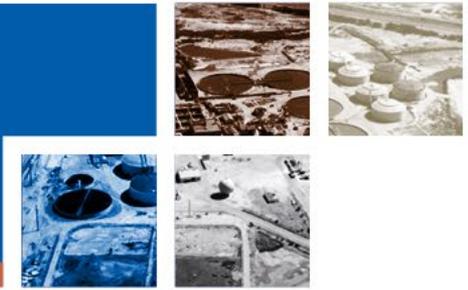


5/8" Spacing

1" Spacing



Bar Screen Evaluation

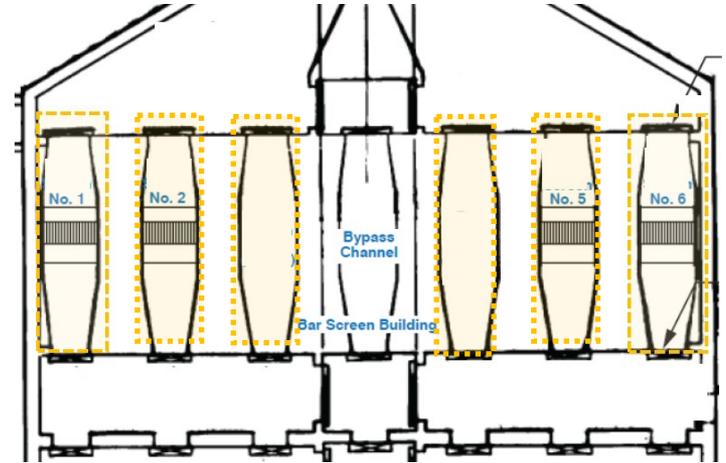
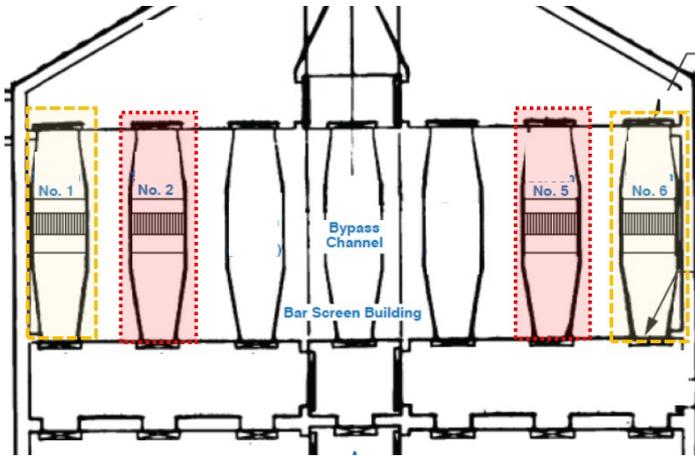


Extensive studies performed:

- Type of screening mechanisms
- Bar screen spacing
- Hydraulic capacity

Pilot testing of 5/8-inch screen for Plant No. 2 Headworks project

Evaluation Results



5/8" Spacing

1" Spacing

- Refurbish 4 existing bar screens
- Add 2 new bar screens
- Keep climber screens
- All bar screens to have 5/8" spacing
 - Better removal
 - Reliability
 - Hydraulic Capacity
 - Fit within existing structure

Sole Source Justification



- \$2 million lower equipment cost to rehab vs. replace 4 bar screens
- Only SUEZ WTS can supply parts and material to refurbish existing bar screens
- All bar screens would be the same design
- \$3.8 million pricing commitment from supplier. Verified as reasonable based on pricing for similar installations.

Existing Climber Technology by Suez WTS

Recommended Action



Adopt Resolution No. OCSD 20-XX entitled, “A Resolution of the Board of Directors of the Orange County Sanitation District, making findings pursuant to Public Contracts Code Section 3400 in support of the sole source specification of SUEZ Water Technologies & Solutions for refurbishing four existing bar screens and for furnishing two new bar screens for Headworks Rehabilitation at Plant No. 1, Project No. P1-105”.

