



Engineering Services Manager's Report

Engineering and Operations Committee
Item 7b
September 13, 2021

Construction and Procurement Contracts

July 2021

Construction & Procurement Contracts Through July 2021	
Number of Contracts at end of July 2021	29
Total Bid Amount of Contracts in Progress at end of July 2021	\$251M
Contracts Awarded in July 2021	0
Contracts With Notice To Proceed Issued in July 2021	0
Contracts Completed in July 2021	1
Contract Gross Earnings in July 2021	\$2.5M

Garvey Reservoir Site Drainage contract

- Contract Amount:
 - \$1,294,800
- Contractor:
 - Kaveh Engineering and Construction, Inc.
- Percent Complete:
 - 60 %
- On-Going Construction Tasks:
 - Onsite work is currently suspended as of July 22, 2021



Upper Feeder Protection Structure Damage



Cal Trans I-10 Express Lane Project
at the Monte Vista off-ramp (westbound)



Upper Feeder beneath damaged protection structure



Metropolitan's Ozonation Systems

- Critical ozone components require upgrade, replacement, or rehabilitation to maintain operational reliability
 - Ozone control systems
 - Ozone generation systems
 - Other ozone facilities and subsystems
 - Oxygen feed gas, nitrogen, generator cooling water, & diffusion systems
- Metropolitan's oldest ozone systems
 - Mills: 2003
 - Jensen: 2005
 - Skinner: 2010
- Phased approach to address ozone rehabilitation underway

Ozone Control System Upgrades

- Replace PLCs and control panels
 - Jensen plant
 - Completed in 2018, approximately \$1.6 M
 - Skinner plant
 - Completed in 2021, approximately \$1.5 M
 - Mills plant
 - Underway, Board action August 2021
 - Scheduled to be completed by Dec. 2022
 - Capital investment approximately \$2.1 M

Rehabilitation of Other Ozone Components

- Jensen Plant
 - Power supply units (PSUs)/dielectrics replacement underway
 - Capital investment: approx. \$7.1 M
 - Contract award planned: November 2021
- Skinner & Mills Plants
 - PSU/dielectric assessment planned to start in spring 2022
 - Skinner ozone contactors 3 and 4 rehabilitation – complete
 - Skinner ozone contactors 1 and 2 rehabilitation – design underway
- Diemer & Weymouth Plants
 - Diemer on-line 2013: monitoring
 - Weymouth on-line 2017: monitoring

Staff Presentations to Recent and Upcoming Conferences

- ASCE: Specialty Meetings and Conferences
 - Applications of Metropolitan's Hydraulic Modeling Capabilities
 - Strategies to Improve Large Diameter Pipeline Seismic Resilience
 - Infrastructure Resilience – Eight presentations
- AWWA 2021 ACE Conference
 - Metropolitan's System Reliability Strategy and Resilience
- Earthquake Engineering Research Institute: Panel Discussion
 - Resilience of Lifeline Networks
- Japan/Taiwan/US 2022 Seismic Conference
 - Two presentations accepted

Metropolitan Los Angeles Branch, ASCE
Hydrology & Hydraulics Group
Presents

**Applications of
Metropolitan Water District's
Hydraulic Modeling Capabilities**

Sonnie Kashay, P.E. • Sameh Momtaz, P.E. • Saurabh Shekhar, P.E.

September 22, 2021
11:30am to 12:30pm

Zoom Webinar Link
ID: 919 6699 8209
Passcode: 041644

Or Telephone: +1 669 219 2599 or +1 669 900 9128



