

# 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

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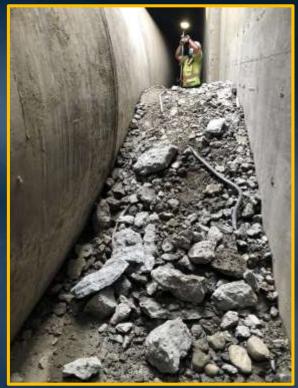
#### Garvey Reservoir Site Drainage contract

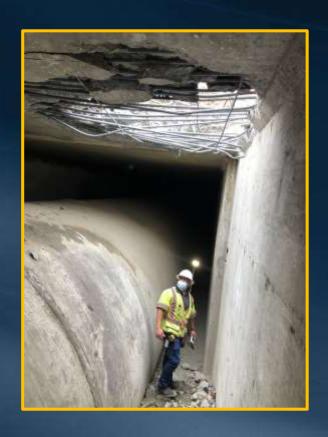
- Contract Amount:
  - \$1,294,800
- Contractor:
  - Kaveh Engineering and Construction, Inc.
- Percent Complete:
  - **60 %**
- On-Going Construction Tasks:
  - Onsite work is currently suspended as of July 22, 2021



#### 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

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#### 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

