

**TO:** Andrew P. Powers, City Manager

**FROM:** Clifford G. Finley, Public Works Director

**DATE:** February 22, 2022

**SUBJECT:** Hill Canyon Treatment Plant Digester No. 1 Rehabilitation Project (MI 2564)

**RECOMMENDATION:**

1. Approve Change Order No. 3 to Contract No. 12819-2021 with James C. Cushman, Inc. (Goleta, CA) on the Hill Canyon Treatment Plant Digester No. 1 project in the amount of \$16,559.14 for a new revised not-to-exceed amount of \$1,066,641.14.
2. Approve budget appropriation and expenditure in the amount of \$16,560 from A/C #624-0000-341-9900 (Wastewater Fund, Net Position) to A/C #624-8250-682-5500 (MI 2564, HCTP Digester No. 1 Rehabilitation Project).

**FINANCIAL IMPACT:**

**\$16,560 Increase to FY 2021-22 Wastewater Capital Fund Budget.** \$16,560 increase in budget is requested for the Hill Canyon Treatment Plant Digester No. 1 Rehabilitation Project. \$1,830,193 is available in the Adopted FY 2021-22 Wastewater Capital Fund Budget. The total project cost is estimated at \$1,841,885.

**BACKGROUND:**

The City's Hill Canyon Treatment Plant (HCTP) treats wastewater from the community of Thousand Oaks (Attachment #1). Constructed in the 1960s with major improvements over the following decades, HCTP provides tertiary level treatment. As part of the overall waste treatment processes, HCTP utilizes three, 800,000-gallon reinforced concrete anaerobic digester units. Exterior maintenance of the structure and related components is part of a routine maintenance program.

The rehabilitation of Digester No. 1 is the last step in a larger overall program that cleaned and rehabilitated all three of the wastewater digesters at HCTP. The rehabilitation of Digester No. 3 was completed in August 2019 and the rehabilitation of Digester No. 2 was completed in August of 2020. Digester No. 1

was constructed in the 1980s and was the original digester at HCTP. It was retrofitted in 1994 with a metal roof at the same time as the construction of Digester Nos. 2 and 3. Digester No. 1 has not been fully removed from service for either a complete cleaning of the interior or interior inspection of the structure or internal piping since it was retrofitted. Each Digester rehabilitation is a three-part process: cleaning, inspection, and repairs.

**DISCUSSION/ANALYSIS:**

City Council awarded the construction contract for repair of Digester No. 1 to James C. Cushman, Inc. (Cushman) on June 22, 2021, and the construction started in August 2021. Change Order No. 1 was processed administratively in October 2021 using a portion of the original \$94,370 construction contingency. Change Order No. 2 was approved by City Council on December 14, 2021, to include additional rehabilitation work to make repairs related to unforeseen conditions. Change Order No. 3 replaces the handrail on top of the tank from galvanized steel to aluminum (Attachment #2).

The construction contract cost breakdown is as follows:

Construction Contract No. 12819-2021	\$ 943,700.00
Change Order No. 1 (previously approved)	\$ 57,431.00
Change Order No. 2 (previously approved)	\$ 48,951.00
Change Order No. 3 (current action)	\$ 16,559.14
<b>Total Revised Construction Contract</b>	<b><u>\$1,066,641.14</u></b>
Less Previous Contract + Approved Contingency	\$ 1,050,082.00
<b>Current funding request</b>	<b><u>\$ 16,559.14</u></b>

The estimated overall project cost breakdown is as follows:

Design and Engineering (previous, with extra services)	\$ 237,698.00
City Furnished Materials and Supplies (previous)	\$ 368,745.00
Digester Cleaning Contract (completed)	\$ 168,800.00
Digester No. 1 Rehabilitation Contract (active contract)	\$ 943,700.00
Digester No. 1 Rehabilitation CO#1 (previously approved)	\$ 57,431.00
Digester No. 1 Rehabilitation CO#2 (previously approved)	\$ 48,951.00
Digester No. 1 Rehab - Additional Funding for CO#3 (this action)	\$ 16,559.14
	<b><u>\$1,841,884.14</u></b>

This repair phase is anticipated to be complete by late June 2022.

Community Outreach: This project is limited to work at the HCTP and has not impacted neighboring residences. The work will be at the north end of the plant and will have limited impact to plant operation. Construction-related impacts to hiking trail users will be minimal.

This project meets City Council's Top Ten Priorities #9 to, "Adopt and implement two-year Operating and Capital Improvement budgets that are aligned with best practices on fiscal sustainability and financial resiliency. Make strategic investments in existing critical public works infrastructure including pavement management, sidewalks, water resources, and streetscape."

**CIP PROJECT PRIORITY:** (as outlined in FY 2021-22 and FY 2022-23 CIP Program Budgets)

Priority One – Addresses Health and Safety, legal and regulatory requirements, or a top City Council Priority.

**COUNCIL GOAL COMPLIANCE:**

Meets the following City Council goal(s):

F. Provide and enhance essential infrastructure to ensure that the goals and policies of the Thousand Oaks General Plan are carried out and the City retains its role and reputation as a leader in protecting the environment and preserving limited natural resources.

**PREPARED BY:** Nader Heydari, Deputy Public Works Director

Attachments:

Attachment #1 – Vicinity and Location Maps

Attachment #2 – Change Order No. 3