

Project Title: Freud & Conner Creek Pump Station Improvements

Project Status: Project Execution - Design
Class Lvl 1: Wastewater
Class Lvl 2: Systems Control Center
Class Lvl 3: Pump Stations
Lookup Location: Conner Creek & Freud Pump Stations
 Project New to CIP:

- Innovation
- WW Master Plan
- Water Master Plan Right Sizing
- Redundancy
- NE WTP Repurposing
- Linear Assets Outside of Facilities
- Predecessor Project(s)



Both PSs pictures

Project Engineer/Manager: Mini Panicker

Director: Biren Saparia

Project Score

94.1

Problem Statement:

The primary objective of this project is to study the overall performance of Connor Creek and Freud sewage pumping stations and develop design, and build an operational strategy to optimize the utilization of interconnected piping and operation between both pumping stations and the Connor Creek Retention and Treatment Basin.

Scope of Work/Project Alternatives:

Provide basis of design, and final design for an operational strategy to optimize the utilization of interconnected piping and operation between Connor Creek and Freud pumping stations and the Connor Creek Retention and Treatment Basin. Provide construction of the emerging project and construction assistance during construction of the emerging project.

Other Important Info:

Challenges: Meeting the collection system transport capacity during the construction.

Project History: The Connor Creek Pump Station (CCPS) was originally built in 1928 with four storm water pumps, each with a rated capacity of 500 cubic feet per second (cfs). The CCPS was expanded in 1940 adding four more pumps of the same capacity. The pump station currently has a total capacity of 4,000 cfs and a firm capacity of 3,500 cfs. The pumps are primed using a vacuum system that relies on the f...

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Phase: Construction (Phase 2) - Freud Pump Station

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Phase Budget: Wastewater

Start Date: 7/1/2016

Phase Status: Active - Procurement

End Date: 12/26/2030

Phase Comments/Description:

attached funds approval - this is in Procurement now added estimated start and finish dates to the C&S sheet along with the funds approval form

Cost Est. Class: Class 1

Cost Est. Source: Arcadis

Cost Est. Date: 6/8/2023

Cost Est. Prepared By: Jeff Swartz

Phase Total Expenses By FY (All figures are in \$1,000's)

"Total Costs" include costs outside of the 10 year planning window

*Design & Construction costs are inclusive of salaries where salaries are not defined

	Total Costs	Actual Costs	Prior FYs	FY24	FY25	FY26	FY27	FY28	FY29	5 Year Total	FY30-34
Construction (Phase 2) - Freud Pump Station	\$125,890	\$2,493	\$2,493	\$1,542	\$18,767	\$18,767	\$18,767	\$18,818	\$18,767	\$93,885	\$27,970

Phase Dates

Activity Name	Start Date	End Date
Construction (Phase 2) - Freud Pump Station	6/1/2024	12/26/2030
Construction Materials (2103384)	12/14/2022	3/20/2027
Construction (MISC - Land Purchase)	7/1/2016	6/30/2018