



City of Denton

City Hall
215 E. McKinney Street
Denton, Texas
www.cityofdenton.com

AGENDA INFORMATION SHEET

DEPARTMENT: Procurement
ACM: Cassey Ogden
DATE: March 27, 2023

SUBJECT

Consider recommending adoption of an ordinance of the City of Denton, a Texas home-rule municipal corporation, authorizing the City Manager to execute a Professional Services Agreement with Kimley-Horn and Associates, Inc., to provide regulatory permitting/approval support, process evaluation, design services, bidding assistance, and construction phase services for the Cooper Creek Lift Station Improvement Project for the Water Utilities Department; providing for the expenditure of funds therefor; and providing an effective date (RFQ 7574-025 – Professional Services Agreement for design services awarded to Kimley-Horn and Associates, Inc., in the not-to-exceed amount of \$750,000.00).

INFORMATION/BACKGROUND

The Cooper Creek Lift Station (CCLS) was initially completed in 2003. The facility is the main collection site for the Cooper Creek Wastewater Basin flows and is located on the NW corner of Prominence and Mayhill RD. The station currently has a capacity of eight million gallons per day (MGD). There have not been any significant improvements to the station since its completion. CCLS has a history of maintenance challenges due to upstream solids buildup that inundate the station during rain events. Additionally, the station requires various rehabilitation and upgrades, as determined by Water Reclamation staff and a condition assessment previously performed by the consultant under a separate agreement. The equipment has outlived its useful life and warrants replacement. The proposed project will increase capacity and support growth within the community and maintain public health through the safe conveyance of wastewater.

Major improvements and upgrades to the Cooper Creek Lift Station include:

- Installation of a bar screen in advance of the lift station including offsite inlet piping relocation to minimize floodplain impacts, including a washer, compactor and automatic bagging system, bypass channel, on-site paving, and fencing improvements, and associated electrical and instrumentation improvements.
- Installation of new variable frequency drive (VFD) and associated electrical and instrumentation improvements, new Programmable Logic Controller (PLC), and main electrical control panel in the electrical building.
- Installation of a fourth submersible pump to increase capacity up to 12 MGD, permanent emergency bypass connection, and yard isolation valve(s) for future maintenance.

Engineering firms listed on the prequalified list for Wastewater Detention and Lift Station and Collection facilities were interviewed separately to determine the most qualified firm for the project. Based on the qualifications, knowledge, and experience in rehabilitation of similar type and concept most in line with future expansion, staff selected Kimley Horn and Associates Inc. from the list of qualified consultants to perform this work.

Request for Qualifications for professional engineering services for Water and Wastewater was solicited using the City's formal solicitation process. City Council approved a pre-qualified list of engineering firms on March 23, 2021 (Ordinance 21-546).

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On March 23, 2021, Council approved RFQ 7574 for a prequalified list of professional engineering firms for Water and Wastewater (Ordinance 21-546).

RECOMMENDATION

Award a contract with Kimley-Horn and Associates, Inc., to provide regulatory permitting/approval support, process evaluation, design services, bidding assistance, and construction phase services for the Cooper Creek Lift Station Improvement Project for the Water Utilities Department, in a not-to-exceed amount of \$750,000.

PRINCIPAL PLACE OF BUSINESS

Kimley-Horn and Associates, Inc.
Fort Worth, TX

SUSTAINABILITY MEASURES

The rehabilitation of the Cooper Creek Lift Station improves the safety and reliability of wastewater conveyance to the Pecan Creek Water Reclamation Plant.

RELATIONSHIP TO SUSTAINABILITY FRAMEWORK

Focus Area: *Wastewater Collection*

What are some of the goals the department will be setting up to ensure that the sustainability measures are met?

Goal 1: Collect wastewater from the Cooper Creek Basin and discharge it safely to the Water Reclamation Plant

Goal 2: Ensure wastewater is collected and conveyed in accordance with regulatory requirements.

Goal 3: Protect the health, safety, and the environment from sanitary sewer overflows. The project addresses the need to eliminate solids buildup and provide an emergency bypass for maintenance and equipment reliability to ensure the station's continued service.

FISCAL INFORMATION

These services will be funded from Wastewater CIP account 640481545.1360.21100. Requisition #159140 has been entered into the Purchasing software system in the amount of \$550,000. The budgeted amount for this item is \$750,000. The remaining \$200,000 will be added to the allocated project fund in FY 2024.

EXHIBITS

Exhibit 1: Agenda Information Sheet
Exhibit 2: Ordinance and Contract

Respectfully submitted:
Lori Hewell, 940-349-7100
Purchasing Manager

For information concerning this acquisition, contact: David Brown, (940) 349-8480.

Legal point of contact: Marcella Lunn at 940-349-8333.