



# City of Denton

City Hall  
215 E. McKinney Street  
Denton, Texas  
[www.cityofdenton.com](http://www.cityofdenton.com)

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## AGENDA INFORMATION SHEET

**DEPARTMENT:** Procurement  
**ACM:** Christine Taylor  
**DATE:** June 8, 2026

### **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 Carollo Engineers, Inc., for engineering services for Clear Creek Water Reclamation Plant for the Water Utilities Department as set forth in the contract; providing for the expenditure of funds therefor; and providing an effective date (RFQ 8213-019 - Professional Services Agreement for engineering services awarded to Carollo Engineers, Inc., in the not-to-exceed amount of \$45,528,839.00).

### **STRATEGIC ALIGNMENT**

This action supports Key Focus Area: Enhance Infrastructure and Mobility.

### **INFORMATION/BACKGROUND**

The City of Denton is experiencing significant development in the Clear Creek Basin, situated north of Loop 288, which is creating increased demand for additional wastewater collection and treatment infrastructure in the area. The City's 2023 Wastewater Master Plan highlights two major projects to meet this demand: the Clear Creek Sewer Interceptor and the Clear Creek Water Reclamation Plant (CCWRP). The design of the sewer interceptor is being completed under a separate contract.

Planning for a wastewater facility at this location has been underway for several decades. In 1998, the City completed the Wastewater Treatment Planning Report, which detailed a future need for a treatment solution within the basin. The property intended for the CCWRP was purchased by the Water Department in 2000. In 2002, a Preliminary Design Report was completed for a 0.95-million-gallon-per-day (MGD) facility, which supported the issuance of a partial discharge permit by the Texas Commission on Environmental Quality (TCEQ). By 2003, design efforts had reached approximately 85 percent completion before being paused due to changes in development patterns. In 2025, the site received a full TCEQ discharge permit authorizing a treatment capacity of 10 million gallons per day (MGD).

The CCWRP will be located on City-owned property along Hartlee Field Road and is currently permitted for both lift station and treatment use. As the initial phase of this project, a lift station and force main will be constructed to convey upstream flows to the existing downstream conveyance system, and this facility will ultimately serve as the headworks for the CCWRP.

Design consultants will focus on the Water Reclamation Plant, which will be delivered using the Construction Manager at Risk (CMAR) method. The facility is estimated to cost \$455,000,000 to construct.

To refine this estimate, an Engineer’s Opinion of Probable Construction Cost (OPCC) will be provided as part of the Preliminary Design Report (PDR) portion of this contract. The anticipated project timeline for design is May 2026 through December 2028, followed by construction from December 2028 through December 2032.

This scope includes design and construction services for an advanced water reclamation plant with headworks that incorporate:

- **Headworks Systems** - High-efficiency screening and grit removal to protect downstream processes.
- **Biological Nutrient Removal (BNR)** - Full Biological Nutrient Removal process for enhanced nutrient reduction.
- **Membrane Bioreactor (MBR) Treatment** - Membrane Bioreactor treatment system producing high-clarity, highly treated effluent.
- **Odor Control Systems** - Integrated odor-mitigation systems to reduce operational and community impacts.
- **Ultraviolet (UV) Disinfection** - Ultraviolet disinfection for final pathogen removal.
- **Effluent Quality Standards** - Final water meets or exceeds standards for reuse, environmental discharge, and livestock consumption.
- **Architectural Facility Components** - Building and structural elements supporting the reclamation facility.

To ensure the facility maintains a positive relationship with neighboring properties, the design will incorporate comprehensive odor-control systems and evaluate sound levels to determine whether noise-attenuation measures are necessary to minimize impacts on surrounding properties. The project scope also includes coordination to minimize impact on the existing mountain bike trail through stakeholder outreach and specialized trail design.

**Key Data Summary for Reference**

Category	Detail
<b>Total Estimated Cost</b>	\$455,000,000
<b>Design Phase</b>	May 2026 – December 2028
<b>Construction Services Phase</b>	December 2028 – December 2032
<b>Site History</b>	Purchased Jan 2000; Permitted 2002
<b>TCEQ Discharge Permit</b>	10 MGD Discharge (Received 2025)
<b>Technology</b>	MBR + UV (Pathogen-free/High-quality effluent)

The Water Utility Department is utilizing the approved RFQ 8213 Pre-Qualified List for Professional Engineering Services specializing in Water & Wastewater Infrastructure. The six pre-qualified firms for the project included: Carollo Engineers, Inc., Kimley-Horn and Associates, Inc., Freese and Nichols, Inc., RPS Infrastructure, Inc., Black & Veach Corporation, and CP&Y, Inc. Statement of qualification of the pre-qualified firms for the Water & Wastewater Infrastructure category were re-evaluated based on criteria including overall experience and qualification of the firm, past performance and relevant experience on similar projects, availability and experience of the proposed staff members. In-person interviews were conducted with the top three firms, with a six-member panel of three wastewater personnel, two water utility project managers, and one procurement representative. Based upon this evaluation, Carollo Engineers, Inc. ranked highest for its extensive experience in wastewater treatment and its recognized leadership in reuse projects, backed by decades of delivering reliable, high-performing treatment solutions. Their proven expertise and strong record with facilities of similar scope make them the clear choice for this effort.

Request for Qualifications for an engineering services list for various water and wastewater utilities projects for the Water Utilities Department was solicited using the City’s formal solicitation process. City Council approved a pre-qualified list of professional service firms on March 5, 2024 (Ordinance 24-390).

**PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)**

On March 5, 2024, City Council approved RFQ 8213 for a prequalified list of firms for engineering services for various water and wastewater utilities projects for the Water Utilities Department (Ordinance 24-390).

**RECOMMENDATION**

Award a contract with Carollo Engineers, Inc., for engineering services at Clear Creek Water Reclamation Plant for the Water Utilities Department, in the not-to-exceed amount of \$45,528,839.

**PRINCIPAL PLACE OF BUSINESS**

Carollo Engineers, Inc.  
Dallas, TX

**SUSTAINABILITY MEASURES**

The contract will help the City of Denton with the full engineering design and easement acquisition necessary to permit the city to begin construction of the Clear Creek Water Reclamation Plant project. The new additional infrastructure will increase wastewater capacity in the Clear Creek Basin. The facilities are essential to the safe treatment and discharge of effluent to the sensitive receiving streams.

**ESTIMATED SCHEDULE OF PROJECT**

The Clear Creek Water Reclamation Plant project will begin design in June 2026. The Construction plans are anticipated to be completed in 2031.

**FISCAL INFORMATION**

These services will be funded from the bond of the 5-year Capital Improvement Program, account 640047545.1360.21100. Requisition #174446 has been entered into the Purchasing software system in the amount of \$2,500,000.00 for fiscal year 2026. The remaining amount of \$1,567,722 for the FY26 spend will utilize planned debt issuance. The remaining amount will be budgeted in future fiscal years to align with the contract terms and expenditures.

<b>Fiscal Year</b>	<b>Estimated cash flow</b>	
2025-2026	\$4,067,722	Fiscal Year 2026
2026-2027	\$12,457,778	Fiscal Year 2027
2027-2028	\$13,548,493	Fiscal Year 2028
2028-2029	\$8,688,206	Fiscal Year 2029
2029 – 2030	\$6,766,640	Fiscal Year 2030

The Utility Extendable Commercial Paper program is being used as an appropriation authority for this contract.

## **EXHIBITS**

Exhibit 1: Agenda Information Sheet

Exhibit 2: Presentation

Exhibit 3: Ordinance and Contract

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

For information concerning this acquisition, contact: David Brown, 940-349-8030.

Legal point of contact: Leah Bush at 940-349-8333.