



City of Denton

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

AGENDA INFORMATION SHEET

DEPARTMENT: Materials Management

CM: Todd Hileman

DATE: December 12, 2017

SUBJECT

Consider adoption of an ordinance awarding a contract for radio network design and installation services, the installation of new transmission lines, and the linking of radio communications between seven facilities in relation to the upgrade of the City of Denton Water Production Department's Radio Communication System as awarded by the State of Texas Department of Information Resources (DIR) through the Go DIRect Program, Contract Number DIR-SDD-2678; providing for the expenditure of funds therefor and providing an effective date (File 6518-awarded to Johnston Technical Services, Inc. in the not-to-exceed amount of \$196,496.99). The Public Utilities Board will consider this item on December 11, 2017.

BACKGROUND INFORMATION

Water Production uses licensed and unlicensed microwave radios to communicate to and with all of its facilities. The type of communications used with these radios is data or process control, access control, city network and phones, up to the Lake Ray Roberts plant and security camera feeds. Process control is the primary use of the radios which makes the reliability of these systems very important for the management of the water treatment process and maintenance of the distribution system pressure and water quality. Johnston Technical Services (JTS) has been used exclusively for Water Production microwave radio needs, dating back to 2003.

In 2012, Water Production with the assistance of Malcolm Pirnie Engineers, developed a 5-year master plan for the division's plant supervisory control and radio communication systems. One of the projects identified from this plan addresses the radio system's single source of failure. The recommendation is to design and install a radio system that loops communications between the facilities and eliminates the single source of failure. To create the looping radio network, 4 new radio links will be installed and 3 existing radio links will be relocated (Exhibit 2-Loop Drawing).

The recommended supplier of the radio equipment and maintenance of the equipment, Johnston Technical Services, Inc., provided a quote through the State of Texas Department of Information Resources (DIR) through the Go DIRect Program, which is incorporated into the attached contract (Exhibit 4). Use of the DIR meets State of Texas statutory requirements for competitive bidding (Government Code 2054.0565).

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On December 11, 2017, the Public Utilities Board will consider this item for recommendation to forward to City Council.

RECOMMENDATION

Award to Johnston Technical Services, Inc. in the not-to-exceed amount of \$196,496.99.

PRINCIPAL PLACE OF BUSINESS

Johnston Technical Services, Inc.
Dallas, TX

ESTIMATED SCHEDULE OF PROJECT

The design and installation services are estimated to be completed by summer of 2018.

FISCAL INFORMATION

This project will be revenue funded through Water Production's Capital Improvement Plan Project Account# 630395517.1360.40100. Requisition# 136773 has been entered in the Purchasing software system.

STRATEGIC PLAN RELATIONSHIP

The City of Denton's Strategic Plan is an action-oriented road map that will help the City achieve its vision. The foundation for the plan is the five long-term Key Focus Areas (KFA): Organizational Excellence; Public Infrastructure; Economic Development; Safe, Livable, and Family-Friendly Community; and Sustainability and Environmental Stewardship. While individual items may support multiple KFAs, this specific City Council agenda item contributes most directly to the following KFA and goal:

Related Key Focus Area: **Public Infrastructure**
Related Goal: **2.3 Promote superior utility services and City facilities**

EXHIBITS

Exhibit 1: Agenda Information Sheet
Exhibit 2: Loop Drawing
Exhibit 3: Ordinance
Exhibit 4: Contract

Respectfully submitted:
Karen Smith, 349-7100
Purchasing Manager

For information concerning this acquisition, contact: Randy Markham at 349-7526.