



## City of Denton

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

---

### AGENDA INFORMATION SHEET

**DEPARTMENT:** Materials Management

**CM:** Todd Hileman

**DATE:** December 12, 2017

#### **SUBJECT**

Consider adoption of an ordinance authorizing the City Manager to execute a Professional Services Agreement for engineering design services relating to the design, bid phase, and construction services for the PEC-4 Phases 3 and 4 Drainage Improvements project which includes approximately 2,700 linear feet of reinforced concrete box, 2,300 linear feet of waterline relocation and lowering, 1,700 linear feet of sanitary sewer line relocation and adjustment, and pavement repair from West Prairie Street to the beginning of the open channel near the intersection of West Mulberry Street and Bernard Street; providing for the expenditure of funds therefor; and providing an effective date (File 6625 awarded to Freese and Nichols, Inc. in the not-to-exceed amount of \$1,200,000). The Public Utilities Board will consider this item on December 11, 2017.

#### **BACKGROUND**

The PEC 4 Drainage Improvement project is a multi-phase project listed in the City's Capital Improvement Program with the purpose of flood prevention within a portion of the Pecan Creek Tributary #4. The limits of the project extend along Pecan Creek Tributary 4 from the improved channel at Wainwright Street and Bell Avenue, northwest to Mulberry Street, just east of Bernard (Exhibit 2-Location Map). The general improvements for this project are the installation of an underground storm sewer capable of containing a 100 year flood event. The overall project consists of four (4) phases. Phase 1 and 2 extend from Bell Avenue to Prairie Street just west of Locust Street. These two phases are nearing design completion by Freese and Nichols, Inc. This design contract is for Phases 3 and 4 which extends from Prairie Street to Mulberry Street.

#### **FILE INFORMATION**

Freese and Nichols, Inc. has been selected for the detailed design of this project on the basis of their demonstrated qualifications in storm drainage design projects. Freese and Nichols, Inc. has worked closely with staff to scope and execute other similar projects including the Phase 1 and 2 portions of the PEC 4 Project. They have performed well in the execution of professional engineering services for the City of Denton, delivering projects in a professional and efficient manner. In accordance with Texas Local Government Code 252.022, the procurement of professional services is exempt from the requirement of competition based selection. Therefore, the Capital Projects department requested a proposal directly from Freese and Nichols, Inc.

The proposed engineering contract for this project will be on an hourly basis with a not-to-exceed amount of \$1,200,000. Typical services will include the creation of construction plans for the storm drain

improvements, water and sewer relocations, and street reconstruction improvements, along with bid and construction phase support. Other services included are design survey, hydraulic modeling, creation of easement documents, subsurface utility engineering services, geotechnical services, FEMA coordination, and public involvement.

The preliminary opinion of probable construction cost for the project is approximately \$9,300,000. These numbers will be verified as the design project progresses.

## **RECOMMENDATION**

Staff recommends approval of the Professional Services Agreement between the City of Denton and Freese and Nichols, Inc. in the amount of \$1,200,000 for engineering services associated with the PEC 4 Drainage Improvements Phase 3 and 4 project.

## **PRINCIPAL PLACE OF BUSINESS**

Freese and Nichols, Inc.  
Fort Worth, Texas

## **ESTIMATED SCHEDULE OF PROJECT**

The consultant is prepared to begin the services associated with this Agreement immediately with the goal of completing design by December 2018. Construction will be coordinated with the schedule of Phases 1 and 2 of this project.

## **FISCAL INFORMATION**

This project will be funded from 2007 Certificates of Obligation for drainage improvements along Mingo Road. The Mingo Road project will be funded in a future debt program. Requisition #136965 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:**                **2.4 Manage drainage infrastructure**

## **EXHIBITS**

Exhibit 1: Agenda Information Sheet  
Exhibit 2: Project Map  
Exhibit 3: Ordinance  
Exhibit 4: Contract

Respectfully submitted:  
Karen Smith, 349-7100  
Purchasing Manager

For information concerning this acquisition, contact: Lee Perry, P.E., Senior Engineer, at 349-8938