



## Legislation Text

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**File #:** ID 17-354, **Version:** 1

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### AGENDA INFORMATION SHEET

**DEPARTMENT:** Materials Management

**DCM:** Bryan Langley

**AGENDA DATE:** March 21, 2017

#### SUBJECT

Consider adoption of an ordinance of the City of Denton, Texas, authorizing the City Manager to execute a Professional Services Agreement with DEH Consulting, LTD for Engineering Services related to the Downtown Storm Sewer Improvements Trunk Line, South Bell, and Oak Street Systems project; and establishing an effective date (File 6399 in the not-to-exceed amount of \$113,280).

#### FILE INFORMATION

The Downtown Storm Sewer Improvements Trunk Line, South Bell, and Oak Street Systems project is a follow-through project based on the recently created Denton Downtown Drainage Master Plan. The Denton Downtown Drainage Master Plan was finalized in June of 2013 and was created by the consulting team of Teague Nall and Perkins, Inc. and Halff Associates. The primary objectives of the plan were to evaluate the existing drainage systems, identify problem areas and develop improvement alternatives. In order to evaluate the drainage patterns in a comprehensive manner, a dynamic analysis was performed using specialized software. The analysis looked at the subsurface drainage system using a one dimensional model and the overland flow patterns using a two dimensional model in a simultaneous and interactive manner. The dynamic modeling allowed for an enhanced understanding of the existing drainage patterns and facilitated a more detailed evaluation of the proposed mitigation alternatives.

The purpose of the Denton Downtown Drainage Master Plan is to guide the City's storm drain improvements that will take place as development and re-development occur and as capital projects are implemented. Five groups of projects are recommended by the plan. This Downtown Storm Sewer Improvements Trunk Line, South Bell, and Oak Street Systems Project represents three of them. This project consists of design of the Trunk Line System along the west side of the Union Pacific Railroad (UPRR) east of Bell Avenue between East Hickory Street and East McKinney Street, the South Bell System between East Sycamore Street up Bell Avenue to East Mulberry Street, and the Oak Street System down East Oak Street between Bell Avenue and the north side of the UPRR.

DEH Consulting, LTD has been selected for the detailed design of this project on the basis of demonstrated qualifications in drainage design and hydraulic modeling. DEH Consulting, LTD has worked closely with Engineering and Operations staff to scope and execute other similar projects.

DEH Consulting, LTD has performed well in the execution of professional engineering services for the City of

Denton, delivering projects in a professional and efficient manner. Their qualifications to perform these services have been clearly demonstrated to the satisfaction of staff within the organization. Accordingly, the Capital Projects department requested a proposal directly from DEH Consulting, LTD, and this direct solicitation to a single provider was based on demonstrated and known qualifications. In accordance with Texas Local Government Code 252.022, the procurement of professional services is exempt from the requirement of competition based selection. The proposed fee amount of \$113,280.00 for these professional services was negotiated by staff and is consistent with the level of effort required for a project of this nature (Exhibit 1).

### **RECOMMENDATION**

Approve a Professional Engineering Services agreement with DEH Consulting, LTD in the not-to-exceed amount of \$113,280.00.

### **PRINCIPAL PLACE OF BUSINESS**

DEH Consulting, LTD  
Carrollton, TX

### **ESTIMATED SCHEDULE OF PROJECT**

Final construction documents for the project are anticipated to be issued by DEH Consulting, LTD eleven months after receiving notice-to-proceed from the City of Denton. Based on the March 21<sup>st</sup> City Council date, final construction plans for the project are expected to be ready in February of 2018.

### **FISCAL INFORMATION**

This project will be funded from multiple Drainage Capital Improvement Plan accounts that are associated with each street included in the project.

### **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: Staff Memo  
Exhibit 2: Ordinance  
Exhibit 3: Agreement

Respectfully submitted:  
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For information concerning this acquisition, contact: Frank Payne at 349-8946.