



Legislation Details (With Text)

File #: PUB17-124 **Version:** 1 **Name:**
Type: Public Utilities Board
File created: 5/31/2017 **In control:** Public Utilities Board
On agenda: 6/12/2017 **Final action:**
Title: Consider recommending approval of a Professional Services Agreement for Architect or Engineer between the City of Denton and Kimley-Horn & Associates, Inc. in the amount of \$504,500.00 for Engineering Services associated with the Allred to John Paine Road Water Transmission Line project (Contract #6478).

Sponsors:

Indexes:

Code sections:

Attachments: 1. Exhibit 1 - CIP 2016-Allred Transmission Line, 2. Exhibit 2 - Engineering Scope and Fee -Allred

Date	Ver.	Action By	Action	Result
------	------	-----------	--------	--------

Agenda Information Sheet

DEPARTMENT: Engineering Services

CM/ ACM: Todd Hileman

Date: June 12, 2017

SUBJECT

Consider recommending approval of a Professional Services Agreement for Architect or Engineer between the City of Denton and Kimley-Horn & Associates, Inc. in the amount of \$504,500.00 for Engineering Services associated with the Allred to John Paine Road Water Transmission Line project (Contract #6478).

BACKGROUND

The Allred to John Paine Road Water Transmission Line project will extend approximately 14,000 linear feet of 24-inch to 30-inch water line from the Southwest Pump Station (on John Paine Road) north along John Paine and then east along Allred to the 24-inch water line in Bonnie Brae (see Exhibit 1) and will include the installation of a flow control valve at the Southwest Pump Station site. Also included with this project is an additional redundant feed to be located near Bonnie Brae and US Hwy 377 which will allow for system operational flexibility if one of the Southwest Pump Station water lines is taken out of service. This project is slated for construction in the CIP in FY2018 and is important for reliable and adequate water service to the southwest portion of the City by providing redundancy and flexibility to the Southwest Pump Station in response to projected growth in the area.

Kimley-Horn & Associates, Inc. has been selected for the detailed design of this project on the basis of demonstrated qualifications in water system design projects. Kimley-Horn & Associates, Inc. has worked closely with staff to scope and execute other, similar projects. They have 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 Kimley-Horn & Associates, Inc., and this direct solicitation to a single provider based on demonstrated and known qualifications is consistent with State law for the procurement of professional services.

The proposed engineering fee for this project is \$504,500.00 and includes amounts for Basic Services of \$306,700.00, Additional Services of \$189,500.00 and Reimbursable Expenses of \$8,300.00. The Basic Services consist of creation of construction plans for the water line improvements along with bid and construction phase support. The Additional Services include performance of the design survey, creation of easement documents, subsurface utility engineering services, geotechnical services, permitting and cathodic protection design.

The preliminary opinion of probable construction cost for the project is approximately \$5,960,000.00. These numbers will be verified as the design project progresses.

The following percentages are based on the total engineering fee of \$504,500.00 for the project. Basic Services represent approximately 5.2% of the projected construction cost, and Additional Services plus Reimbursable Expenses represent approximately 3.3% of the projected construction cost. Looking at it another way, the project includes standard services typically performed as part of most design projects and non-standard services not typically performed for most projects. For this project, the standard services include preliminary design, final design, design survey, utility coordination, bid and construction phase support, and direct expenses. These tasks total \$302,800.00 which is 5.1% of the estimated construction cost. For this project, the non-standard services include the schematic design, boundary and construction survey services, easement documents, subsurface utility engineering services, geotechnical services, permitting, and cathodic protection design. These tasks total \$201,700.00 or 3.4% of the estimated construction cost.

OPTIONS

1. Approve the Professional Services Agreement.
2. Reject the Professional Services Agreement.

RECOMMENDATION

Staff recommends approval of the Professional Services Agreement between the City of Denton and Kimley-Horn & Associates, Inc. in the amount of \$504,500.00 for Engineering Services associated with the Allred to John Paine Road Water Transmission Line project. The amount of the contract is consistent with the level of effort required for a project of this nature.

ESTIMATED SCHEDULE OF PROJECT

The consultant is prepared to begin the services associated with this Agreement immediately with the goal of completing design in early 2018 to facilitate construction to begin Spring 2018 (pending easement acquisitions).

PRIOR ACTION/REVIEW (Council, Boards, Commissions)

None.

FISCAL INFORMATION

Water Utilities project number 630385523 will be utilized for this project.

BID INFORMATION

N/A

DATE SCHEDULED FOR COUNCIL APPROVAL

June 20, 2017

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:	5.1 Manage Denton's water resources

EXHIBITS

1. Project Map
2. Engineering Services Scope and Fee

Respectfully submitted:
Lee Perry, P.E.
Senior Engineer - Water
Capital Projects