



## CITY COUNCIL MEMORANDUM

**FROM:** The Office of the City Manager   **DATE:** March 23, 2020  
**SUBJECT:** Consider a professional services agreement with Lee Engineering in an amount not to exceed \$99,770 for the Northeast Parkway / Davis Boulevard Intersection Project (ST2003).  
**PRESENTER:** Caroline Waggoner, Director of Public Works

### **SUMMARY:**

Council is being asked to consider a professional services agreement with Lee Engineering for engineering design services for a traffic signal at the intersection of Northeast Parkway and Davis Boulevard.

### **GENERAL DESCRIPTION:**

The project consists of engineering and construction of a traffic signal at the corner of Northeast Parkway and Davis Boulevard. Northeast Parkway currently exists only to the east of Davis Boulevard. With the reconstruction and expansion of Smithfield Elementary, the City of North Richland Hills and BISSD worked together to propose an extension of Northeast Parkway to the west to serve the new campus and to provide a roadway connection between Davis and Smithfield as envisioned in the TOD regulating plan. This extension will create sufficient cross traffic to require a signal at Davis Boulevard.

Staff followed city policy for procuring professional services for the design of this project. Requests for qualifications were sent to local engineering firms and advertised on the city's website. Eight firms responded by submitting statements of qualifications to the city. After review, staff selected Lee Engineering as the most qualified firm for the project.

The engineering agreement outlines the scope of work in Exhibits B, C and D. Listed below are the key items within the scope of work:

- Perform a warrant study to support the installation of a traffic signal in compliance with State and Federal requirements;
- Analyze traffic to determine if a deceleration lane will be required for southbound Davis Boulevard at the intersection;
- Coordinate with TxDOT to obtain permission and permits needed for the improvements;
- Design the traffic signal and, if needed, the deceleration lane.

The Public Works Department negotiated a design fee of \$99,770. This basic services fee consists of project management, engineering design, bidding and construction phase



assistance. The additional services fee consists of a field survey, subsurface utility engineering, and design of the deceleration lane (if needed).

Basic Services	\$ 33,300
Additional Services	<u>\$ 66,470</u>
<b>Total Design Fee</b>	<b>\$ 99,770</b>

The total amount of the professional services agreement for this project is \$99,770. The current project budget was developed with a slightly smaller project scope, as it did not anticipate the extent of TxDOT coordination that will be needed to secure permits based on the future connection, for not only the signal, but also a potential deceleration lane. There is sufficient funding for the design services in the project budget, although additional construction funding may be needed to cover the expanded project scope in the future once the design has been completed and the project is bid. The project schedule anticipates that construction will commence on the signal no later than spring 2021.

Funding for this project was included in the FY 2019-20 Adopted Budget in the Northeast Parkway / Davis Boulevard Intersection Project (ST2003).

**RECOMMENDATION:**

Approve a professional services agreement with Lee Engineering an amount not to exceed \$99,770 for engineering services for the Northeast Parkway / Davis Boulevard Intersection Project (ST2003).