

## MEMORANDUM

**TO:** Claire Powell, City Manager

**FROM:** David Salmon, P.E., City Engineer

**VIA:** Jim Proce, ICMA-CM, Assistant City Manager

**DATE:** August 18, 2025

**SUBJECT:** **Approval of a Professional Services Agreement with Kimley-Horn and Associates, Inc., in the Amount of \$59,000 for Design Services Related to the Traffic Signal at the Intersection of FM 544 and the Killian Middle School Driveway and Authorization for the City Manager, or Her Designee, to Execute the Agreement.**

### **BACKGROUND**

Each year, the Texas Department of Transportation (TxDOT) issues a Notice of Funding Opportunity for the federally funded Highway Safety Improvement Program (HSIP). Managed by TxDOT, the HSIP is designed to significantly reduce traffic fatalities and serious injuries on all public roads by implementing a standardized process for identifying and addressing specific traffic safety concerns across the state. In response to the 2025 HSIP call, the City of Lewisville submitted a proposed safety project for a traffic signal at FM 544 and the Killian Middle School driveway to the TxDOT Dallas District. This on-system project includes the installation of a traffic signal and other safety enhancements at the intersection of FM 544 and Killian Middle School driveway.

### **ANALYSIS**

The intersection of FM 544 and the Killian Middle School driveway experiences significant congestion and queuing during school hours, resulting in ongoing safety concerns. FM 544 is a heavily traveled corridor with a posted speed limit of 50 mph. Queue spillbacks from the turning lanes that approach the school driveway frequently block through lanes, creating unexpected conditions for drivers and contributing to multiple reported crashes. While the City has implemented several countermeasures, including a designated school zone and advance warning signage, the intersection remains a safety concern.

In March 2024, City staff conducted a traffic signal warrant analysis for the location, which was reviewed and approved by TxDOT. The City of Lewisville's application for the 2025 HSIP program was subsequently approved by TxDOT in March 2025. The estimated construction cost of the project is \$571,972, which will be fully funded and managed by TxDOT. The City will be responsible for the project's design cost. City staff have negotiated a professional services agreement (PSA) with Kimley-Horn and Associates in the amount of \$59,000 for the design phase of the project. Funding for signal design is available in the Traffic Signal Improvements capital project G2017.

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**CITY STAFF'S RECOMMENDATION**

That the City Council approve the agreement and authorize the City Manager, or her designee, to execute the agreement as set forth in the caption above.