

MEMORANDUM

TO: Claire Powell, City Manager

FROM: Sirwan Shahooei, P.E., City Traffic Engineer

VIA David Salmon, P.E., City Engineer
Jim Proce, ICMA-CM, Assistant City Manager

DATE: January 27, 2025

SUBJECT: **Approval of a Resolution of The City Council of The City of Lewisville, Texas, Approving an Agreement for the Furnishing of Signal Traffic Equipment by a Municipality with the State of Texas, Acting Through the Texas Department of Transportation; and Providing an Effective Date, and Authorize the City Manager or Her Designee to Execute the Agreement.**

BACKGROUND

TxDOT is getting ready to bid interchange improvements on IH35E at Corporate Drive and IH35E and BUS 121. In addition, and as part of the interchange construction at BUS 121, TxDOT will also be realigning the intersection of Mill Street with BUS 121. TxDOT will be providing new traffic signals at each of these locations. Staff has determined that furnishing specific traffic signal control equipment directly to the TxDOT contractor for these intersections within the city is the most cost-effective, will best promote future communication and progression efforts and best serves the public interest.

ANALYSIS

The City of Lewisville is interested in providing traffic signal equipment for the IH35E at Corporate Drive (CSJ 0196-02-126), IH35E at BUS 121 (CSJ 0196-02-127), and BUS 121 at Mill Street (CSJ 0364-03-101) projects. The traffic signal equipment includes signal cabinets, controllers, malfunctioning monitoring units, battery back-up units, accessible pedestrian signals, communication equipment, and video detection equipment. The City of Lewisville would purchase the subject equipment and then be reimbursed by TxDOT through the subject Advance Funding Agreement (AFA). The total reimbursement amount for all three intersections is \$284,526.55. This amount includes the cost of all traffic signal equipment to be furnished by the City for the subject intersections and will be paid 100% through federal/state funds. This approach allows the City to maintain compatibility with its current traffic signal infrastructure and facilitates reimbursement by TxDOT through a standard agreement.

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CITY'S STAFF RECOMMENDATION

That the City Council approve the resolution as set forth in the caption above.