

MEMORANDUM

TO: Donna Barron, City Manager

FROM: David Salmon, PE, City Engineer

VIA: Eric Ferris, Deputy City Manager

DATE: October 1, 2018

SUBJECT: **Approval of an Amendment to the Interlocal Cooperation Agreement for the Operation and Maintenance of Traffic Signals Between the Texas Department of Transportation and the City of Lewisville to Add the Maintenance of the Traffic Signals on Interstate Highway 35E (IH 35E) at Turbeville Road/Hundley Drive in the cities of Hickory Creek and Lake Dallas; and at Lake Dallas Drive/Oak Drive in the Town of Hickory Creek; and Authorize the City Manager to Execute the Agreement.**

BACKGROUND

The Texas Department of Transportation (TxDOT) is responsible for maintenance of traffic signals on State roadways within cities of less than 50,000 population as those smaller cities generally do not have adequate staff capabilities. Once a city surpasses the 50,000 population threshold, TxDOT requires the City to maintain on system signals on non-controlled access roadways with no reimbursement and typically enters into a reimbursement agreement with that City for it to take over the maintenance of the on system signals along the controlled access roadways. The City of Lewisville has served as a partner to the Texas Department of Transportation for the maintenance of the TxDOT traffic signals within the City and several surrounding cities of less than 50,000 population since 1999. Lewisville's agreement covers TxDOT signals within the following cities:

- The Colony
- Coppell
- Corinth
- Hickory Creek
- Lake Dallas

The history of the Inter-local Cooperation Agreement with TxDOT is as follows:

- 1996 – TxDOT notifies staff to prepare to take over traffic signal maintenance within the City limits under Order No. 85777 when the population census exceeds 50,000

- 97/1998 –City approves annual budget to maintain 31 TxDOT signals inside Lewisville
- 1998 – TxDOT requests the City to contract maintenance of TxDOT signals in area cities with less than 50,000 population
- 98/99 – City approves annual budget to maintenance 29 signals in area cities
- March 1, 1999 - Council approves Inter-local Cooperation Agreement
- August 26, 1999 – Inter-local Cooperation Agreement signed by member cities and TxDOT
- February 28, 2001 – TxDOT amends the agreement when Flower Mound reaches 50,000 population and assumes maintenance of the state signals within their City limits
- 2009 – TxDOT submits new agreement with a revised location list and increased reimbursement rates.
- February 6, 2012 – Amendment to the Interlocal Agreement to add the intersection of FM 2181 and FM 2499 in the City of Corinth
- January 26, 2017 – Amendment to the Interlocal Agreement to add the intersections of Lake Highlands Dr and Lone Star Ranch Pkwy on FM 423 in the City of The Colony.

The City of Lewisville presently maintains signals along the IH 35E corridor outside the city limits including the signals at Swisher Road; at Corinth Parkway; and at Post Oak Boulevard; As part of the recently completed I-35Express project, TxDOT constructed two additional signals on IH 35E at the Turbeville Road/Hundley Drive interchange, and at the Lake Dallas Drive/Oak Drive interchange. There are no changes proposed for any of the other cities included in the agreement.

The City of Lewisville is not required by TXDOT to maintain signals outside the city limits within smaller cities, however the interlocal agreement is beneficial to TXDOT and the small cities included in the interlocal agreement because the City of Lewisville can be more responsive to the signal needs in these small cities than TXDOT could. All TXDOT's local signal maintenance is housed in the district facility in Mesquite. As The City of the Colony is over 50,000 population, it will drop out of the interlocal agreement after the 2020 census.

ANALYSIS

The cities of Hickory Creek and Lake Dallas are below the population threshold of fifty thousand residents. Thus, TxDOT has requested that the City of Lewisville add these two new signals to the others already maintained by the City on IH 35E.

The annual reimbursement from TxDOT to the City of Lewisville for maintaining the traffic signals on controlled access highways outside the City jurisdiction is as follows:

Diamond Interchange with One (1) Controller:	\$4,195.00 per year
Diamond Interchange with Two (2) Controllers:	\$5,120.00 per year

The signalized intersection of IH 35E at Turbeville Road/Hundley Drive is a diamond interchange with two (2) controllers. So, the annual reimbursement from TxDOT for this new signal location will be \$5,120 per year.

The signalized intersection of IH 35E at Lake Dallas Drive/Oak Drive is a diamond interchange with one (1) controller. So, the annual reimbursement from TxDOT for this new signal location will be \$4,195 per year.

The above reimbursement costs were renegotiated in the year 2009 and were developed by the Public Services Department based on equipment costs and man-hours for engineering and maintenance.

Future Termination of Maintenance Agreement with the City of Lake Dallas

City of Lewisville currently has a standalone maintenance agreement with the City of Lake Dallas to maintain the traffic signal at Hundley Drive and Denton Drive. The annual reimbursement amount for this intersection from the City of Lake Dallas is \$1,000. With the I-35Express project, this intersection became a part of the IH-35E at Turbeville Road/Hundley Drive interchange and thus a part of the TxDOT right-of-way.

Upon the approval of this interlocal agreement by all the member cities and TxDOT, the City of Lewisville will terminate the maintenance agreement with the City of Lake Dallas for this intersection.

Other changes made by TxDOT at traffic signals with the I-35Express project

With the I-35Express project, the type of traffic signals at the following two (2) locations have been modified from diamond interchanges with two (2) controllers to diamond interchanges with one (1) controller:

1. IH 35E at Corinth Parkway
2. IH 35E at Post Oak Boulevard

This change indicates that the annual reimbursement from TxDOT to the City of Lewisville for these two (2) locations will be reduced from \$5,120 to \$4,195 for each location.

If Council authorizes the City Manager to execute the amendment to the Interlocal Cooperation Agreement, it will then be forwarded to each member City for signature. This item is considered an administrative action and was not submitted to the Transportation Board.

RECOMMENDATION

It is City Staff's recommendation that the City Council approve the amendment as set forth in the caption above.