



ENGINEERING SERVICES

To: Mayor and Town Council

From: Pete Anaya, P.E., Assistant Director of Engineering – Capital Projects

Through: Mario Canizares, Town Manager
Chuck Ewing, Assistant Town Manager
Hulon T. Webb, Jr., P.E., Director of Engineering Services

Re: Traffic Signal Conduit and Span Wire Pole Relocation
DNT / Frontier Parkway Intersection

Town Council Meeting – September 24, 2024

Strategic Visioning Priority: 1. Acceleration of Infrastructure

Agenda Item:

Consider and act upon authorizing the Town Manager to enter into an agreement with Mels Electric, LLC, related to relocating existing traffic signal conduits and span wire poles at DNT / Frontier Parkway Intersection project; and authorizing the Town Manager to execute documents for \$155,999.45.

Description of Agenda Item:

The Town has been coordinating with NTTA for the extension of the DNT main lanes from the US 380 overpass north through the Town of Prosper and was notified of conflicts with the existing traffic signal conduits and span wire wood poles with proposed construction of the Frontier Parkway overpass by NTTA. The existing conduit was installed long before final plans for the DNT main lanes were designed, therefore, there was no way to accurately place the conduit in a location that did not conflict with the future lanes.

The proposed scope of work involves the relocation of approximately 940 linear feet (LF) of PVC conduit, 3,600 LF of electrical conductor, 2,250 LF of communication conductors, 1,050 LF of opticom detector cable, additional vehicle signal heads, and the relocation of four 40-foot poles with luminaires, at both southbound and northbound intersections of Frontier Parkway and the DNT frontage roads. Since time is of the essence to resolve the conflicts and not impact the construction schedule for the expansion of the DNT main lanes project, the Engineering Department contacted the City of Garland to utilize their existing purchase order for “Traffic Signal Installations / Modernizations” from Mels Electric, LLC. The Town is able to utilize the City of Garland’s purchase order with Mels Electric, LLC, under an existing Interlocal Agreement with the Collin County Governmental Purchase Forum. This not only allows the Town to save time, it has also allowed the Town to save approximately 15% in costs when compared to previous unit costs for new installation work.

The Town has previously used Mels Electric, LLC, on several Town projects with satisfactory results. Upon approval, they will mobilize to the construction site within 30 days and be complete with the relocations in 90 days from mobilization.

Budget Impact:

This cost for the construction of the project is \$155,999.45. The construction budget for the project is \$200,000 in Account No. 750-6610-10-00-2317-TR.

Legal Obligations and Review:

Terrence Welch of Brown & Hofmeister, L.L.P., has approved the attached documents as to form and legality.

Attached Documents:

1. Proposal from Mels Electric, LLC
2. Location Map

Town Staff Recommendation:

Town Staff recommends that the Town Council approve an agreement with Mels Electric, LLC, related to relocating existing traffic signal conduits and span wire poles at DNT / Frontier Parkway Intersection project; and authorizing the Town Manager to execute documents for \$155,999.45.

Proposed Motion:

I move to authorize the Town Manager to execute an agreement with Mels Electric, LLC, related to relocating existing traffic signal conduits and span wire poles at DNT / Frontier Parkway Intersection project; and authorize the Town Manager to execute documents for \$155,999.45.