



ENGINEERING SERVICES

To: Mayor and Town Council

From: Hulon T. Webb, Jr., P.E., Director of Engineering Services

Through: Mario Canizares, Town Manager
Chuck Ewings, Assistant Town Manager

Re: Agreement with Consolidated Traffic Controls, Inc.
Repair of Preston Road Traffic Signal Preemption Equipment

Town Council Meeting – May 28, 2024

Strategic Visioning Priority: 4. Provide Excellent Municipal Services

Agenda Item:

Consider and act upon authorizing the Town Manager to approve an agreement for repairs to the traffic signal preemption equipment on Preston Road with Consolidated Traffic Controls, Inc., utilizing the Houston-Galveston Area Council (HGAC) Cooperative Purchasing Program for \$82,557.00.

Description of Agenda Item:

The Fire Department and Public Works Department have been coordinating on assessing the failures with the Town's preemption equipment (opticom) on the traffic signals on Preston Road. After a thorough assessment, it was identified that some of the aged equipment was not functioning properly. In addition, there are several problematic areas where the opticom system is not effectively triggered due to curves in the road or other physical factors. This request is to install new opticom detector heads on all signal arms at the identified locations along Preston Road and the intersecting thoroughfares. New heads will ensure they are mounted in such a way that they are centered on the approach and aligned with the direction of travel for emergency vehicles. By addressing the installation location issues, replacing aged equipment, and ensuring proper alignment of the opticom detector heads, the effectiveness of the traffic signal preemption will be improved for emergency response vehicles, ultimately reducing response times and enhancing overall safety on the road.

Local governments are authorized by the Interlocal Cooperation Act, V.T.C.A. Government Code, Chapter 791, to enter into joint contracts and agreements for the performance of governmental functions and services, including functions normally associated with the operation of government (such as purchasing necessary materials and equipment).

The Town of Prosper and HGAC entered into an Interlocal Agreement, effective January 4, 2001, which allows our local government to purchase certain goods or services through HGAC. The agreement automatically renews each fiscal year, unless cancelled by either party.

Budget Impact:

The proposal is \$82,557 and funding in the amount of \$85,000 will be transferred from the \$1,000,000 approved in FY2024 for Traffic Improvement Projects, Account No. 750-6610-10-00-2335-ST to Account No. 750-5410-10-00-2414-TR.

Prior to this agreement, the following projects received funding from the \$1,000,000 Traffic Improvement Projects budget.

- In October 2023, \$22,800 was allocated for the design of the Windsong Parkway/US 380 Dual Left Turns project.
- In March 2024, a Professional Engineering Services Agreement was approved for the Legacy Drive Traffic Signals and First Street/Windsong Parkway Intersection Analysis project in the amount of \$128,000.

Upon the approval of this agreement, there will be \$764,200 remaining in the Traffic Improvement Project budget which will be used to fund the following projects:

- Construction of the Windsong Parkway/US 380 Dual Left Turns project (\$130,000 estimated).
- Construction of the traffic signal at the intersection of First Street and Legacy Drive (\$465,000 estimated).
- The remainder of \$169,200 towards partial funding of the HAWK signal at First Street and Chaucer (\$230,000 estimated).

Legal Obligations and Review:

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

Attachments:

1. HGAC Contract Pricing Worksheet

Town Staff Recommendation:

Town Staff recommends that the Town Council authorize the Town Manager to approve an agreement for repairs to the traffic signal preemption equipment on Preston Road with Consolidated Traffic Controls, Inc., utilizing the Houston-Galveston Area Council (HGAC) Cooperative Purchasing Program for \$82,557.00.

Proposed Motion:

I move to authorize the Town Manager to approve an agreement for repairs to the traffic signal preemption equipment on Preston Road with Consolidated Traffic Controls, Inc., utilizing the Houston-Galveston Area Council (HGAC) Cooperative Purchasing Program for \$82,557.00.