



AGENDA MEMORANDUM

Action Item for the City Council Meeting of August 20, 2019

DATE: July 24, 2019

TO: Peter Zanoni, City Manager

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Engineering Design Contract
2018 TxDOT Highway Safety Improvement Program
Texas Department of Transportation Grant and Street Bond 2016

CAPTION:

Motion awarding a contract to Freese Nichols, Inc. in the amount of \$92,762 for the 2018 Highway Safety Improvement Program (HSIP) to design five new and eleven upgraded traffic signals at four locations funded by the Texas Department of Transportation (TxDOT) and Street Bond 2016. (Council Districts 2 and 3)

PURPOSE:

To award an engineering services contract to design signal improvements for locations that qualify for construction funding through a TxDOT Highway Safety Improvement Program grant.

BACKGROUND AND FINDINGS:

The Texas Department of Transportation's (TxDOT) Highway Safety Improvement Program (HSIP) provides grant funding for highway safety projects that eliminate or reduce the number of severe traffic collisions. HSIP funding provides for construction costs only with a 90/10 participation by State/Local Governments respectively. The Local Government is responsible for all other costs such as design, right of way, permitting, and TxDOT administrative fees. The HSIP grant requires the construction project be advertised and awarded by TxDOT.

In 2014, the City received a grant that is currently under construction through TxDOT with an estimated total construction value of \$7,798,776. The City match was from Street Bond 2014 for TxDOT Participation.

In 2018, the City applied for the 2018 HSIP grant program for nine (9) existing signals at various locations. The locations were based on accidents reported in 2015, 2016 and 2017. TxDOT approved four of the nine locations for the 2018 HSIP grant with a total estimated construction cost is \$797,258. TxDOT participation is \$717,532 with a City match of approximately \$279,726. The City match includes \$79,258 (10% of estimated construction cost) plus TxDOT administrative cost of approximately \$200,000. The City's match and this item are programmed in the Bond 2016 TxDOT Participation Funds. The four approved intersection locations are listed below:

1. Horne Road at Ayers Street – Three traffic signal equipment upgrades and one new pole, mast arm, signal head and equipment. (District 2)
2. Horne Road at Port Avenue - Four traffic signal equipment upgrades. (District 2 & 3)
3. Tarlton Street at Port Avenue – Four new traffic signal equipment replacements. (District 3)
4. Staples Street at Holly Road – Four traffic signal equipment upgrades. (District 3)

This item provides for the engineering and design services in the amount of \$92,762 to prepare the plans, specifications, estimates, and related documents. The City is responsible for all design cost. The traffic signal upgrades include replacement of signal heads, pedestrian heads, pedestrian poles, electrical wiring, ground boxes, detections systems, controller cabinets, and miscellaneous related improvements. The one new traffic signal replacement includes new pole, mast arm and all associated equipment.

A subsequent Advanced Funding Agreement (AFA) will be presented to City Council for approval upon sufficient completion of the design to better define the scope and cost. The AFA and final design will be submitted to TxDOT for approval and construction.

ALTERNATIVES:

1. Authorize the execution of an engineering design contract. (Recommended)
2. Do not authorize the execution of an engineering design contract. (Not Recommended)

OTHER CONSIDERATIONS:

Freese and Nichols, Inc., was selected through Request for Qualifications (RFQ) No. 2016-06.

CONFORMITY TO CITY POLICY:

Conforms to City Fiscal Policy

EMERGENCY / NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

None

FINANCIAL IMPACT:

Capital Revenue Operating Not applicable

Fiscal Year 2018-2019	Project to Date Expenditures	Current Year	Future Years	TOTALS
Line Item Budget		386,973		386,973
Encumbered / Expended Amount				
This Item		92,762		92,762
Future Anticipated Expenditures This Project		294,211		294,211
BALANCE		0		0

Fund: Street 2018 GO BD 2016 Fund 3554
Project No.: T17031
Account: 550950
Activity: T17031-01-3554-EXP

RECOMMENDATION:

City Staff recommends approval of an engineering design contract with Freese and Nichols, Inc., for the 2018 TxDOT Highway Safety Improvement Program project. The design phase is planned to start in September with completion in June 2020. TxDOT will determine the schedule for the bidding, award and construction phase for the project as part of the AFA.

LIST OF SUPPORTING DOCUMENTS:

Location Map
Contract
Presentation