



## **AGENDA MEMORANDUM**

Future Item for the City Council Meeting of March 8, 2016  
Action Item for the City Council Meeting of March 29, 2016

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**DATE:** February 18, 2016

**TO:** Ronald L. Olson, City Manager

**THRU:** Mark Van Vleck, P.E., Assistant City Manager, Public Works and Utilities  
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<p style="text-align: center;"><b>Engineering Design Contract</b> 2014 Highway Safety Improvement Program</p>
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### **CAPTION:**

Motion authorizing the City Manager or designee to execute the engineering design, bid and construction phase services contract with Maldonado-Burkett Intelligent Transportation Systems, LLP (MBITS) of Corpus Christi, Texas in the amount of \$668,956.56 for the design of traffic signals approved in the 2014 Highway Safety Improvement Program grant.

### **PURPOSE:**

The purpose of this Agenda Item is to execute the engineering design contract with Maldonado-Burkett Intelligent Transportation Systems, LLP (MBITS) for the design of forty-four (44) traffic signals, including six (6) new traffic signals and thirty eight (38) traffic signal upgrades.

### **BACKGROUND AND FINDINGS:**

In 2014, the City applied for and received a \$5.7 million grant from Texas Department of Transportation's (TxDOT) Highway Safety Improvement Program (HSIP). The HSIP provides grant funding for highway safety projects that eliminate or reduce the number and severity of traffic crashes. HSIP funding is 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 City will fund this design contract from the voter approved Bond 2014 Proposition 2 - Traffic Signals and Lighting Improvements (City Wide) project. The City participation for the construction match will be funded through the voter approved Bond 2014 Proposition 2 – Traffic Signals and Lighting Improvements and the respective bond Street Reconstruction projects from Bond 2012 and

Bond 2014 accordingly.

To receive the actual grant the applicant must provide detailed scope and design documents to TxDOT. City staff evaluated locations for coordination with Bond 12 and 14 street projects and completed the preliminary design under a previous small contract with MBITS. As a result, it was determined that eleven (11) locations would meet all requirements of the HSIP within the City's available resources and to receive the grant match.

The grant requires that the project be advertised and awarded by TxDOT. An Advanced Funding Agreement is required and will be presented to City Council for approval and appropriation of the grant proceeds upon completion of the design phase and confirmation of pricing/funding.

This project provides for the engineering services for the design to prepare the plans, specifications and estimates and related documents for the eleven locations with subsequent bid and construction phase support. The upgrades include replacement of signal and pedestrian heads, pedestrian poles, electrical wiring, ground boxes, detections systems, and controller cabinets necessary to improve functionality and safety for public transportation. The following is a summary of the locations:

1. Agnes Street Corridor from McBride to 19<sup>th</sup> St (4 new & 2 upgrades)
2. Alameda Street Corridor from Glazebrook to Texan Trail (2 upgrades)
3. Ayers Street Corridor from McArdle to Port (1 new & 2 upgrades)
4. Baldwin Blvd. Corridor from Airport to Crosstown (4 upgrades)
5. Doddridge Street Corridor from Alameda to Ocean (3 upgrades)
6. Greenwood Drive Corridor from South Padres Island Drive to Gollihar (4 upgrades)
7. Kostoryz Road Corridor from McArdle to Norton (6 upgrades)
8. Port Ave. Corridor from Tarlton to Ruth (1 new & 3 upgrades)
9. Staples Street Corridor from Mustang to Carmel Parkway (5 upgrades)
10. Weber Road Corridor from McArdle to Gollihar (2 upgrades)
11. Ocean Drive Corridor from Peoples Street to Louisiana (5 upgrades)

MBITS was selected through the Request for Qualifications (RFQ) No. 2014-08. MBITS was issued and completed the preliminary phase design in December 2015.

**ALTERNATIVES:**

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

**OTHER CONSIDERATIONS:**

None

**CONFORMITY TO CITY POLICY:**

Conforms to City Fiscal Policy

**EMERGENCY / NON-EMERGENCY:**

Non-Emergency

**DEPARTMENTAL CLEARANCES:**

None

**FINANCIAL IMPACT:**

☒ Capital      ☐ Revenue      ☐ Operating      ☐ Not applicable

<b>Fiscal Year 2015-2016</b>	<b>Project to Date Expenditures</b>	<b>Current Year</b>	<b>Future Years</b>	<b>TOTALS</b>
Line Item Budget		\$732,312.38		\$732,312.38
Encumbered / Expended Amount		37,063.57		37,063.57
This Item		668,956.56		668,956.56
Future Anticipated Expenditures This Project		26,292.25		26,292.25
BALANCE		\$0.00		\$0.00

Fund(s): Street CIP

**RECOMMENDATION:**

City Staff recommends approval of engineering design, bid and construction phase services contract with Maldonado-Burkett Intelligent Transportation Systems, LLP (MBITS) in the amount of \$668,956.56 for the Highway Safety Improvement Program project.

**LIST OF SUPPORTING DOCUMENTS:**

Project Budget  
Location Map  
Contract  
Presentation  
Form 1295