



## **AGENDA MEMORANDUM**

Future Item for the City Council Meeting of July 11, 2017  
Action Item for the City Council Meeting of July 18, 2017

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**DATE:** July 3, 2017

**TO:** Margie C. Rose, City Manager

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| <p style="text-align: center;"><b><u>Construction Contract</u></b><br/><b>Traffic Signals and Lighting Improvements</b><br/><b>Bond 2014 Proposition 2</b></p> |
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**CAPTION:**

Motion authorizing the City Manager, or designee, to execute a construction contract with Austin Traffic Signal Construction Company, Inc. of Pflugerville, Texas in the amount of \$1,901,608.50 for the Traffic Signals and Lighting Improvements Project for the base bid. (Bond 2014 Proposition 2)

**PURPOSE:**

The purpose of this Agenda Item is to obtain authority to execute a construction contract for the Traffic Signals and Lighting Improvements Project.

**BACKGROUND AND FINDINGS:**

The Street Department continues their efforts to improve and upgrade the City's traffic signal network to reduce accidents, travel times, fuel consumption and vehicle emissions with this Bond 2014 project. There are currently 247 signalized intersections maintained and operated by the City.

This is the second signal project under Bond 2014 Proposition 2. The first project was accelerated and completed in 2017 for the Commodores/Park Road 22 Intersection extending the left-turn lane queuing space for vehicle stacking.

**Bond 2014 Brochure description:** “This includes various Citywide traffic operation improvements, including traffic signals and capacity work such as: new traffic signals (5 total) that meet signal warrants (e.g. Ennis Joslin and McArdle; Flour Bluff and Purdue), span wire traffic signal replacements with mast arm pole assemblies (up to 10 of the 30 remaining in the City), Ennis Joslin corridor (traffic signal hardware and software upgrades, traffic signals coordination), Citywide traffic signals wireless communication, Citywide school zones wireless communication, traffic signal controller upgrades, traffic signal controller cabinet upgrades, radar detection systems, signal head replacements, Park Road 22 at Commodores eastbound left turn bay extension, and Park Road 22 at Whitecap eastbound left turn bay extension.”

**Project Scope:**

This project includes 10 intersections - one new signal and nine signal upgrades from aerial span wire to mast arm installation. Six of the locations will go online once the latest technology equipment has been installed, increasing online communications. The project includes new foundations, mast arms poles, signal heads, pedestrian push button poles, pedestrian signal heads, conduits and conductors, controllers, cabinets, electrical service, signage, ADA ramps, crosswalk striping, and miscellaneous improvements at the 10 prioritized intersections listed below:

- |                                 |                                |
|---------------------------------|--------------------------------|
| 1. Flour Bluff @ Purdue         | 6. Leopard @ Palm              |
| 2. Santa Fe @ Texan Trail       | 7. Leopard @ Battlin' Buc      |
| 3. Staples @ Brownlee           | 8. Nueces Bay @ Buddy Lawrence |
| 4. Ayers @ Roosevelt            | 9. Leopard @ Lantana           |
| 5. Horne @ Columbia /Airport Rd | 10. McKinzie @ Haven           |

Of the 247 citywide intersections, currently 165 are equipped to communicate with the Traffic Management Center (TMC). This project will add 6 more intersections for a new total of 171.

This project was developed with a single base bid. On May 24, 2017, the City received proposals from three (3) bidders and the bids are as follows:

| Contractor  | Base Bid                     |
|---|------------------------------|
| Austin Traffic Signal Construction Company, Inc.<br>Pflugerville, Texas | \$1,901,608.50               |
| D & G Energy Corporation<br>McAllen, Texas                              | \$2,271,109.00               |
| Siemens Industry, Inc.<br>Austin, Texas                                 | \$2,411,489.25               |
| <b><i>Engineer's Opinion of Probable Cost</i></b>                       | <b><i>\$1,772,029.10</i></b> |

**ALTERNATIVES:**

1. Authorize execution of a construction contract. (Recommended)
2. Do not authorize execution of a construction contract. (Not Recommended)

**OTHER CONSIDERATIONS:**

Maldonado-Burkett ITS is the design engineer that was selected for this project under RFQ 2014-08.

**CONFORMITY TO CITY POLICY:**

Complies with statutory requirements for construction contracts. Conforms to FY 2016-2017 Street Capital Improvement Planning (CIP) Budget.

**EMERGENCY / NON-EMERGENCY:**

Not applicable

**DEPARTMENTAL CLEARANCES:**

Street Department

**FINANCIAL IMPACT:**

☐ Operating      ☐ Revenue      ☒ Capital      ☐ Not applicable

| <b>Fiscal Year<br/>2016-2017</b>                   | <b>Project to Date<br/>Budget and<br/>Expenditures</b> | <b>Current Year</b> | <b>Future Years</b> | <b>TOTALS</b>       |
|--|--|---------------------|---------------------|---------------------|
| Budget   |  | \$5,000,000.00      |                     | \$5,000,000.00      |
| Encumbered /<br>Expended Amount                    |  |                     |                     |                     |
| <b>This item</b>                                   |  | <b>1,901,608.50</b> |                     | <b>1,901,608.50</b> |
| Future Anticipated<br>Expenditures This<br>Project |  | 1,463,455.50        |                     | 1,463,455.50        |
| BALANCE  |  | \$1,634,936.00      |                     | \$1,634,936.00      |

Fund(s): Street Bond 2014, Proposition Two

**Comments:** N/A

**RECOMMENDATION:**

City staff and Maldonado-Burkett ITS recommend the construction contract be awarded to Austin Traffic Signal Construction Company, Inc. in the amount of \$1,901,608.50 for the base bid for the Traffic Signals and Lighting Improvements project.

**LIST OF SUPPORTING DOCUMENTS:**

Project Budget  
Location Map  
Presentation  
Form 1295  
Letter of Recommendation