



City of League City, TX

300 West Walker
League City TX 77573

Text File

File Number: 21-0287

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Status: Consent Agenda

In Control: Public Works

File Type: Agenda Item

Agenda Number: 9B.

Title

Consider and take action on a resolution authorizing an agreement with Paradigm Traffic Systems, Inc. through BuyBoard (Contract #603-20) for the purchase of Centrac's Advanced Transportation Management System (ATMS) Edaptive Software Expansion Module and associated hardware for 16 signalized intersections in an amount not to exceed \$455,430 (Director of Public Works)

..Background:

Approval of this agreement will authorize the City to enter into an agreement with Paradigm Traffic Systems, Inc. through BuyBoard (Contract #603-20) for the purchase of Centrac's Advanced Transportation Management System (ATMS) Edaptive Software Expansion Module and associated hardware for 16 signalized intersections in an amount not to exceed \$455,430.

On April 14, 2020, Council approved the purchase of the Centrac's ATMS with Paradigm Traffic Systems, Inc. in an amount not to exceed \$125,775. This initial purchase of the Centrac's basic package provided the backbone of the ATMS and a high-level system management and functionality. The purchase of the proposed Edaptive Software Expansion Module and associated intersection hardware represents phase 2 of 5 phases of expansion over the next three fiscal years. This five-year plan is identified in the City's current Capital Improvement Plan (CIP). Phase 2 addresses corridor 1, and encompasses 16 signalized intersections along FM518, from Maple Leaf to Park Ave. Additional program details are available in Attachment 4.

The addition of this software module and associated hardware allows for automated real-time adaptive signal control and cycle optimization of traffic signals which will adjust signal timings in response to real-time events. This increases roadway traffic efficiencies and reduces commuter delays. Further system details are available in Attachment 5.

Paradigm Traffic Systems, Inc. is the sole provider for Econolite Products, Inc. in the State of Texas. The Centrac's ATMS and the proposed intersection hardware are an integrated system manufactured by Econolite. All proposed hardware has proprietary features that ensure full functionality of the Centrac's ATMS.

Staff is requesting Council's consideration to approve the proposed purchase of the Centrac's ATMS and associated hardware with Paradigm Traffic Systems, Inc. in an amount not to exceed \$455,430, utilizing the BuyBoard Contract #603-20.

Attachments:

1. Data Sheet
2. Proposed Resolution
3. Exhibit A - Agreement with Paradigm Traffic Systems, Inc.
4. Agenda Item #9C - Approved Data Sheet 4.14.20

5. Edaptive Software and Hardware Summary
6. Justification Memo - Paradigm Sole Source
7. Sole Source Documentation
8. Map of Corridors
9. Vendor Report Card

FUNDING

{X} Funding in the amount of \$455,430 is available from 2017 CO, fund 5240, with expenses charged to TR1901-CONSTRUCT-CONSTRUCT-2017 CO

STRATEGIC PLANNING

{X} Addresses Strategic Planning Critical Success Factor #1 - Develop and Maintain our Infrastructure

APPROVED

MAY 25 2021

CITY COUNCIL

Resolution No. 2021-75