Pinellas County

Staff Report

Subject:

Ranking of firms and agreement with Econolite Systems, Inc. for advanced traffic management system implementation and maintenance services.

Recommended Action:

Approval of the ranking of firms and agreement with Econolite Systems, Inc. for advanced traffic management system implementation and maintenance services.

- This agreement provides for the supply, installation and implementation of the main Advanced Traffic Management System (ATMS) software in the County Transportation Primary Control Center (PCC).
- Specifically, through this Agreement, various outdated software applications that are currently utilized in the PCC will be consolidated, including intelligent transportation system device control, signal control and various other detection reporting software.
- Implementation of new ATMS software will be completed in one year from written notice to proceed, followed by one-year of maintenance and support services at the not-to-exceed amount of $1,763,620.42.
- This software implementation contract has been delayed due to the Covid-19 pandemic and detailed software and hardware integration design.

Contract No. 189-0215-P (JJ) for a two year, not-to-exceed total of $1,763,620.42. Authorize the Chairman to sign and the Clerk of the Circuit Court to attest.

Strategic Plan:

Foster Continual Economic Growth and Vitality
4.4 Invest in infrastructure to meet current and future needs
4.5 Provide safe and effective transportation systems to support the efficient flow of motorists, commerce, and regional connectivity

Deliver First Class Services to the Public and Our Customers
5.2 Be responsible stewards of the public's resources
5.3 Ensure effective and efficient delivery of county services and support
5.4 Strive to exceed customer expectations.

Summary:

This Agreement provides for the supply, installation and implementation of the main Advanced Traffic Management System (ATMS) software in the Pinellas County Transportation's Primary Control Center (PCC).

The implementation of the Centracs software will simplify and consolidate the various software applications that are currently used in Pinellas County (County), including ITS device control, signal

control and various other reporting software. Configurations of the current software applications have become cumbersome to maintain and are outdated.

Additionally, this implementation updates the ITS and signal software so that it is functional with the current ITS and signal technology as well as applicable arterial management strategies. The existing ATMS software is not capable of adding new signal and ITS device technology, nor producing interfaces for various arterial management strategies, such as Transit Signal Priority (TSP) and Automated Traffic Signal Performance Measures (ATSPM). This has created a gap in providing signal operation options for the PCC.

Software implementation duration spans one (1) year and commences upon notice to proceed.

Software implementation:
• $451,472.39 Software
• $180,582.39 Hardware
• $496,784.39 Implementation services
• $ 65,765.68 Not-to-Exceed travel expenditure may be utilized during implementation and support phases and is paid in accordance with FL Statute 112.061.
• $200,000.00 Contingency provides funding for modifications that may be required to customize the software's functionality for more efficient user operations.

Operational and support services will begin once County submits final acceptance of implementation services.

Operational and support services:
• $160,925.55 Year one (1) maintenance and support fees
• $208,090.02 Custom software configuration integrations with existing third-party software packages.

Background Information:
The ATMS/ITS System operates several separate software packages for various equipment and functions. The ATMS software has been operating since 2006 and cannot support the latest technology for traffic management. The new software will replace the original providing support for current technology and integration with the other third-party software and systems.

The main ATMS software enables the PCC operations staff to define parameters for each traffic signal and ITS device, identify traffic signal issues and make traffic signal timing changes. The information from the software is used to inform motorists, verify operations and dispatch maintenance staff quickly to address issues in the field so that maintenance staff can be quickly called out to address the issue. The ATMS software also assists the operation staff in making signal timing adjustments, as needed, to help rectify any identified issues.

Fiscal Impact:

Expenditure not to exceed: $1,763,620.42

Funding is derived from the ninth cent Local Option Fuel Tax through the Capital Improvement Program PID Nos. 003775A and 003776A.

Staff Member Responsible:

Kelli Hammer Levy, Director, Public Works
Merry Celeste, Division Director, Purchasing and Risk Management, Administrative Services
Department
Joe Lauro, Director, Administrative Services

Partners:

N/A

Attachments:

Agreement
Ranking Spreadsheet