STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
FDOT NOTICE OF INTENDED DECISION
TO ENTER INTO A SINGLE SOURCE CONTRACT
(PUR 7778)

This notice of intended decision to enter into a single source contract is posted in accordance with section 287.057(3)(c), Florida Statutes.

AGENCY: FLORIDA DEPARTMENT OF TRANSPORTATION, FLORIDA'S TURNPIKE ENTERPRISE (FTE)
TITLE: Raytheon Hardware and Software Parts and Support

CONTACT:
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Internal Tracking number, if any: SS-DOT-16/17-8008-GB

Date posted: 05/22/17
Time Posted: 7:00 AM

Commodity or Service Required (commodity class and group, manufacturer, model, and description, as appropriate):

43232400 Development Software
81112300 Computer Hardware Maintenance and Support

Requestor (division, bureau, office, individual, as appropriate):
William C. Wood
Deputy Director of Toll Facilities & Equipment
Florida’s Turnpike Enterprise
Turkey Lake Service Plaza
Milepost 263, Building 5315
Ocoee, Florida 34761

Performance and/or Design Requirements (intended use, function or application, compatibility etc. requirements; referenced to policy, rule, statute or other act of the Legislature, etc., as appropriate):

Florida’s Turnpike Enterprise (FTE) maintains and operates Raytheon (RTN) (hereby known as contractor) equipped SunPass® toll lanes across the state of Florida. FTE has a requirement to maintain this system throughout its useful life, which in some cases has exceeded 8 years. FTE will continue to require parts and technical support for materials and hardware that are Raytheon proprietary and often holds the IP (Intellectual Property) license thereto. This proposed single source purchase provides for the necessary commodities and engineering services required to maintain support of the FTE Raytheon Infrastructure.

Intended Source (vendor/contractor):

Raytheon
Intelligence, Information and Services
1801 Hughes Drive
Fullerton, California 92834
Price:

Not to Exceed: $4,000,000.00

**Justification for single source acquisition** (what is necessary and unique about the product, service or source; steps taken to confirm unavailability of competition, as appropriate):

Engineering support services required on an as needed basis for specific software and hardware that is exclusively RTN Intellectual Property (IP) to the Department (FTE) following the completion of the Toll System Replacement (TSR) project, which expired on April 12, 2017. Support is essential to the proprietary RTN Host and select RTN Roadside SunPass® tolling infrastructure.

- The original procurement process began as an Invitation to Negotiate in 2005 for the Toll System Replacement (TSR) project. FTE shortlisted three integrator teams and received technical and price proposals from each of the competing teams. The items included were part of the winning team’s (Raytheon) technical solutions to TSR.

- Raytheon is the sole source for specific proprietary hardware and software components that are needed to maintain production lanes. Raytheon’s proprietary software is currently deployed on roadside components Transaction Image Processor (TIP) and Roadside Controller Unit (RCU). Updates to these specific software and hardware components will be on an as needed basis to maintain established performance standards or make required improvements needed for future applications or performance enhancement.

- Synchronization with the Florida’s Turnpike existing toll operations system:

  The use of non-compatible equipment and software will increase costs due to additional software development, integration and testing in order to introduce the necessary functionality within the current TSR. Furthermore, the introduction of non-proprietary equipment and materials would put additional burden on operations by requiring additional staff due to lost efficiencies associated with additional training, maintenance, product licensing, support and require the management of multiple locations by various operations teams. Finally, the risk to the department would potentially be increased by complicating the integrated system platform that could compromise the accountability of tolling revenue. The Department has reviewed the cost analysis and supporting documentation and has determined that cost for this single source is allowable, reasonable and necessary for the services detailed in this single source. The estimated cost to replace the proprietary equipment and software is $108,784,964.93.

- Raytheon will provide technical support to assist the Department with information, recommendations and solutions necessary to maintain the readiness and reliability of the RTN TSR Host environment and roadside. The services shall be available on an as-needed basis. Support shall be limited to the Department tolling platforms that leverage RTN proprietary software and hardware:

  Transaction Host (TRH):
  - Universal Financial Message (UFM) modifications or enhancement development, testing, delivery and revenue reclamations
  - Legacy Message Converter (LMC)
  - Audit Subsystem
  - Maintenance Online Management System (MOMS) subsystem
  - Integration services for Component Obsolescence
Support shall be limited to the Department tolling platforms that leverage RTN (IP):
Transaction Image Processor (TIP)
Roadside Controller Unit (RCU)
Roadside Sensors
  o Cameras/Illuminators/Lights
  o VDACs

- Cost impacts if these items were openly bid:

The Department would be responsible for the cost of developing the equipment and software integration that meets Turnpike requirements. This would include the cost of design, software development, testing, and installation of new equipment to integrate into the existing system.

FTE’s Toll Maintenance would incur cost impacts if an alternate system is deployed. Separate spare parts would have to be provided, as well as any specific maintenance/repair training that may need to occur for the alternate devices. The current toll system contains diagnostic software to monitor all components which, when a potential fault is detected it then alerts the technical repair staff of a problem. This would require an unbudgeted change order for software modifications to accommodate a different manufacturer’s equipment solution.

Therefore, the cost of software, design and development, fabrication, and testing is not quantifiable for the reason that it would depend on the time and materials required to build the alternate system.

Raytheon SunPass® Toll System technology currently in production at many of the Turnpike Toll Facilities contains proprietary software and hardware. Raytheon is the Original Equipment Manufacturer (OEM) supplier of this system. Raytheon support services and proprietary hardware and software is needed to maintain the Department’s existing infrastructure. There is no other known source that can provide the technology required to maintain and integrate with our system.

Approved By (names & titles, as appropriate to Post on Vendor Bid System (VBS), e.g., requestor, requestor management, information systems, budget, purchasing, DMS approver)

Sheree A. Merting
Contractual Services Administrator
Turkey Lake Service Plaza
Milepost 263, Building 5315
Ocoee, Florida 34761

Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to file a bond or other security within the time allowed for filing a bond, shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.