

**CITY OF EL PASO, TEXAS
AGENDA ITEM
DEPARTMENT HEAD'S SUMMARY FORM**

DEPARTMENT: Information Technology

AGENDA DATE: August 23, 2011

CONTACT PERSON NAME AND PHONE NUMBER: Miguel Gamino – Assistant IT Director, (915)541-4288
Bruce D. Collins, Purchasing Manager, (915) 541-4308

DISTRICT(S) AFFECTED: All

SUBJECT:

That the Purchasing Manager for Financial Services, Purchasing Division to be authorized to issue a Purchase Order(s) to ESI Companies, Inc, a U.S. General Services Administration (GSA) federal contractor under Contract GS-07F-0185U in the amount of \$159,074.00. This is a contract not to exceed \$159,074 and includes a 20% discount above the GSA unit price proving a savings of \$59,459. This is for the services for the installation of the COEP Bridgelink Project Phase II Implementation Technical Requirements of the Point-to-Multipoint Microwave System project that will provide high speed connectivity to numerous City sites for various applications.

ESI will perform an engineering site assessment at Ranger Peak, KFOX and DPS towers to insure the radio communications from the towers to the subscriber sites locations are pointed to the receiving subscriber sites antennas. This assessment will also include preparing site plans, verifying site coordinates, determining antenna heights, frequencies, and power requirements. ESI will do all FCC coordination, and submit all required licensing paperwork for 3 Point to Point and 15 Point to Multipoint Radio Links. At each of the 44 subscriber site locations, ESI will run the required network cabling from the IT room, to the subscriber site roofs. They will then provide and install non-penetrating roof mounts, microwave antennas and connect associated equipment. ESI will then install, configure and test all 15 Rocket GPS point to multipoint Radio Links.

BACKGROUND / DISCUSSION:

The City has been building a fiber based backbone infrastructure to provide high-speed gigabit or higher connectivity to all City owned sites. Multiple sites were identified as not needing such high-speed connectivity nor could the fiber build out be justified to the same locations. The solution identified was to provide lower bandwidth (megabit) high-speed connectivity which would also act as redundant links for the City's fiber backbone. The new solution is a combination of microwave and extended fiber connectivity to current City owned communication towers as well as other key locations. By augmenting the fiber backbone project with Microwave Point-to-Multipoint connectivity, the City of El Paso will be able to reduce costs associated with fiber installation and lease line costs.

PRIOR COUNCIL ACTION:

Yes, May 3, 2011 Item 9 - A contract to ESI to provide Dragon Wave, Ubiquiti Rockets, and Ubiquiti Power Bridge for Phase I of the Microwave Project.

AMOUNT AND SOURCE OF FUNDING:

Department: Information Technology
Amount: \$159,074.00
Funds Available: Dept # 14400500, Acct # 508010, Fund # 27051, Project# PCP12IT04
Funds Source: Data Processing Equipment - Fiber/Connectivity 2012-13

BOARD / COMMISSION ACTION:

N/A

*****AUTHORIZATION*****

DEPARTMENT HEAD:

Miguel A. Gamiño, Information Technology Director

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SERVICE SOLUTIONS SUCCESS



To: Bruce D. Collins, Purchasing Manager, (915) 541-4313
From: Miguel A. Gamiño Jr., Information Technology Director
Date: August 23, 2011
Re: Government Services Administration Contract GS-07F-0185U

The Information Technology Department recommends purchasing services for the installation of the COEP Bridgeline Project Phase II Implementation Technical Requirements of the Point-to-Multipoint Microwave System project that will provide high speed connectivity to numerous City sites for various applications. The purpose of this purchase is to:

1. Is there an urgent need for the product/service? In other words, is time of the essence?

Yes, Phase II of the BTOP project is to be completed by December 31, 2011 and is contingent on the installation, configuration, and test of the COEP base station for Ranger Peak, KFOX, and DPS Tower sectors by August 31, 2011. An additional 44 subscriber sites must be installed, configured and tested by October 15, 2011.

2. Does the purchase through the Program promote the standardization of equipment?

Yes. The use of this vendor for the second Phase will provide continuity of installation, familiarity with the project, as well as the GSA discount which is currently 20% of the GSA unit prices providing a savings of \$59,459.

3. Does the purchase through the Program support local business? If not, is there a comparable product/service available locally?

No, though as noted above, the use of this vendor provides for a continuity of the ongoing project as well as capitalizing on familiarity, supporting achievement of target dates.

4. Do the available vendors have prior work experience and/or familiarity with the City?

Yes, ESI has provided services to the City of El Paso and provided Dragon Wave, and Power Bridges for various sites of the Microwave project.

5. Is the pricing reasonable as compared to other similar products/work performed for the City of El Paso in the past or as quoted from other companies?

Yes, price reasonableness has been established because the cooperative purchasing agency used a competitive purchasing process in the awarding of this contract.

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