



CITY OF PLANO COUNCIL AGENDA ITEM

CITY SECRETARY'S USE ONLY					
<input type="checkbox"/> Consent <input type="checkbox"/> Regular <input type="checkbox"/> Statutory					
Council Meeting Date:		1/27/2014			
Department:		Technology Services			
Department Head		David Stephens			
Agenda Coordinator (include phone #): Dianna Wike x7549					
CAPTION					
To approve the purchase of Wireless Network Upgrade for Jack Carter Maintenance Facility in the amount of \$59,664, from Scientel Wireless LLC, through an existing H-GAC (Houston-Galveston Area Council) contract and authorizing the City Manager to execute all necessary documents. (H-GAC CW10-09)					
FINANCIAL SUMMARY					
<input type="checkbox"/> NOT APPLICABLE <input checked="" type="checkbox"/> OPERATING EXPENSE <input type="checkbox"/> REVENUE <input type="checkbox"/> CIP					
FISCAL YEAR:	2013-14	Prior Year (CIP Only)	Current Year	Future Years	TOTALS
Budget		0	129,778	0	129,778
Encumbered/Expended Amount		0	0	0	0
This Item		0	-59,664	0	-59,664
BALANCE		0	70,114	0	70,114
FUND(s): TECHNOLOGY SERVICES FUND					
<p>COMMENTS: Funds are available in the 2013-14 Wireless Support Budget for the purchase of hardware and installation services to increase network connectivity at the Jack Carter Maintenance Facility and eighteen (18) networked devices in close proximity. The remainder of funds will be used for other expenditures related to support of the City's Wireless Network.</p> <p>STRATEGIC PLAN GOAL: Improvements to network connectivity relate to the City's Goal of a Financially Strong City with Service Excellence.</p>					
SUMMARY OF ITEM					
<p>Technology Services staff recommends approval of the purchase of hardware and installation services to increase the network connectivity to the Jack Carter Maintenance Facility and 18 networked devices in close proximity to that facility, from Scientel Wireless LLC, utilizing their H-GAC (Houston-Galveston Area Council) contract, in the amount of \$59,664. This upgrade will allow for the consolidation of two facilities into one facility with an aggregate network bandwidth of up to 90 Mbps (an increase from the current 20Mbps). This provides optimum productivity by improved network connectivity for traffic cameras, irrigation system controllers and wireless access points for the Motomesh wireless network. The City is authorized to purchase from a cooperative purchasing program with another local government or a local cooperative organization pursuant to Chapter 271 Subchapter F of the Local Government Code; and by doing so satisfies any State Law requiring local governments to seek competitive bids for items. (H-GAC CW10-09)</p>					



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List of Supporting Documents: Memorandum	Other Departments, Boards, Commissions or Agencies



Memorandum

Date: January 10, 2014
To: Diane Palmer-Boeck, Purchasing Manager
From: David Stephens, Director Technology Services
Subject: Purchase of Wireless Network Upgrade for Jack Carter Maintenance

Technology Services proposes purchasing hardware and installation services to increase the network connectivity to the Jack Carter Maintenance Facility and 18 networked devices in close proximity to that facility. This increased network capacity at the Jack Carter Maintenance Facility will allow for the consolidation of two facilities into one facility with an aggregate network bandwidth of up to 90 Mbps (an increase from the current 20Mbps). The 18 networked devices include traffic cameras, irrigation system controllers and wireless access points for the Motomesh wireless network.

Scientel Wireless, LLC has been providing support for the City of Plano's wireless network for the past seven years and is responsible for the daily maintenance of that network. Scientel Wireless LLC can provide the hardware and services described above under HGAC contract #CW10-09. A brand name justification memo was issued on 2/16/2010 requesting Scientel Wireless and Motorola as the sole providers for any services on this extensive and complex wireless network (see attached memo).

The total cost for this network upgrade is \$59,664.00. This cost is broken down into \$29,886 for hardware and \$29,778 for installation and maintenance services.

If we are not able to complete the upgrade to the Jack Carter Maintenance Facility and the associated 18 networked locations, the personnel in that facility would not be able to provide optimum productivity due to connectivity related network slowness.



Memorandum

Date: February 16, 2010
To: Mike Ryan, Purchasing
From: David Stephens, Director Technology Services
Subject: Name Brand Justification

As we undergo the final phase of our wireless mesh network deployment, we have existing contracts in place with Motorola for installation of this equipment. Motorola has have been using Scientel Wireless, LLC as the designated sub-contractor for the design and installation of this network. As sections of the network have been accepted we have relied upon Motorola and Scientel to provide the support for the network in production, as well as being responsible for the support of the new phases under construction.

It would be in the interest of the City of Plano to continue using Motorola and Scientel Wireless, LLC for maintenance of this network due to the complexity of the network; the ability to have a single responsible party for any issues, such as firmware upgrades; and their in-depth knowledge of our existing infrastructure. Bringing in a new vendor for maintenance for portions of this network at this time would increase the likelihood of a failure of the network with an ensuing disagreement over responsibility for restoring service to a critical infrastructure used on continuous basis by Public Safety and other city services.

This project has been segmented into three phases. The City has accepted phases 1 & 2 but Motorola, and Scientel, are still working on phase 3. As we move into maintenance mode on phases 1 & 2, the current contracts have been with Motorola as prime contractor with Scientel as the sub-contractor. It is the desire of Technology Services to be able to utilize Motorola and/or Scientel for support on the production phases of this project. Both Motorola and Scientel are on HGAC and DIR contracts for services that are within our scope of required services.

At this time Technology Services is requesting to maintain the relationship with Motorola and Scientel as sole support providers for the wireless mesh network until its completion. To accomplish this I am requesting that Motorola and Scientel Wireless, LLC be accepted as name brand justification vendors for support purposes for the duration of the wireless mesh network project.