



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:		8/25/2014			
Department:		Technology Services			
Department Head		David Stephens			
Agenda Coordinator (include phone #): Dianna Wike x7549					
CAPTION					
To approve the purchase of services and equipment to relocate wireless networking equipment in the amount of \$349,142 from Scientel Wireless, LLC, through an existing HGAC (Houston-Galveston Area Council) contract and authorizing the City Manager to execute all necessary documents. (HGAC Contract No. CW10-09)					
FINANCIAL SUMMARY					
<input type="checkbox"/> NOT APPLICABLE <input type="checkbox"/> OPERATING EXPENSE <input type="checkbox"/> REVENUE <input checked="" type="checkbox"/> CIP					
FISCAL YEAR:	2013-14, 2014-15	Prior Year (CIP Only)	Current Year	Future Years	TOTALS
Budget		0	940,600	330,000	1,270,600
Encumbered/Expended Amount		0	-225,901	0	-225,901
This Item		0	-174,571	-174,571	-349,142
BALANCE		0	540,128	155,429	695,557
FUND(S): TECHNOLOGY IMPROVEMENTS CIP FUND					
<p>COMMENTS: Funding is available in the Technology Improvements CIP Fund. This item, in the amount of \$349,142, approves the relocation of MotoMesh equipment during the upcoming Coit Water Tower painting project, as well as the equipments reattachment upon completion of the project.</p> <p>STRATEGIC PLAN GOAL: Removing and replacing MotoMesh infrastructure to accommodate the repainting of Water Towers relates to the City's goal of Financially Strong City with Service Excellence.</p>					
SUMMARY OF ITEM					
<p>Technology Services staff recommends the purchase of services and equipment from Scientel Wireless, LLC, in the amount of \$349,142, to relocate wireless networking equipment from the Coit Water Tower to a temporary tower at Archgate Park and to reattach the equipment upon the completion of repainting. This is in preparation for the Coit Water Tower repaint project. This purchase allows for continuity of services during the repainting of the Coit Water Tower and prevents disruption of network service to many City facilities and loss of revenue due to a stoppage of water meter readings via the automated meter reading (AMR) process in place. 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. (HGAC CW10-09).</p>					



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



Memorandum

Date: August 7, 2014
To: Diane Palmer-Boeck, Purchasing Manager
From: David Stephens, Director Technology Services
Subject: Wireless Network Equipment Relocation from Coit Water Tower to a Temporary Tower

Technology Services proposes procuring services and equipment from Scientel Wireless, LLC to relocate wireless networking equipment from the Coit Water Tower to a temporary tower at Archgate Park. In the fall of 2014 the City of Plano desires to repaint the Coit Water Tower. While this repainting effort is underway, Technology Services must relocate equipment that provides wireless services to City facilities and personnel.

Scientel Wireless has been the sole provider of support for our wireless network and they have the experience of relocating the necessary equipment to ensure that the City of Plano wireless network remains operational during the transition. This endeavor will require the deployment of a 150 foot temporary tower at Archgate Park to provide line-of-sight services to our existing wireless devices on City facilities, traffic signals, utility poles and other structures. We have used this mobile tower when other water towers have been painted in the past.

To ensure the continuity of services during the transition, we will have to procure new equipment for the temporary tower so that both sites are able to route traffic. We will then reroute traffic to the temporary tower and remove the equipment from the water tower. After the water tower painting is completed we will re-install the equipment on the Coit Water Tower, re-route traffic back to that structure and decommission the temporary tower in the summer of 2015.

The cost of this project is \$349,142 and Scientel Wireless can provide the necessary services and equipment under an existing HGAC contract CW10-09. The breakdown of the total amount is \$12,980 for new equipment, \$23,053 for miscellaneous parts and \$313,109 for services. The cost of the services is higher than normal due to the specialty labor of skilled tower climbers required for this project.

If the City of Plano were not to provide a temporary tower for wireless services during the repainting of the Coit Water tower, there would be a disruption of network service to many City facilities and a loss of revenue due to a stoppage of water meter readings via the automated meter reading (AMR) process in place.