



AGENDA
ITEM 4d
DATE 7-8-09

City Council Report

Date: July 8, 2009
To: City Council
Through: Bryan Raines, Deputy City Manager
From: Edward Quedens, Business Services Director
Subject: Purchase of Additional Infrastructure to Expand TOPAZ Radio Coverage (Fully Funded Public Safety Bonds – Partial Reimbursement from TRWC Members)
“Citywide” contract

Purpose and Recommendation

Council is requested to approve the Purchase of Additional Infrastructure to Expand TOPAZ (Trunked Open Arizona network) Radio Coverage as requested. Proposal pricing was obtained and evaluated by the Communications, Information Technology and Business Services Departments.

The Business Services Department recommends authorizing purchase from the cooperative contract with Motorola, Inc. at \$293,329.76, including applicable Mesa sales tax.

Background/Discussion

This purchase will complete the Intelligent Site Repeater System, including all required infrastructure and integration services for the TOPAZ 700/800 MHz trunked radio system used by the Public Safety and Public Works Departments of the TRWC (TOPAZ Regional Wireless Cooperative) members throughout the East Valley, and in some cases, the West Valley. Council recently approved a Reconfiguration and Improvement Project that would result in an independent TOPAZ radio system. An essential element of this project is the development of a West Valley communications facility that would augment TOPAZ radio coverage in the West Valley.

Currently, Mesa’s TOPAZ radio system is interconnected with Phoenix’s PRWN (Phoenix Regional Wireless Network) system which provides West Valley radio coverage for TOPAZ radio users. After the Reconfiguration and Improvement Project is complete, the Phoenix Network will no longer provide this coverage, and an additional trunked radio site will be required for communication needs in the West Valley. This radio site will be located on White Tanks Mountain and the actual equipment will be installed in the Salt River Project building on White Tanks under the terms of a recently executed site-sharing agreement.

Alternatives

Council may choose not to authorize purchase from this co-op contract; however, limited TOPAZ radio coverage will result, hampering the ability for law enforcement, fire, and public works departments to effectively perform their duties in the West Valley (e.g., investigations, warrants, mutual/automatic aid response, etc.).

Fiscal Impact

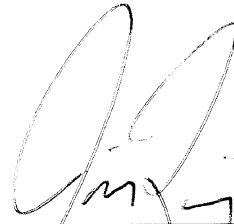
The total amount of \$293,329.76 is available from Public Safety Bonds. Each TRWC Board of Director member has budgeted funds currently available for their apportioned cost (per the TRWC Governance Agreement) to pay for the remaining difference; 26% of the proposal price will be reimbursed back to Mesa by the other TRWC participating cities.

Coordinated With:

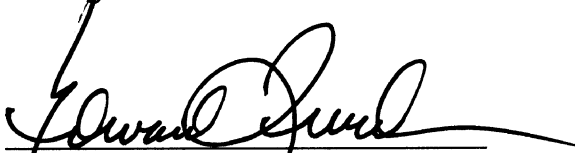
Fire Department
Police Department
Communications Department
Information Technology Department



Pamela Chavez,
Management Assistant II



Jim Ruiz, CPPB
Purchasing Administrator



Edward Quedens, C.P.M.
Business Services Director



Bryan Raines,
Deputy City Manager

**CITY OF MESA
PURCHASE RECOMMENDATION
INFRASTRUCTURE FOR TOPAZ RADIO EXPANSION**

**Motorola, Inc.
Mesa, AZ**

Description	Proposal Pricing
Intelligent Repeater Site System to include, 700/800 MHZ mid-power, primary 6 port cavity combiner, five (5) GTR 8000 base radios, ASTRO 25 site repeater SW, S2500 multi-protocol WAN router, GTR 8000 transceiver 700/800 MHZ, GCP 8000 PA 700/800 MHZ, GCP 8000 site controller, GTR 8000/GCP 8000 power supply and freight:	\$162,084.00
	8.05 % Sales Tax* <u>\$13,047.76</u>
	Sub Total \$175,131.76
Systems Integration Services:	<u>\$118,198.00</u>
	TOTAL \$293,329.76

* Motorola, Inc. has a City of Mesa business license and pays Mesa Sales Tax.