

City of Culver City, California
City Council Agenda Item Report

Meeting Date: 2/11/2008		Item Number: <u>A-9</u>	
AGENDA ITEM: (1) Waiver of the Competitive Bidding Procedures as Authorized by Section 3.07.065 of the Culver City Municipal Code, and (2) Approve the Quotation for the Purchase of Voice Over IP (VoIP) Technology from Arreva Communications (Irvine, CA) for Fire Stations 2 and 3 to Support Voice Communications.			
Contact Person/Dept.: John Richo		Phone Number: 310-253-5950	
Fiscal Impact: Yes ☒ No ☐		General Fund: Yes ☒ No ☐	
Public Hearing: ☐		Action Item: ☒ Attachments: ☒	
Public Notification: E-Mail Master Notification List on (02/06/08), Arreva Communications on 1/31/2008.			
Department Approval: John Richo (01/31/2008)		City Attorney Approval: Carol Schwab (by H. Baker) (02/07/08)	
Fiscal Impact Review: Jeff Muir (by N. Kimball) (02/06/08)		City Manager Approval: Jerry B. Fulwood (02/07/08)	
<u>RECOMMENDATION:</u> Staff recommends the City Council approve the purchase of Voice over Internet Protocol (VoIP) technology in the amount of \$41,290.88 to support voice communications to Fire Stations 2 and 3 from Arreva Communications (Irvine, CA) <u>BACKGROUND:</u> The City currently utilizes a microwave operating within the 18 GHz band for voice telecommunications to Fire Stations 2 and 3. In June of 2002 the Federal Communication Commission issued a Report and Order (Attachment 1) which in essence required the City to abandon use of the microwave operating within the 18 GHz band. At the February 4, 2008 meeting, the City Council agreed to accept DirectTV's proposal to abandon the microwave frequencies. At that time Information Technology advised the Council that we would come forward with a voice communication plan for Fire Stations 2 & 3. <u>ANALYSIS:</u> Our current analog Mitel PBX system is over 13 years old. For several years the department has recognized that it is time for an upgrade based on:			
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- 1) The system being so old that replacement parts are increasingly difficult to obtain.
- 2) It is an analog system and the City wishes to move to a digital VoIP system.
- 3) Important productivity features such as combined messaging (e-mail and voice mail) are available in digital systems.

Staff's recommendation is based on the need to have compatibility between Fire Stations 2 & 3 and the City's current phone system upon abandonment of the microwave channels. Additionally, the recommended technology must be compatible with our choice for a new telephone system.

The options for Fire Stations 2 & 3 are: (Attachment 2)

1. Fiber Modems (\$16,392.86) – Fiber modems installed at the far ends of the existing fiber cables complete the circuit, nothing gained, nothing lost.
2. Full VoIP conversion at both Fire Stations and City Hall (\$41,290.88) – Will utilize existing data infrastructure to transmit voice traffic between Fire Stations and City Hall. This is an upgrade to new technology with enhanced features.
3. VoIP Gateways at Fire Stations and City Hall (\$32,693.01) – VoIP gateways will act as bridges tying together the existing Mitel PBX's. This is money spent on maintaining outdated equipment.
4. Hybrid VoIP/Fiber Modem Solution (\$36,514.36) – Fiber modems are installed on fiber link between Fire Station 3 and City Hall. This will minimize the capital investment on Fire Station 3 since a new Fire Station is under construction and this one will be taken off-line in the near future (approximately 6 months). Fire Station 2 will be upgraded to VoIP and a VoIP gateway will be installed at City Hall to complete the VoIP link. The investment of old Fire Station 3 is lost when it shuts down.

The Option 2 solution will be compatible with the anticipated new system for the City. This plan is in development. Option 2 is Information Technologies' recommended solution because it leverages the most performance/features/expandability for future growth.

Exception to Bidding Requirements

Section 3.07.065(D) provides that the City Council may waive the formal competitive bidding process for purchase of equipment which "is a component for equipment or a system of equipment previously acquired by the City, and is necessary to repair, maintain or improve the City's utilization of the equipment." This exception is applicable to this proposed purchase as this equipment is a component of the City's existing telephone system and will improve the utilization thereof.

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FISCAL ANALYSIS:

At the City Council meeting on February 4, 2008, the City Council approved accepting \$75,000 from DirecTV as compensation for the City abandoning the use of the 18GHz band for voice telecommunications. These funds will be applied to CIP# P-701, Network Redesign Infrastructure Enhancement (42000701). Once those funds are received, a portion will be appropriated to cover the cost of the proposed option described above.

Other than minimal in-house staff time, the VOIP option will not have associated ongoing cost.

ATTACHMENTS:

1. FCC Commission Report and Order
2. Options for Microwave Removal for Fire Stations 2 & 3
3. Arreva Communications (Irvine, CA) quote

MOTION:

That the City Council:

1. Waive the formal competitive bidding procedures as authorized by Section 3.07.065 of the Municipal Code; and
2. Accept the quotation for the purchase of VoIP technology from Arreva Communications (Irvine, CA) in an amount not to exceed \$41,290.88 from account 42000701; and,
3. Authorize the City Attorney to review/approve necessary documents and authorize the City Manager to execute such documents on behalf of the City