



CITY COUNCIL AGENDA ITEM

February 13, 2012

To: John Szerlag, City Manager

From: Susan Leirstein, Purchasing Director
Gert Paraskevin, IT Director
Gary G. Mayer, Chief of Police

Subject: Bid Waiver: Pelco Camera System Core Upgrade

Background

The Police department currently uses two different systems to record surveillance cameras. The Pelco camera system records and stores all of the general building cameras for one month. Communications section personnel monitor these cameras along with cameras throughout the City.

The iDVTel system records sensitive cameras and audio in interview rooms and lockup, and stores the video for a period of two years. Both of these systems are extremely important in protecting the City from liability and aiding in the adjudication of cases.

Both systems were installed during the Police and Fire building renovation and addition project completed in 2004. After being in service for almost eight years, the Pelco system is beginning to fail. Two of the three digital video recorders (DVR) need to be rebooted several times a week to ensure they remain operational. The System manager can no longer be accessed to make changes to the head-end equipment. The iDVTel system "loses" video requiring the vendor to spend hours recovering the videos. A software upgrade was done to iDVTel system two years ago, however, the issues were not corrected.

Endura is the latest system from Pelco. It is an enterprise system that provides a completely fault tolerant (N+1) Network based system by Schneider Electric that can integrate to our existing access control system also made by Schneider Electric. This solution will allow the Police department to use all existing cameras and microphones on the new system. This project includes new fault tolerant storage systems, redundant system managers, workstations and controllers, encoders, and monitors in the Communications section. This project also includes the replacement of a failed camera on the southeast corner of City Hall and a new camera on the southwest corner of City Hall. Endura will lower the cost of future camera expansion projects by using our City network, instead of installing dedicated cabling from the camera to the head-end equipment. When the independent camera systems at the Library, DPW, Community Center, and Park and Recreation buildings reach end of life, these systems can be replaced with Endura enabled DVRs. This will allow all systems in the City to be managed from a single point.

SimplexGrinnell Fire Protection and Security Services provided the Pelco Camera system during the Police and Fire building renovation and addition project completed in 2004. SimplexGrinnell was the primary contractor and responsible for installation and programming of this complex and comprehensive system. A new vendor would require many hours to understand the integration



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To: John Szerlag, City Manager
Re: Waiver – Pelco Camera System Core Upgrade

Background - continued

between the Pelco system and our access control system; and SimplexGrinnell would still be required for the access control system integration. Since 2004, SimplexGrinnell has installed the camera and/or access control systems at the City Hall Offices, Library, Community Center, Police and Fire Training Center, Aquatic Center, Nature Center, DPW Building, Parks and Recreation Garage, Fire Storage Building, and all six Fire Stations. Over the last eight years, the Police Department has built a strong working relationship with SimplexGrinnell. Security of our building is top priority and SimplexGrinnell is one of only a few vendors that are allowed to work in our building unsupervised. SimplexGrinnell has learned how our operation works and can install and/or integrate systems with little input from department staff.

Recommendation

City management is requesting a waiver of the formal bid process as no benefit would be derived from soliciting formal bids, and authorization to utilize the services of SimplexGrinnell of Farmington Hills, an authorized licensed installer in Michigan to purchase and install the Pelco Endura system at an estimated cost of \$150,000.00 for Phase 1, as detailed in the quotation dated 2/10/2012.

Fund Availability

It is proposed that the Capital funds contained in FY 2011/12 from Police Administration Office Renovations and Federal Drug Forfeiture accounts be used to initiate this project.

Prepared by: Ryan Wolf, Research & Technology Administrator

SimplexGrinnell

A Division of TYCO International

Date	Quotation No.
10-Feb-12	520415-0210-12-01
Vendor Code No. 0000-232104	

Issuing Office: 24747 HALSTED ROAD, FARMINGTON HILLS, MI. 48335

TO: City Of Troy Police Dept.
500 West Big Beaver Road
Troy, MI. 48084

Attn: Ryan Wolf

Job Name and Address
Request For Budgetary Proposal
City Of Troy Police
CCTV Head-End Upgrade
Pelco ENDURA Solution

Shipping Terms F.O.B. Shipping Point

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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
			<p>*** City Of Troy / Police Dept. / CCTV Head-end Upgrade & Camera Addition ***</p> <p>Provide materials and labor to upgrade and install the existing CCTV head-end video monitoring and recording system at the City of Troy Police Department.</p> <p>Scope of Work: <u>ENDURE Head-End video solution</u></p> <ul style="list-style-type: none"> * Provide labor and materials to replace (2) existing 32 channel DVRS with (1) ENDURA Network Video Recording system with IP camera connectivity, 48 TB Storage. * Provide and install (2) video encoder racks with 64 channels of analog to IP converters. * Provide and install (5) ENDURA workstations with 10 licenses, and mapping software. * Provide and install (2) Device Managers. * Provide and install (7) ENDURA fully functional keyboard / joystick. * Provide and install (2) 2 monitor network decoder. * Provide labor services to terminate all devices supplied under this quotation. * Provide labor to install 120VAC power. <p><u>Camera Additions</u></p> <ul style="list-style-type: none"> * Provide labor and materials to replace / install (1) IP HD PTZ camera on the roof of the East City hall. * Provide labor and materials to install (1) IP HD PTZ camera on the roof of West City hall. * Provide labor and materials to install (1) standard definition IP camera in the Human Resource's office. * Provide and install (3) Power supplies for above referenced cameras. * Make necessary terminations and connections to the above referenced cameras and associated network switches. * Provide and install new CAT 5e cabling and supports to facilitate installation. * Provide system programming, configuration, and start-up to complete the installation. <p>In addition to the above our proposal includes engineering, programming, project coordination, start-up and debug for the camera additions required for the above referenced scope of work.</p>		

SIMPLEXGRINNELL offers to furnish the above, subject to the terms and conditions appearing on the face and on the reverse side hereof, for the sum of _____

THIS QUOTATION DOES NOT INCLUDE ANY TAXES, INSTALLATION, INSTALLATION MATERIALS OR ANY LABOR OR SERVICES UNLESS SPECIFIED ABOVE.

Any alteration or change from the above will be performed following the acceptance by SIMPLEXGRINNELL of Purchaser's Written Order and will become an additional cost at GINNELL then current charges. This Quotation automatically expires __30__ days from the date shown above. All orders are subject to acceptance by SIMPLEXGRINNELL.

SIMPLEXGRINNELL	TITLE	J.KEITH SALES
By:	The prices, specifications, terms and conditions contained herein, including the reverse side hereof, are hereby accepted.	
ACCEPTANCE OF QUOTATION	U:\City of Troy\CCTV Head End Upgrade.~	
Purchaser	Date	P.O. No.

By: _____ Title _____

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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
Materials & Services (ENDURA IP SOLUTION)					
1	2	NSM5200-24-US	Pelco Network Storage Manager, 24TB, US Power Cord	\$20,002.00	\$40,004.00
2	1	NSM5200F-03-US	Pelco Network Storage Manager, FC 3TB US Power Cord	\$15,120.00	\$15,120.00
3	2	SM5200	Pelco Endura Device Manager Unit	\$2,220.00	\$4,440.00
4	5	WS5070-US	Pelco Workstation w/WS5200 Software, US Power Cord	\$3,421.00	\$17,105.00
5	1	WS5200-10	Pelco WS5000 Software 10 Seat License	\$4,720.00	\$4,720.00
6	1	WS5200-MAP	Pelco Mapping Software, Site License	\$821.00	\$821.00
7	16	NET5404T	Pelco Encoders H.264 compression, 4 channel encoder (convert analog	\$994.00	\$15,904.00
8	2	RK5200PS-5U-US	Pelco Rack Mount Card Cage with Dual Power Supply, US power cord	\$2,376.00	\$4,752.00
9	2	VCD5202-US	Pelco Video Console Display, US Power Cord	\$3,422.00	\$6,844.00
10	2	NET5402R-HD-US	Pelco 2 Monitor Net Decoder, US Power Cord	\$2,030.00	\$4,060.00
11	7	KBD5000	Endura Keyboard Assembly	\$1,168.00	\$8,176.00
12	1	Lot	Electrical Installation	\$2,352.00	\$2,352.00
13	16	Hours	System Engineering & Design	\$166.00	\$2,656.00
14	42	Hours	System Programming & Configuration	\$112.00	\$4,704.00
15	24	Hours	System Test, Check-out & Start-up	\$112.00	\$2,688.00
15	8	Hours	Project Management & Coordination	\$88.00	\$704.00
TOTAL:					\$135,050.00
Materials & Services (Camera Additions)					
16	2	S5118-EG1	Pelco Spectra™ HD 1.3MP camera with 18X optical zoom, environmental pendant mount, light gray back box and clear dome bubble.	\$2,557.00	\$5,114.00
17	2	WCS1-4	Pelco power supply 1 fused output with 4amp capacity, 120/240 VAC	\$104.00	\$208.00
18	2	IWM-GY	Wall mount with cable feedthrough designed for use with Intercept or Sp	\$60.00	\$120.00
19	2	SRCW2000	Video Alarm Parapet Roof Mount	\$406.00	\$812.00
20	1	IM10DN10-1V	Pelco Sarix™ IM-V network fixed vandal resistant mini dome camera 1.3 MP color day/night vari-focal lens 2.8-10mm light grey dome with liner	\$504.00	\$504.00
21	1	TF9000	Pelco 24vac 50va transformer	\$27.00	\$27.00
22	1	Lot	Electrical Installation	\$3,480.00	\$3,480.00
23	2	Hours	System Engineering & Design	\$166.00	\$332.00
24	4	Hours	System Programming & Configuration	\$112.00	\$448.00
25	4	Hours	System Test, Check-out & Start-up	\$112.00	\$448.00
26	2	Hours	Project Management & Coordination	\$88.00	\$176.00
TOTAL:					\$11,669.00

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Purchaser	Date
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			Notes & Clarifications: 1) Sales tax excluded. 2) SimplexGrinnell Standard terms and conditions apply. 3) All new materials have a one-year warranty. 4) All installation to be performed during normal working hours Monday - Friday 7:30am - 4:30pm. 5) Installation and supply of cabling by owner. 6) Owner to provide network connection. 7) Owner to make available 120VAC power.		

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By:		SALES
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