



CITY COUNCIL AGENDA ITEM

Date: January 6, 2015

To: Brian Kischnick, City Manager

From: MaryBeth Murz, Purchasing Director
Gert Paraskevin, IT Director
Gary G. Mayer, Chief of Police
Tim Richnak, Public Works Director

Subject: Bid Waiver: Pelco Camera System and Access Control System Expansion.

History

In 2012, the Police Department upgraded its video security camera system to the Pelco Endura enterprise camera system with the anticipation of expanding this system citywide. The Original Access Control System associated with this camera system was installed during the 2004 Police and Fire building renovation and addition project. It has expanded to an additional 13 city buildings and/or locations.

The project includes converting the existing independent Pelco camera systems at the Department of Public Works and the Parks Buildings including the replacement of the failing and end of life DVR at the DPW, the replacement of the end of life DVR at the Parks Building, and the network equipment needed to support the new infrastructure. The goal of this project is to increase the security and safety of the public and city staff by providing the Police Communications Section personnel with the ability to observe the activities in and around the DPW facility from the existing Endura video wall.

The project will also replaces four end of life analog PTZ (pan, tilt, and zoom) cameras with new HD PTZ cameras on the exterior of the Police Department. These cameras were installed with the Police and Fire building renovation and addition project completed in 2004 and are beginning to fail.

The project will also upgrade two exterior PTZ cameras with new HD PTZ cameras at the Police and Fire Training Center and add door monitoring contacts on an exterior door in the storage room. This will allow the Police Communications Section personnel with the ability to observe the activities around the building and ensure all exterior doors are secured.

The project also includes installing necessary equipment to activate recording of Interview Room A with the activation of the light switch. This will simplify the operation when conducting interviews.

At the completion of this project, the total City of Troy camera count will be 247, of which 183 will be a part of the new citywide Endura System. This project also provides the compatible equipment, which allows for the expansion of the system to the remaining buildings with aging independent systems. These locations include the Library, Community Center, and Aquatic Center.

Purchasing

- SimplexGrinnell Fire Protection and Security Services provided the security 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.



CITY COUNCIL AGENDA ITEM

Purchasing (continued)

- The Police Department has been utilizing the maintenance services of SimplexGrinnell since 2005 as per CC Res {2005-12-557-F10}. The rates have not changed since 2005; however the list of components has expanded to cover ongoing maintenance activities.
- Due to the complexity of the system, it is recommended to use the company, who initially programmed the system, maintains the software application, provides ongoing service and also has the knowledge to understand the integration between the Pelco system and our access control system. Additionally, knowledge is required and necessary for the total integration of the access control system.
- 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, all six Fire Stations and the Transit Center.
- As per CC Res {2009-02-047-F-04d} City Council approved an *ongoing* proprietary service agreement with SimplexGrinnell to provide materials, and labor to *maintain* the Integrated Security management System. Consequently over the last nine years, the Police Department has built a strong ongoing working relationship with SimplexGrinnell. Security of our buildings 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.

Financial

The approved Capital funds contained in the Fiscal Year 2014/15 Budget from Police Administration Office Renovations, Training Center Capital General Equipment, and Public Works Administration Buildings and Improvements General Repairs accounts are currently available as summarized below and detailed on attached quotations.

Account Name	Account #	Current Available Balance	Cost
Public Works Admin. Capital	401.464.7975.900	\$127,658.00	\$42,000.00
	401.464.7978.010	\$133,000.00	\$35,132.00
Quote # 520415-1125-13-B			\$77,132.00
PD Admin. Capital	401.305.7978.010	\$65,000.00	
Quote # 520415-1027-14-02			\$1,460.00
Quote # 520415-0506-14-02			\$18,711.00
			\$20,171.00
Training Center Capital Gen. Eqpt.	401.264.261.7978	\$30,000.00	
Quote # 520415-1027-14-01			\$15,415.00
Total Cost			\$112,718.00



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Recommendation

City management requests approval to utilize the ongoing contract with Simplex Grinnell of Farmington Hills, an authorized licensed installer in Michigan to purchase and install the Pelco Endura and access control equipment at an estimated cost of \$112,718.00, as detailed in the attached quotations dated August 29, 2014.

Public Works Admin Capital
 \$42,000 from 401.464.7975.900 (Bal \$127,658.78)
 \$35,132 from 401.464.7978.010 (Bal \$133,000.00)

QUOTATION

Date	Quotation No.
	29-Aug-14 520415-1125 -13-B
Vendor Code No.	

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
City Of Troy
DPW / Parks & Rec.
VSS ENDURA Upgrade
Proposal

Shipping Terms F.O.B. Shipping Point

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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
*** CITY OF TROY / DPW / ENDURA UPGRADE & CAMERA ENCODERS ***					
Provide materials and labor services for the installation / upgrade of the existing video surveillance system head-end equipment at the City of Troy, Depart. of Public Works & Parks / Rec. facility. This work will include:					
* DPW - Install (16) 2 channel encoders to convert (32) analog video signals.					
* DPW - Install (1) ENDURA workstation in Fleet Mangers office.					
* DPW - Install (1) video console display & keyboard in Parts Manger area.					
* DPW - Install (1) network storage manger 24TB.					
* DPW - Install (1) AVAYA 24 port network switch in telecom closet.					
* DPW - Install (1) equipment rack and cable management in telecom closet.					
* P&R - Install (1) ENDURA workstation at mangers office.					
* P&R - Install (1) AVAYA 24 port network switch in telecom closet.					
* P&R - Install (1) equipment rack and cable management in telecom closet.					
Materials & Services:					
1	16	NET5402T	Pelco Encoder H.264 Compression, 2 Channel	\$891.00	\$14,256.00
2	2	RK5200PS-5U-US	Pelco Rack Mount Card Cage w/ Dual Power Supply.	\$2,475.00	\$4,950.00
3	1	NSM5200-24-US	Pelco Network Storage Manager, 24TB, US Power Cord	\$20,835.00	\$20,835.00
4	2	WS5070-US	Pelco Workstation w/WS5200-1 Software, US Power Cord	\$3,564.00	\$7,128.00
5	1	VCD5202-US	Pelco Video Console Display, US Power Cord	\$3,565.00	\$3,565.00
6	1	KBD5000	Pelco ENDURA Keyboard Assembly	\$1,217.00	\$1,217.00
7	2	AL4800E89-E6	AVAYA ERS 4826GTS-PWR+ with 24 10/100/1000 802.3at PoE+ & 2 SFP	\$2,893.00	\$5,786.00
8	2	AA1419048-E6	AVAYA 1-port 1000BASE-SX Small Form Factor Pluggable (SFP) Gigabit	\$206.00	\$412.00
9	2	MRK4436-NVR	Middle Atlantic Vertical equipment rack w/ fan, filers, power strip, and doc	\$2,476.00	\$4,952.00
10	1	UPS-220R-8IP	Middle Atlantic UPS 220VA	\$2,038.00	\$2,038.00
11	1	Lot	Misc. Patch cables & connectors	\$480.00	\$480.00
12	8	HOURS	System Engineering & Design	\$166.00	\$1,328.00
13	8	HOURS	Project Management	\$90.00	\$720.00
14	32	HOURS	System Commissioning / Programming / Test & Check-out	\$115.00	\$3,680.00
15	1	LOT	Electrical Installation and Materials	\$5,785.00	\$5,785.00
				Sub-total:	\$77,132.00
				6% Sales Tax:	Exempt
				TOTAL:	\$77,132.00

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
By:		SALES
ACCEPTANCE OF QUOTATION	The prices, specifications, terms and conditions contained herein, including the reverse side hereof, are hereby accepted.	
Purchaser	Date	U:\TROYDPWENDURA UPG.XLS
		P.O. No.
By:	Title	

Date	Quotation No.
	29-Aug-14 520415-1125 -13-B
Vendor Code No.	

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 City Of Troy
DPW / Parks & Rec.
VSS ENDURA Upgrade
Proposal

Shipping Terms F.O.B. Shipping Point

Project/Reference No.	Page of
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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
			<p>Notes & Clarifications:</p> <p>1) Sales tax is not included. 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) All installation performed by union electricians. 6) Owner to provide network connection. 7) Owner to make available 110/240VAC power.</p>		

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SIMPLEXGRINNELL	TITLE
By:	
ACCEPTANCE OF QUOTATION	The prices, specifications, terms and conditions contained herein, including the reverse side hereof, are hereby accepted.
Purchaser	Date
	P.O. No.
By:	Title

SimplexGrinnell

A Division of TYCO International PD Admin Capital
\$1,460 from 401.305.7978.010 (Bal \$65,000.00)

Date	Quotation No.
	27-Oct-14 520415-1027-14-02
Vendor Code No.	

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
City Of Troy Police
Police Department
Hard Interview Room
Camera Activation

Shipping Terms F.O.B. Shipping Point

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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
	1	Lot	<p>*** City Of Troy / Police Dept. / Hard Interview Room Camera Activation ***</p> <p>Provide materials and labor to install 277VAC relay contactor to trigger camera recording upon activation of light switch in new hard interview room.</p> <p>In addition to the above our proposal includes configuration, programming, start-up and debug for the above interview room camera and associated recording alarm input.</p> <p>Materials & Services</p> <p>Electrical Installation & Materials</p> <p>Technical Services</p> <p>Notes & Clarifications:</p> <p>1) Sales tax is not included. 2) SimplexGrinnell Standard terms and conditions apply. 3) All new materials have a one-year warranty.</p>		
1	1	Lot	Electrical Installation & Materials	\$980.00	\$980.00
2	4	Hours	Technical Services	\$120.00	\$480.00
TOTAL:					\$1,460.00

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SIMPLEXGRINNELL	TITLE	J.KEITH
By:		SALES
ACCEPTANCE OF QUOTATION	The prices, specifications, terms and conditions contained herein, including the reverse side hereof, are hereby accepted.	
Purchaser	Date	U:\City of Troy\Hard Interview Rm.XLS
		P.O. No.
By:	Title	

SimplexGrinnell
A Division of TYCO International

PD Admin Capital
\$18,711 from 401.305.7978.010 (Bal \$65,000.00)

Date	Quotation No.
	29-Aug-14 520415-0506-14-02
Vendor Code No.	

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
City Of Troy
Police Department
Exterior PTZ Camera
Replacement Proposal

Shipping Terms F.O.B. Shipping Point

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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
*** CITY OF TROY / EXTERIOR PTZ CAMERA REPLACEMENT ***					
Provide materials and labor services to replace the existing exterior PTZ cameras with IP PTZ cameras at the following City of Troy locations:					
<u>Gas Pump Camera</u>					
1	1	S5230-EG0	Pelco Spectra HD 1080p 30x optical zoom, environ., pendant, grey	\$3,269.00	\$3,269.00
2	1	Lot	Electrical Installation & Materials	\$981.00	\$981.00
3	2	Hours	System Programming & Configuration	\$120.00	\$240.00
				Sub-total:	\$4,490.00
<u>NW Parking Lot Camera</u>					
4	1	S5230-EG0	Pelco Spectra HD 1080p 30x optical zoom, environ., pendant, grey	\$3,296.00	\$3,296.00
5	1	Lot	Electrical Installation & Materials	\$1,006.00	\$1,006.00
6	2	Hours	System Programming & Configuration	\$120.00	\$240.00
				Sub-total:	\$4,542.00
<u>Peace Garden Camera</u>					
7	1	S5230-EG0	Pelco Spectra HD 1080p 30x optical zoom, environ., pendant, grey	\$3,296.00	\$3,296.00
8	1	Lot	Electrical Installation & Materials	\$1,206.00	\$1,206.00
9	2	Hours	System Programming & Configuration	\$120.00	\$240.00
				Sub-total:	\$4,742.00
<u>Police Station Main Entrance Camera</u>					
10	1	S5230-EG0	Pelco Spectra HD 1080p 30x optical zoom, environ., pendant, grey	\$3,296.00	\$3,296.00
11	2	CLFE1COAX	Comnet Ethernet over Coax transmission module	\$268.00	\$536.00
12	1	Lot	Electrical Installation & Materials	\$865.00	\$865.00
13	2	Hours	System Programming & Configuration	\$120.00	\$240.00
				Sub-total:	\$4,937.00
				Sub-total:	\$18,711.00
				6% Sales Tax:	Exempt
				TOTAL:	\$18,711.00

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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:\TROY\POLICE\EXTERIOR PTZ CAME	
Purchaser	Date	P.O. No.

By: _____ Title _____

Date	Quotation No.
	29-Aug-14 520415-0506-14-02
Vendor Code No.	

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 City Of Troy
Police Department
Exterior PTZ Camera
Replacement Proposal

Shipping Terms F.O.B. Shipping Point

Project/Reference No.	Page of
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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
<p>NOTES & CLARIFICATION:</p> <p>1) Sales tax is not included. 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) All installation performed by union electricians. 6) Owner to provide network connection. 7) Owner to make available 110/240VAC power. 8) Troy Fire Dept. Bucket Truck use for access to all camera replacements. 9) All cabling will be run "open" via beam clamps, bridle rings and plenum rated cable.</p>					

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By:	
ACCEPTANCE OF QUOTATION	The prices, specifications, terms and conditions contained herein, including the reverse side hereof, are hereby accepted.
Purchaser	Date
	P.O. No.
By:	Title

SimplexGrinnell

A Division of TYCO International Training Center Capital General Equipment
\$15,415.00 from 401.264.261.7978 (Bal \$30,000.00)

Date	Quotation No.
	27-Oct-14 520415-1027-14-01
Vendor Code No.	

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
City Of Troy
Fire Department
Training Facility - Camera Replacment and Door Monitor Contacts

Shipping Terms F.O.B. Shipping Point

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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
1	1	LOT	<p>*** CITY OF TROY / FIRE TRAINING CENTER / PTZ CAMERA REPLACEMENT & DMC ***</p> <p>FURNISH MATERIALS AND LABOR SERVICES TO INSTALL/REPLACE (3) ANALOG CAMERAS WITH NEW IP CAMERAS AND INSTALL (2) NEW DOOR MONITORING CONTACTS AND ASSOCIATED MODULES AT THE TROY FIRE TRAINING CENTER . THE FOLLOWING SCOPE OF WORK INCLUDES:</p> <p>CITY TROY FIRE TRAINING CENTER:</p> <ul style="list-style-type: none"> - INSTALL / REPLACE (2) EXTERIOR ANALOG PTZ CAMERAS WITH NEW IP SPECTRA HD PTZ CAMERAS. - INSTALL / REPLACE (1) INTERIOR ANALOG PTZ CAMERAS WITH NEW IP SPECTRA HD PTZ CAMERA IN GARAGE APPARATUS. - INSTALL (3) SETS OF MEDIA CONVERTERS TO SUPPORT ABOVE CAMERA INSTALLATION. - INSTALL (2) SURFACE MOUNT DOOR MONITORING CONTACTS ON FIRE STORAGE ROOM DOUBLE DOORS. - INSTALL (1) NEW INPUT MODULE IN CONTROL PANEL TO SUPPORT ABOR DMC INSTALLATION. - MAKE NECESSARY TERMINATIONS AND CONNECTIONS TO TO CAMERAS AND NETWORK SWITCHES. - PROVIDE SYSTEM PROGRAMMING AND START-UP. <p>MATERIALS AND SERVICES:</p>		
2	2	S5230-EG0	PELCO SPECTRA HD 1080p 30x OPTICAL ZOOM, ENVIRON., PENDA	\$3,269.00	\$6,538.00
3	1	S5230-PG0	PELCO SPECTRA HD 1080p 30x OPTICAL ZOOM, INTERIOR, PENDA	\$2,969.00	\$2,969.00
4	6	CLFE1COAX	COMNET ETHERNET OVER COAS TRANSMISSION MODULE	\$268.00	\$1,608.00
5	2	2500	GE SURFACE MOUNT DOOR ALARM CONTACT	\$39.00	\$78.00
6	1	UI-8-10	CONTINUUM DIGITAL INPUT MODULE	\$247.00	\$247.00
7	14	HOUR	SYSTEM PROGRAMMING & CONFIGURATION	\$120.00	\$1,680.00
8	1	Lot	ELECTRICAL INSTALLATION & MATERIALS	\$2,295.00	\$2,295.00
TOTAL:					\$15,415.00

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SIMPLEXGRINNELL	TITLE	J.KEITH
By:		SALES
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Purchaser	Date	U:\TROY\FIRE\CAMERA REPLACMENT.;
		P.O. No.
By:	Title	

Date	Quotation No.
	27-Oct-14 520415-1027-14-01
Vendor Code No.	

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 City Of Troy
Fire Department
Training Facility - Camera Replacement and Door Monitor Contacts

Shipping Terms F.O.B. Shipping Point

Project/Reference No.	Page of
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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
			<p>NOTES & CLARIFICATION TO OUR BID:</p> <p>1) SALES TAX IS NOT INCLUDED. 2) SIMPLEXGRINNELL STANDARD TERMS AND CONDITIONS APPLY. 3) ALL NEW MATERIALS HAVE A ONE YEAR WARRANTY. 4) ALL INSTALLTION TO BE PERFORMED DURING NORMAL WORKING HOURS. 5) ALL INSTALLATION PERFORMED UNION ELECTRICIANS. 6) OWNER TO PROVIDE NETWORK CONNECTIONS. 7) OWNER TO MAKE AVAILABLE 110/240VAC POWER. 8) TROY FIRE DEPT. BUCKET TRUCK USE FOR ACCESS TO ALL CAMERA REPLACEMENTS. 9) ALL CABLING WILL BE RUN "OPEN" VIA BEAM CLAMPS, BRIDLE RINGS AND PLENUM RATED CABLE.</p>		

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Purchaser	Date
	P.O. No.
By:	Title