



CITY COUNCIL ACTION REPORT

January 26, 2009

TO: Phillip L. Nelson, City Manager

FROM: John M. Lamerato, Assistant City Manager/Finance & Administration
Brian P. Murphy, Assistant City Manager/Economic Development Services
Susan A. Leirstein, Purchasing Director
Charles T. Craft, Police Chief
William S. Nelson, Fire Chief
Carol K. Anderson, Parks & Recreation Director
Cathleen A. Russ, Library Director
Timothy L. Richnak, Public Works Director

SUBJECT: Bid Waiver: Integrated Security Management System Expansion Project

Background

- SimplexGrinnell Fire Protection and Security Services provided the security system during the Police and Fire Building Renovation and Addition project. SimplexGrinnell was the primary contractor and responsible for installation and programming of this complex and comprehensive system.
- During the past three years, the system has been expanded to provide video security and access control by installing cameras, card readers, and panic alarms at the DPW Facility. Card readers and panic alarms have also been installed in the Finance, Information Technology, and City Clerk Offices. As City Hall renovation continues, it is anticipated the system will be expanded to include selected components in other departments.
- The controlling software application is “Continuum” by Andover Controls. This application is programmed to control every piece of hardware in the security system. Due to the complexity of the system, it is desirable to allow the company who programmed and currently maintains the system to expand the application, thus avoiding corruption of the programming.
- By utilizing existing access controlling hardware and software, costs are minimized and standardization established for all facilities. Further, by utilizing the existing security system infrastructure and LAN/WAN network, optimum system functionality is met.

January 26, 2009

To: Phillip L. Nelson, City Manager

Re: Waiver – Integrated Security Management System Expansion Project

Background - continued

- The proposed system provides the ability to control and monitor all aspects of the security system locally at all facilities; but also provides remote access for the Police department to monitor video and alarms from a central location. This benefits the Police department who may have to respond to an alarm or other type of incident at any City facility.
- This is an ongoing project proposed by the City's Workplace Security Committee to make the surrounding environment safe and secure for all who work in and patronize our facilities.

Financial Considerations

- Over the last few years, monies have been budgeted in the various capital fund accounts to secure and monitor the facilities by utilizing the existing security system infrastructure.
- If available, grant monies will be pursued to help offset the cost of the project.

Legal Considerations

- Formal bidding procedures are waived, as no benefit would be derived from soliciting formal bids.

Policy Considerations

- Troy continues to enhance the health and safety of the community. (Outcome Statement I)
- Troy adds value to properties through maintenance or upgrades of infrastructure and quality of life venues. (Outcome Statement II)

Options

- City management is requesting a waiver of the formal bid process and authorization to utilize the services of SimplexGrinnell of Farmington Hills to expand the integrated security management system project to include the various facilities as detailed in the attached proposal dated 2/4/2009 at an estimated total cost of \$284,987.00, less 5% discount of \$14,249.00 for a net total estimated cost of \$270,738.00.

Information provided by: Wendell Moore, Research-Tech Administrator
G:/Bid Award 08-09 New Format/Regular Business-Waiver-Security System City Facilities 01.09.doc

tyco

Fire &
Security

SimplexGrinnell

February 4, 2009

City Of Troy
Police Department
500 West Big Beaver Road
Troy, MI. 48084

Attn: Wendell Moore

Re: City of Troy Facilities
Security System Upgrades

Dear Mr. Moore:

SimplexGrinnell submits the following cost proposal to furnish labor and materials for the installation of security surveillance cameras, access control and alarm monitoring systems at the City of Troy facilities. Our proposal includes the following, statement of work, scope of services, clarification, and bill of materials.

This proposal is based on our recent meetings and site survey of the identified facilities. SimplexGrinnell's design team has spent considerable time and effort analyzing the various aspects of this project and we feel that we have assembled a response, which will meet the objectives set forth in your documentation. The results are as follows:

STATEMENT OF WORK

A. Objective:

City of Troy seeks a method to secure and monitor their facility through the use of their proprietary security system infrastructure. The proposed security system upgrades shall have the ability to monitor and control access to the building perimeters, and survey their surrounding areas. The system shall utilize the City of Troy's existing security system infrastructure and LAN/WAN network to optimize system functionality. The proposed system must have the ability to control and monitor all aspects of the security management system locally at each facility.

B. Solution:

This can be achieved by SimplexGrinnell acting as the Prime Contractor and accepting responsibility for equipment procurement, installation, and coordination of the projects. This responsibility includes engineering, detail design layouts, equipment, fabrication and assembly, system programming, electrical installation and materials, testing, training, and warranty support as outlined in the Scope of Services section of this document.

C. Benefits

- One common system providing standardization.
- Secured and controlled point of entry.
- Centralized alarm monitoring.
- Same security supplier used at other City Of Troy facilities.
- Turnkey installation, reducing design and implementation cost.
- Reduced administration cost, utilizing one contractor.
- Expedite commissioning, utilizing one contractor.

D. Customer Requirements

The customer is required to provide the following:

- Owner to furnish all network connection to SimplexGrinnell equipment as required.
- Owner to make available 110VAC/240VAC power required for all control equipment.
- Owner to provide access to all areas where work will commence.
- Owner to furnish all PC hardware.

SCOPE OF WORK

Nature Center:

1. Phone Room – SG will supply and install head-end equipment in the server / phone room this will consist of; (1) digital video recorder w/ software, (1) 15” color flat screen display monitor, (1) keyboard & mouse, (1) power distribution unit, (1) UPS back-up system, (1) wall mounted vertical equipment rack with associated front door, lock hardware, and venting fans.
2. Exterior Camera #1 – Furnish and install a PTZ camera on the south east corner of building viewing the main walk-way, sugar shack and surrounding areas.
3. Exterior Camera #2– Furnish and install a PTZ camera on the west / center of the rear building viewing the nature trail, exterior building perimeter, and rear porch area.
4. Exterior Camera #3 – Furnish and install a PTZ camera on the north / west corner of building viewing north fence access to property, and building perimeter.
5. Interior Camera #4 through 10 – Furnish and install fixed position dome cameras to view the following area:
 - Main entrance vestibule
 - New lobby / children’s area
 - Customer cash counter
 - Gift shop area
 - Storage room area
 - Class room entrances (2 qty)
 - Rear seating area and exterior entrance
6. Services - SimplexGrinnell will provide the above equipment, engineering & design, calculations, installation, raceways, wiring, project coordination, programming, fabrication, testing, commissioning, and training as outlined in this Scope of Work.

SCOPE OF WORK

Parks and Recreation Maintenance Facility:

7. Phone Room – SG will supply and install head-end equipment in the server / phone room this will consist of; (1) digital video recorder w/ software, (1) 15” color flat screen display monitor, (1) keyboard & mouse, (1) power distribution unit, (1) UPS back-up system, (1) wall mounted vertical equipment rack with associated front door, lock hardware, and venting fans.
8. Interior Camera #1 through 8 – Furnish and install fixed position dome cameras to view the following area:
 - o Main entrance vestibule
 - o Rear entrance vestibule
 - o Employee lunch room viewing athletic and general storage doors (2 qty.)
 - o Tool room general view
 - o Garage area (3 qty.)
9. Card Access #1 – Furnish and install security card reader on the front door entrance to monitor and control access into the facility.
10. Card Reader #2 – Furnish and install a security card reader on the rear door to monitor and control access into the facility.
11. Door Monitors – Furnish and install door alarm contacts on all perimeter man doors and overhead doors to monitor for forced entry after hours. (5 man doors, 4 overhead doors)
12. Phone Room – SG will supply and install head-end equipment in the server / phone room this will consist of; (1) network controller with power supply, enclosure, and batteries, (2) access control door modules, (1) universal input module, and (1) auxiliary power supply unit with batteries.
13. Services - SimplexGrinnell will provide the above equipment, engineering & design, calculations, installation, raceways, wiring, project coordination, programming, fabrication, testing, commissioning, and training as outlined in this Scope of Work.

SCOPE OF WORK

Aquatic Center:

14. Phone Room – SG will supply and install head-end equipment in the server / phone room this will consist of; (1) digital video recorder w/ software, (1) 15” color flat screen display monitor, (1) keyboard & mouse, (1) power distribution unit, (1) UPS back-up system, (1) wall mounted vertical equipment rack with associated front door, lock hardware, and venting fans.
15. Exterior Camera #1 & 2 – Furnish and install two fixed color cameras viewing the walk-up cash area.
16. Interior Camera #3– Furnish and install a fixed color camera in the cash room area viewing the tellers and cash drawers.
17. Exterior Camera #4 through 8 – Furnish and install fixed position dome cameras to view the following area:
 - Employee entrance north side
 - Main pool viewing
 - Kidde pool viewing
 - Kidde sand box viewing
 - South door entrance
18. Services - SimplexGrinnell will provide the above equipment, engineering & design, calculations, installation, raceways, wiring, project coordination, programming, fabrication, testing, commissioning, and training as outlined in this Scope of Work.

SCOPE OF WORK

Public Library:

19. Phone Room – SG will supply and install head-end equipment in the server / phone room this will consist of; (1) digital video recorder w/ software, (1) 15” color flat screen display monitor, (1) keyboard & mouse, (1) power distribution unit, (1) UPS back-up system, (1) Video coax patch (splice) panel, (1) wall mounted vertical equipment rack with associated front door, lock hardware, and venting fans.
20. Interior Camera #1 through 7 – Furnish labor and materials to replace (7) existing fixed position cameras with new approved fixed position ceiling dome cameras with associated power supplies, and mounting hardware. Cameras locations are as follows:
 - o West entrance vestibule
 - o Main entrance vestibule
 - o Adult services / librarian area (2 qty)
 - o Reference & browsing library area
 - o Magazine area
 - o Youth entrance vestibule
21. Card Access #1 – Furnish and install security card reader and associated devices on the at the west entrance to monitor and control access into the facility.
22. Card Reader #2 – Furnish and install a security card reader and associated devices at the rear staff entrance to monitor and control access into the facility.
23. Card Reader #3 – Furnish and install a security card reader and associated devices at the staff lounge entrance to monitor and control access into the area.
24. Card Reader #4 – Furnish and install a security card reader and associated devices at the technology department office to monitor and control access into the facility.
25. Phone Room – SG will supply and install head-end equipment in the server / phone room this will consist of; (1) network controller with power supply, enclosure, and batteries, (4) access control door modules, (1) universal input module, and (1) auxiliary power supply unit with batteries.
26. Services - SimplexGrinnell will provide the above equipment, engineering & design, calculations, installation, raceways, wiring, project coordination, programming, fabrication, testing, commissioning, and training as outlined in this Scope of Work.

SCOPE OF WORK

Community Center:

27. Phone Room – SG will supply and install head-end equipment in the server / phone room this will consist of; (1) digital video recorder w/ software, (1) 15” color flat screen display monitor, (1) keyboard & mouse, (1) power distribution unit(1) UPS back-up system,, (1) Video coax patch (splice) panel, (1) wall mounted vertical equipment rack with associated front door, lock hardware, and venting fans.
28. Existing Monitoring Location –Furnish and install (2) 32” flat panel LCD displays with associated mounting hardware. Furnish and install (1) video junction box and extend existing cabling to phone room closet and terminate at newly proposed head-end equipment rack.
29. Exterior PTZ Cameras – Furnish labor and materials to replace (3) existing exterior PTZ cameras with new approved PTZ cameras with associated power supply and mounting hardware. Cameras locations are as follows:
 - o North entrance and parking lot area
 - o Main entrance and parking lot area
 - o S.E corner of the outdoor play area
30. Existing Fixed Cameras – Furnish labor and materials to replace existing video connection and realign / adjust (25) existing fixed cameras.
31. New Fixed Cameras – Furnish labor and materials to install (4) new additional fixed cameras with associated cabling to provide adequate coverage of the pool and basketball court area.

SCOPE OF WORK

Fire Training Center:

32. Phone Room – SG will supply and install head-end equipment in the server / phone room this will consist of; (1) digital video recorder w/ software, (1) 15” color flat screen display monitor, (1) keyboard & mouse, (1) power distribution unit, (1) UPS back-up system, (1) wall mounted vertical equipment rack with associated front door, lock hardware, and venting fans.
33. Interior Camera #1 through 11 – Furnish and install fixed position dome cameras to view the following area:
 - o Vestibule
 - o Kitchen
 - o Classrooms 1,2,& 3
 - o Mid Corridor viewing Hall B
 - o South Corridor viewing North
 - o North Corridor viewing entrance
 - o Equipment Storage
 - o North West garage viewing North East
 - o South West garage viewing North East
34. Exterior Camera #12 – Furnish and install a pole mounted PTZ camera on the south side of the main lot viewing the south side of the building.
35. Exterior Camera #13 – Furnish and install a pole mounted PTZ camera on the north east side of the training lot viewing the north side of the building.
36. Card Access #1 – Furnish and install security card reader and associated devices at the main south entrance to monitor and control access into the facility.
37. Card Reader #2 – Furnish and install security card reader and associated devices at the north entrance to monitor and control access into the facility.
38. Card Reader #3 – Furnish and install security card reader and associated devices at the south garage pedestrian entrance to monitor and control access into the facility.
39. Card Reader #4 – Furnish and install security card reader and associated devices at the north garage pedestrian entrance to monitor and control access into the facility.
40. Card Reader #5 – Furnish and install security card reader and associated devices at the south equipment storage door to monitor and control access into the area.
41. Phone Room – SG will supply and install head-end equipment in the server / phone room this will consist of; (1) network controller with power supply, enclosure, and batteries, (2) access control door modules, (1) universal input module, and (1) auxiliary power supply unit with batteries.
42. Services - SimplexGrinnell will provide the above equipment, engineering & design, calculations, installation, raceways, wiring, project coordination, programming, fabrication, testing, commissioning, and training as outlined in this Scope of Work.

Department of Public Works:

- 43. Exterior Camera #1 – Furnish and install roof mounted fixed dome camera on the south side of the parks and rec. building to view the gas pumps.
- 44. Interior Camera #2 & 3 – Furnish and install fixed position dome cameras to view the following area:
 - o Lunch Room / Vending Area
 - o Administration Area / Hallway
- 45. Exterior Camera #4 & 5 – Furnish and install (2) roof mounted PTZ camera on the south west corner and on the north east corner of building 4699 to view the west side of the DPW storage lots.

PRICING

Nature Center	\$36,852.00
Parks & Rec. Maintenance Facility	\$38,616.00
Aquatic Center	\$45,946.00
Public Library	\$41,226.00
Community Center	\$36,054.00
Fire Training Facility.....	\$66,506.00
Depart. Of Public Works.....	\$19,787.00

TOTAL COST: \$284,987.00

We are offering a *Cost Reduction* option of **5%** if all three proposed facilities are accepted, this is a cost saving of **\$14,249.00**. The result of this cost saving will bring our new total systems cost to; **\$270,738.00**.

Note above pricing per City of Troy Material & labor Blanket Pricing Agreement

CLARIFICATIONS TO OUR BID

1. Sales or use tax in not included.
2. This proposal is valid for thirty days from the date of this proposal.
3. All pricing per City of Troy material & labor blanket pricing agreement.
4. A one year warranty is included on all above materials and labor.
5. All 110vac power to be available within 25' of camera source.
6. Painting of camera housings not included.
7. Owner to furnish all network connections as required.
8. Our proposal is based upon straight time 1st shift, Monday-Friday 7:00 am - 3:30 PM, weather permitting.
9. Owner to provide access to areas required to perform the above referenced work.
10. Our proposal does not include permits and fees.
11. Owner to furnish all site work (i.e.; saw cutting, trenching, concrete pads, etc.) as required for gate operator installation.
12. Owner to furnish miscellaneous door hardware, and alignments as necessary.

PROPOSAL ACCEPTANCE

We have executed this copy of our proposal. If this meets your approval, please confirm your agreement with our proposal as outlined above with your countersignature on a copy of this proposal and return it to SimplexGrinnell via fax at 248-426-6655 and/or US mail.

This proposal is valid for thirty days from the date of this proposal.

Should this proposal not be accepted within thirty days from the date of proposal, SimplexGrinnell reserves the right to review and update this proposal.

SimplexGrinnell and its business partners have the experience and resources to successfully complete this project and we would appreciate the opportunity to be of service.

If you should have any questions please feel free to give us a call.

Respectfully Submitted,
SimplexGrinnell LP



John E. Keith
Account Manager



Fire & Security

SimplexGrinnell

A Division of TYCO International

QUOTATION

Date	Quotation No.
04-Feb-09	520415-1216-08-02
Vendor Code No.	

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

To: **City Of Troy - Police Department**
 500 W.BIG BEAVER ROAD
 TROY, MI. 48084
 ATTN: WENDELL MOORE

Job Name and Address
CITY OF TROY FACILITIES
SECURITY SYSTEMS UPGRADES
REQUEST FOR PROPOSAL

Shipping Terms F.O.B. Shipping Point

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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
*** CITY OF TROY FACILITIES / SECURITY SYSTEM UPGRADES ***					
SIMPLEXGRINNELL WILL FURNISH LABOR AND MATERIALS TO INSTALL SECURITY SYSTEM UPGRADES TO THE CITY OF TROY FACILITIES AS OUTLINED IN OUR PROPOSAL DATED 12/16/08.					
OUR PROPOSAL INCLUDES THE NECESSARY ENGINEERING, EQUIPMENT LABOR, MATERIALS, PROGRAMMING, PROJECT MANAGEMENT, START-UP / DEBUG, TRAINING, REQUIRED TO COMPLETE THE SUBJECT PROJECT. THE FOLLOWING IS A LIST MATERIALS AND SERVICES REQUIRED FOR EACH RESPECTIVE FACILITY.					
NATURE CENTER:					
1	7	ICS151-CRV3A	PELCO CAMCLOSURE IN CEILING CLEAR DOME CAMERA, COLOR 24VDC, TAMPER-RESISTANT, VARIFOCAL LENS	\$483.00	\$3,381.00
2	7	ISC150-P	CAMCLOSURE 2X2 FT CEILING PANEL	\$30.00	\$210.00
3	3	SD4C22-PG-E0	PELCO SPECTRA IV SE ENVIRONMENTAL CAMERA, PND, COL 22X	\$2,342.00	\$7,026.00
4	3	SWM-GY	PELCO WALL MOUNT BRACKET	\$34.00	\$102.00
5	3	WCS1-4	PELCO CAMERA POWER SUPPLY	\$114.00	\$342.00
6	1	MCS16-20S	PELCO CAMERA POWER SUPPLY 20AMP, 16 SWITCHED FUSED	\$219.00	\$219.00
7	1	IN3535-1V-1C-1D	PELCO XPRESS 16 CHNNL DVR, W/ 1TB STORAGE	\$8,750.00	\$8,750.00
8	1	PMCL317	PELCO 17" FLAT PANEL LCD MONITOR RACK MNT	\$675.00	\$675.00
9	1	915844	APC BACK-UPS TRIPLITE SMART VA SYSTEM	\$512.00	\$512.00
10	1	RM-KB	MIDDLE ATLANTIC RACK MOUNT KEYBOARD AND MOUSE	\$519.00	\$519.00
11	1	DWR-21-22	MIDDLE ATLANTIC 21 SPACE SECTIONAL WALL RACK	\$451.00	\$451.00
12	1	PD-915R	MIDDLE ATLANTIC POWER STRIP	\$55.00	\$55.00
13	10	YV-83BB3BK	COAX JUMPER CABLES	\$5.00	\$50.00
14	8	HOURS	SYSTEM ENGINEERING AND DESIGN	\$166.00	\$1,328.00
15	38	HOURS	HARDWIRED SYSTEM SERVICE	\$88.00	\$3,344.00
16	16	HOURS	PROJECT MANAGEMENT & COORDINATION	\$88.00	\$1,408.00
17	1	LOT	ELECTRICAL INSTALLATION AND MATERIALS	\$8,480.00	\$8,480.00
Sub-total:					\$36,852.00

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	c:\Troy Facilities Security Systems.XLS
		P.O. No.

By: _____ Title _____



Fire & Security

SimplexGrinnell

A Division of TYCO International

QUOTATION

Date	Quotation No.
04-Feb-09	520415-1216-08-02
Vendor Code No.	

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

TO: City Of Troy - Police Department
 500 W.BIG BEAVER ROAD
 TROY, MI. 48084
 ATTN: WENDELL MOORE

Job Name and Address
CITY OF TROY FACILITIES
SECURITY SYSTEMS UPGRADES
REQUEST FOR PROPOSAL

Shipping Terms F.O.B. Shipping Point

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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
PARKS & RECREATION MAINTENANCE:					
18	8	ICS151-CRV3A	PELCO CAMCLOSURE IN CEILING CLEAR DOME CAMERA, COLOR 24VDC, TAMPER-RESISTANT, VARIFOCAL LENS	\$448.00	\$3,584.00
19	8	ISC150-P	CAMCLOSURE 2X2 FT CEILING PANEL	\$30.00	\$240.00
20	1	MCS16-20S	PELCO CAMERA POWER SUPPLY 20AMP, 16 SWITCHED FUSED	\$219.00	\$219.00
21	1	IN3535-1V-1C-1D	PELCO XPRESS 16 CHNNL DVR, W/ 1TB STORAGE	\$8,750.00	\$8,750.00
22	1	PMCL317	PELCO 17" FLAT PANEL LCD MONITOR RACK MNT	\$675.00	\$675.00
23	1	915844	APC BACK-UPS TRIPLITE SMART VA SYSTEM	\$512.00	\$512.00
24	1	RM-KB	MIDDLE ATLANTIC RACK MOUNT KEYBOARD AND MOUSE	\$519.00	\$519.00
25	1	DWR-21-22	MIDDLE ATLANTIC 21 SPACE SECTIONAL WALL RACK	\$451.00	\$451.00
26	1	PD-915R	MIDDLE ATLANTIC POWER STRIP	\$55.00	\$55.00
27	8	YV-83BB3BK	COAX JUMPER CABLES	\$5.00	\$40.00
28	1	8M-16/O-T-M	TAC NETCONTROLLER +8M NETLAAN, AND MODEM	\$2,160.00	\$2,160.00
29	1	PS120/240-AC85U	TAC POWER SUPPLY MODULE	\$280.00	\$280.00
30	2	01-2100-423	TAC CONTINUUM BATTERY 12V	\$16.00	\$32.00
31	1	01-0010-868	TAC BATTERY CLAMPS AND CABLES	\$7.00	\$7.00
32	1	01-0010-840	TAC MALE CONNECTORS FOR I/O BUS (20 PER PCKG)	\$42.00	\$42.00
33	1	AL600ULX	ALTRONIX AUXILIARY POWER SUPPLY	\$230.00	\$230.00
34	1	G-G-G	TAC ENCLOSURE ASSEMBLY	\$418.00	\$418.00
35	2	AC-1	TAC READER MODULE	\$245.00	\$490.00
36	2	PR5355	HID PROXIMITY CARD READER	\$290.00	\$580.00
37	2	1076	GE DOOR ALARM MONITORING CONTACTS	\$35.00	\$70.00
38	2	DS150I	DSI REQUEST TO EXIT MOTION DETECTORS	\$142.00	\$284.00
39	2	6111	VON DUPRIN ELECTRIC STRIKE	\$388.00	\$776.00
40	12	HOURS	SYSTEM ENGINEERING AND DESIGN	\$166.00	\$1,992.00
41	52	HOURS	HARDWIRED SYSTEM SERVICE	\$88.00	\$4,576.00
42	24	HOURS	PROJECT MANAGEMENT & COORDINATION	\$88.00	\$2,112.00
43	1	LOT	ELECTRICAL INSTALLATION AND MATERIALS	\$9,082.00	\$9,082.00
	1	LOT	LOCKSMITH INSTALLATION	\$440.00	\$440.00
Sub-total:					\$38,616.00

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	
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	



Fire & Security

SimplexGrinnell

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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
AQUATIC CENTER:					
44	1	ICS151-CRV3A	PELCO CAMCLOSURE IN CEILING CLEAR DOME CAMERA, COLOR	\$483.00	\$483.00
45			24VDC, TAMPER-RESISTANT, VARIFOCA LENS		
46	1	ISC150-P	CAMCLOSURE 2X2 FT CEILING PANEL	\$30.00	\$30.00
47	7	DF5HD-PG-E1	PELCO DF5 OUTDOOR DOMEPAK (DAY/NIGHT W/ WDR, CLEAR, 2.8	\$818.00	\$5,726.00
48	7	DF5LINERKIT	SLOTTED DOME LINER KIT	\$14.00	\$98.00
49	7	IWM-GY	WALL MOUNT BRACKET	\$72.00	\$504.00
50	7	WCS1-4	PELCO CAMERA POWER SUPPLY	\$114.00	\$798.00
51	3	CM400	PELCO CORNER MOUNT ADAPTER	\$37.00	\$111.00
52	1	MCS16-20S	PELCO CAMERA POWER SUPPLY 20AMP, 16 SWITCHED FUSED	\$219.00	\$219.00
53	1	IN3535-1V-1C-1D	PELCO XPRESS 16 CHNNL DVR, W/ 1TB STORAGE	\$8,750.00	\$8,750.00
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55	1	915844	APC BACK-UPS TRIPLITE SMART VA SYSTEM	\$512.00	\$512.00
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57	1	DWR-21-22	MIDDLE ATLANTIC 21 SPACE SECTIONAL WALL RACK	\$451.00	\$451.00
58	1	PD-915R	MIDDLE ATLANTIC POWER STRIP	\$55.00	\$55.00
59	10	YV-83BB3BK	COAX JUMPER CABLES	\$5.00	\$50.00
60	5	M5-PTZ900	MICROTEK WIRELESS TRANSMITTER / RECEIVER	\$797.00	\$3,985.00
61	8	HOURS	SYSTEM ENGINEERING AND DESIGN	\$166.00	\$1,328.00
62	38	HOURS	HARDWIRED SYSTEM SERVICE	\$88.00	\$3,344.00
63	16	HOURS	PROJECT MANAGEMENT & COORDINATION	\$88.00	\$1,408.00
64	1	LOT	ELECTRICAL INSTALLATION AND MATERIALS	\$16,900.00	\$16,900.00
Sub-total:					\$45,946.00

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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. c:\Troy Facilities Security Systems.XLS

Purchaser	Date	P.O. No.
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By:	Title
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Fire & Security

SimplexGrinnell

A Division of TYCO International

QUOTATION

Date	Quotation No.
04-Feb-09	520415-1216-08-02
Vendor Code No.	

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

TO: City Of Troy - Police Department
 500 W.BIG BEAVER ROAD
 TROY, MI. 48084

ATTN: WENDELL MOORE

Job Name and Address
CITY OF TROY FACILITIES
SECURITY SYSTEMS UPGRADES
REQUEST FOR PROPOSAL

Shipping Terms F.O.B. Shipping Point

Project/Reference No.	Page of
	4 9

ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
			PUBLIC LIBRARY:		
65	7	ICS151-CRV3A	PELCO CAMCLOSURE IN CEILING CLEAR DOME CAMERA, COLOR 24VDC, TAMPER-RESISTANT, VARIFOCA LENS	\$483.00	\$3,381.00
66	7	ISC150-P	CAMCLOSURE 2X2 FT CEILING PANEL	\$30.00	\$210.00
67	1	MCS16-20S	PELCO CAMERA POWER SUPPLY 20AMP, 16 SWITCHED FUSED	\$219.00	\$219.00
68	1	IN3535-1V-1C-1D	PELCO XPRESS 16 CHNNL DVR, W/ 1TB STORAGE	\$8,750.00	\$8,750.00
69	1	PMCL317	PELCO 17" FLAT PANEL LCD MONITOR RACK MNT	\$675.00	\$675.00
70	1	915844	APC BACK-UPS TRIPLITE SMART VA SYSTEM	\$512.00	\$512.00
71	1	RM-KB	MIDDLE ATLANTIC RACK MOUNT KEYBOARD AND MOUSE	\$519.00	\$519.00
72	1	DWR-21-22	MIDDLE ATLANTIC 21 SPACE SECTIONAL WALL RACK	\$451.00	\$451.00
73	1	PD-915R	MIDDLE ATLANTIC POWER STRIP	\$55.00	\$55.00
74	7	YV-83BB3BK	COAX JUMPER CABLES	\$5.00	\$35.00
75	1	8M-16/O-T-M	TAC NETCONTROLLER +8M NETLAAN, AND MODEM	\$2,160.00	\$2,160.00
76	1	PS120/240-AC85U	TAC POWER SUPPLY MODULE	\$280.00	\$280.00
77	2	01-2100-423	TAC CONTINUUM BATTERY 12V	\$16.00	\$32.00
78	1	01-0010-868	TAC BATTERY CLAMPS AND CABLES	\$7.00	\$7.00
79	1	01-0010-840	TAC MALE CONNECTORS FOR I/O BUS (20 PER PCKG)	\$42.00	\$42.00
80	1	AL600ULX	ALTRONIX AUXILIARY POWER SUPPLY	\$230.00	\$230.00
81	1	G-G-G	TAC ENCLOSURE ASSEMBLY	\$418.00	\$418.00
82	4	AC-1	TAC READER MODULE	\$245.00	\$980.00
83	4	PR5355	HID PROXIMITY CARD READER	\$290.00	\$1,160.00
84	4	1076	GE DOOR ALARM MONITORING CONTACTS	\$35.00	\$140.00
85	4	DS150I	DSI REQUEST TO EXIT MOTION DETECTORS	\$142.00	\$568.00
86	4	6111	VON DUPRIN ELECTRIC STRIKE	\$388.00	\$1,552.00
87	8	HOURS	SYSTEM ENGINEERING AND DESIGN	\$166.00	\$1,328.00
88	38	HOURS	HARDWIRED SYSTEM SERVICE	\$88.00	\$3,344.00
89	16	HOURS	PROJECT MANAGEMENT & COORDINATION	\$88.00	\$1,408.00
90	1	LOT	ELECTRICAL INSTALLATION AND MATERIALS	\$11,890.00	\$11,890.00
91	1	LOT	LOCKSMITH INSTALLATION	\$880.00	\$880.00
Sub-total:					\$41,226.00

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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	c:\Troy Facilities Security Systems.XLS
		P.O. No.
By:	Title	



Fire & Security

SimplexGrinnell

A Division of TYCO International

QUOTATION

Date	Quotation No.
04-Feb-09	520415-1216-08-02
Vendor Code No.	

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

TO: City Of Troy - Police Department

500 W.BIG BEAVER ROAD
TROY, MI. 48084

ATTN: WENDELL MOORE

Job Name and Address
CITY OF TROY FACILITIES
SECURITY SYSTEMS UPGRADES
REQUEST FOR PROPOSAL

Shipping Terms F.O.B. Shipping Point

Project/Reference No.	Page of
	5 9

ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
			COMMUNITY CENTER:		
92	4	ISC100-CRV3A	PELCO INTERIOR WALL FIXED CAMERA W/ LENS	\$387.00	\$1,548.00
93	4	ISC100-PG	PELCO INTERIOR PENDANT MOUNT ADAPTER	\$24.00	\$96.00
94	4	MRCA	PELCO CEILING MOUNT ADAPTER	\$23.00	\$92.00
95	3	SD4C22-PG-E0	PELCO SPECTRA IV SE ENVIRONMENTAL CAMERA, PND, COL 22X	\$2,342.00	\$7,026.00
96	3	SWM-GY	PELCO WALL MOUNT BRACKET	\$34.00	\$102.00
97	3	WCS1-4	PELCO CAMERA POWER SUPPLY	\$114.00	\$342.00
98	1	MCS16-20S	PELCO CAMERA POWER SUPPLY 20AMP, 16 SWITCHED FUSED	\$219.00	\$219.00
99	1	IN3540-2V-1C-1D	PELCO XPRESS 32 CHNNL DVR, W/ 1TB STORAGE	\$11,108.00	\$11,108.00
100	1	PMCL317	PELCO 17" FLAT PANEL LCD MONITOR RACK MNT	\$675.00	\$675.00
101	1	915844	APC BACK-UPS TRIPLITE SMART VA SYSTEM	\$512.00	\$512.00
102	1	RM-KB	MIDDLE ATLANTIC RACK MOUNT KEYBOARD AND MOUSE	\$519.00	\$519.00
103	1	DWR-21-22	MIDDLE ATLANTIC 21 SPACE SECTIONAL WALL RACK	\$451.00	\$451.00
104	1	PD-915R	MIDDLE ATLANTIC POWER STRIP	\$55.00	\$55.00
105	32	YV-83BB3BK	COAX JUMPER CABLES	\$5.00	\$160.00
106	2	N3260W	VIEWSONIC 32 LCD FLAT SCREEN DISPLAY	\$959.00	\$1,918.00
107	2	WMK-013	VIEWSONIC UNIVERSAL LCD WALL MOUNT	\$222.00	\$444.00
108	1	KBD4000	PELCO KEYBOARD CONTROLLER	\$523.00	\$523.00
109	1	KBDKIT	KEYBOARD WIRING KIT	\$14.00	\$14.00
110	10	HOURS	SYSTEM ENGINEERING AND DESIGN	\$166.00	\$1,660.00
111	28	HOURS	HARDWIRED SYSTEM SERVICE	\$88.00	\$2,464.00
112	18	HOURS	PROJECT MANAGEMENT & COORDINATION	\$88.00	\$1,584.00
113	1	LOT	ELECTRICAL INSTALLATION AND MATERIALS	\$4,542.00	\$4,542.00
Sub-total:					\$36,054.00

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

c:\Troy Facilities Security Systems.XLS

By: _____ Title



Fire & Security

QUOTATION

SimplexGrinnell

A Division of TYCO International

Date	Quotation No.
	04-Feb-09 520415-1216-08-02
Vendor Code No.	

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

TO: City Of Troy - Police Department
 500 W.BIG BEAVER ROAD
 TROY, MI. 48084
 ATTN: WENDELL MOORE

Job Name and Address
CITY OF TROY FACILITIES
SECURITY SYSTEMS UPGRADES
REQUEST FOR PROPOSAL

Shipping Terms F.O.B. Shipping Point

Project/Reference No.	Page of
	6 9

ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
FIRE TRAINING CENTER:					
114	2	ISC100-CRV3A	PELCO INTERIOR WALL FIXED CAMERA W/ LENS	\$387.00	\$774.00
115	2	ISC100-PG	PELCO INTERIOR PENDANT MOUNT ADAPTER	\$24.00	
116	2	MRCA	PELCO CEILING MOUNT ADAPTER	\$23.00	\$46.00
117	7	ICS151-CRV3A	PELCO CAMCLOSURE IN CEILING CLEAR DOME CAMERA, COLOR 24VDC, TAMPER-RESISTANT, VARIFOCA LENS	\$483.00	\$3,381.00
118	7	ISC150-P	CAMCLOSURE 2X2 FT CEILING PANEL	\$30.00	\$210.00
119	2	SD4C22-PG-E0	PELCO SPECTRA IV SE ENVIRONMENTAL CAMERA, PND, COL 22X	\$2,342.00	\$4,684.00
120	2	SWM-GY	PELCO WALL MOUNT BRACKET	\$34.00	\$68.00
121	2	WCS1-4	PELCO CAMERA POWER SUPPLY	\$114.00	\$228.00
122	1	MCS16-20S	PELCO CAMERA POWER SUPPLY 20AMP, 16 SWITCHED FUSED	\$219.00	\$219.00
123	1	QD4CON2	SILENT WITNESS QUAD DOME W/ MINI-CAM	\$754.00	\$754.00
124	1	IN3535-1V-1C-1D	PELCO XPRESS 16 CHNNL DVR, W/ 1TB STORAGE	\$8,750.00	\$8,750.00
125	1	PMCL317	PELCO 17" FLAT PANEL LCD MONITOR RACK MNT	\$675.00	\$675.00
126	1	915844	APC BACK-UPS TRIPLITE SMART VA SYSTEM	\$512.00	\$512.00
127	1	RM-KB	MIDDLE ATLANTIC RACK MOUNT KEYBOARD AND MOUSE	\$519.00	\$519.00
128	1	DWR-21-22	MIDDLE ATLANTIC 21 SPACE SECTIONAL WALL RACK	\$451.00	\$451.00
129	1	PD-915R	MIDDLE ATLANTIC POWER STRIP	\$55.00	\$55.00
130	10	YV-83BB3BK	COAX JUMPER CABLES	\$5.00	\$50.00
131	1	MK-DAC	AIPHONE CAMERA / INTERCOM DOOR STATION	\$312.00	\$312.00
132	1	MK-2MCD	AIPHONE CAMERA / INTERCOM MASTER STATION W/ RELEASE	\$708.00	\$708.00
133	1	PS-1225UL	AIPHONE 12V POWER SUPPLY	\$69.00	\$69.00
134	1	8M-16/O-T-M	TAC NETCONTROLLER +8M NETLAAN, AND MODEM	\$2,160.00	\$2,160.00
135	1	PS120/240-AC85U	TAC POWER SUPPLY MODULE	\$280.00	\$280.00
136	2	01-2100-423	TAC CONTINUUM BATTERY 12V	\$16.00	\$32.00
137	1	01-0010-868	TAC BATTERY CLAMPS AND CABLES	\$7.00	\$7.00
138	1	01-0010-840	TAC MALE CONNECTORS FOR I/O BUS (20 PER PCKG)	\$42.00	\$42.00
139	1	AL600ULX	ALTRONIX AUXILIARY POWER SUPPLY	\$230.00	\$230.00
140	1	G-G-G	TAC ENCLOSURE ASSEMBLY	\$418.00	\$418.00

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SIMPLEXGRINNELL	TITLE	J.KEITH
By:		SALES

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Purchaser	Date	P.O. No.
-----------	------	----------

By: _____ Title _____



Fire &
Security

QUOTATION

SimplexGrinnell

A Division of TYCO International

Date	Quotation No.
	04-Feb-09 520415-1216-08-02
Vendor Code No.	

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

TO: City Of Troy - Police Department

500 W.BIG BEAVER ROAD
TROY, MI. 48084

ATTN: WENDELL MOORE

Job Name and Address
CITY OF TROY FACILITIES
SECURITY SYSTEMS UPGRADES
REQUEST FOR PROPOSAL

Shipping Terms F.O.B. Shipping Point

Project/Reference No.	Page of
	7 9

ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
			FIRE TRAINING CENTER (CONTINUE):		
141	4	AC-1	TAC READER MODULE	\$245.00	\$980.00
142	4	PR5355	HID PROXIMITY CARD READER	\$290.00	\$1,160.00
143	4	1076	GE DOOR ALARM MONITORING CONTACTS	\$35.00	\$140.00
144	4	DS150I	DSI REQUEST TO EXIT MOTION DETECTORS	\$142.00	\$568.00
145	4	6111	VON DUPRIN ELECTRIC STRIKE	\$388.00	\$1,552.00
146	20	HOURS	SYSTEM ENGINEERING AND DESIGN	\$166.00	\$3,320.00
147	74	HOURS	HARDWIRED SYSTEM SERVICE	\$88.00	\$6,512.00
148	40	HOURS	PROJECT MANAGEMENT & COORDINATION	\$88.00	\$3,520.00
149	1	LOT	ELECTRICAL INSTALLATION AND MATERIALS	\$22,070.00	\$22,070.00
150	1	LOT	LOCKSMITH INSTALLATION	\$1,050.00	\$1,050.00
Sub-total:					\$66,506.00

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By:		SALES

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Purchaser	Date	P.O. No.
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Fire & Security

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 TROY, MI. 48084
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Project/Reference No.	Page of
	8 9

ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
DEPARTMENT OF PUBLIC WORKS					
Price # 1 – Parks & Rec. Building / Gas Pumps:					
150	1	DF8ML-PG-EOV50	PELCO DF8 EXTERIOR FIXED DOMEPAK (DAY/NIGHT W/ 5-50MM A	\$818.00	\$818.00
151	1	DF8LINERKIT	SLOTTED DOME LINER KIT	\$15.00	\$15.00
152	1	SWM-GY	WALL MOUNT BRACKET	\$34.00	\$34.00
153	1	WCS1-4	PELCO CAMERA POWER SUPPLY (PTZ)	\$114.00	\$114.00
154	1	NET300R	PELCO IP NETWORK VIDEO RECEIVER	\$440.00	\$440.00
155	1	NET300T	PELCO IP NETWORK VIDEO TRANSMITTER	\$440.00	\$440.00
156	4	HOURS	SYSTEM ENGINEERING & DESIGN	\$166.00	\$664.00
157	4	HOURS	HARDWIRED SYSTEM SERVICE	\$88.00	\$352.00
158	1	HOURS	PROJECT MANAGEMENT & COORDINATION	\$88.00	\$88.00
159	1	LOT	ELECTRICAL INSTALLATION	\$1,951.00	\$1,951.00
Sub-total:					\$4,916.00
Price #2 – Lunch Room / Vending Area					
160	1	ICS151-CRV3A	PELCO CAMCLOSURE IN CEILING CLEAR DOME CAMERA, COLOR	\$483.00	\$483.00
161	1	ISC150-P	CAMCLOSURE 2X2 FT CEILING PANEL	\$30.00	\$30.00
162	2	HOURS	SYSTEM ENGINEERING & DESIGN	\$166.00	\$332.00
163	2	HOURS	HARDWIRED SYSTEM SERVICE	\$88.00	\$176.00
164	1	HOURS	PROJECT MANAGEMENT & COORDINATION	\$88.00	\$88.00
165	1	LOT	ELECTRICAL INSTALLATION	\$993.00	\$993.00
Sub-total:					\$2,102.00
Price #3 – Administration Office					
166	1	ICS151-CRV3A	PELCO CAMCLOSURE IN CEILING CLEAR DOME CAMERA, COLOR	\$483.00	\$483.00
167	1	ISC150-P	CAMCLOSURE 2X2 FT CEILING PANEL	\$30.00	\$30.00
168	2	HOURS	SYSTEM ENGINEERING & DESIGN	\$166.00	\$332.00
169	2	HOURS	HARDWIRED SYSTEM SERVICE	\$88.00	\$176.00
170	1	HOURS	PROJECT MANAGEMENT & COORDINATION	\$88.00	\$88.00
171	1	LOT	ELECTRICAL INSTALLATION	\$993.00	\$993.00
Sub-total:					\$2,102.00

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SIMPLEXGRINNELL	TITLE	J.KEITH
By:		SALES
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Purchaser	Date	P.O. No.
By:	Title	



Fire & Security

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Date	Quotation No.
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Issuing Office: 24747 HALSTED ROAD, FARMINGTON HILLS, MI. 48335

TO: City Of Troy - Police Department
 500 W.BIG BEAVER ROAD
 TROY, MI. 48084
 ATTN: WENDELL MOORE

Job Name and Address
CITY OF TROY FACILITIES
SECURITY SYSTEMS UPGRADES
REQUEST FOR PROPOSAL

Shipping Terms F.O.B. Shipping Point

Project/Reference No.	Page of
	9 9

ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
Price #4 – PTZ exterior cameras off the SW & NE corner of building 4699					
172	2	SD53CBW-PG-E1	PELCO SPECTRA III SE ENVIRONMENTAL DOME CAMERA, PND, CO	\$2,342.00	\$4,684.00
173	2	SWM-GY	WALL MOUNT BRACKET	\$34.00	\$68.00
174	2	WCS1-4	PELCO CAMERA POWER SUPPLY (PTZ)	\$114.00	\$228.00
175	1	M5-PTZ900	MICROTEK WIRELESS TRANSMITTER / RECEIVER	\$797.00	\$797.00
176	2	HOURS	SYSTEM ENGINEERING & DESIGN	\$166.00	\$332.00
177	4	HOURS	HARDWIRED SYSTEM SERVICE	\$88.00	\$352.00
178	1	HOURS	PROJECT MANAGEMENT & COORDINATION	\$88.00	\$88.00
179	1	LOT	ELECTRICAL INSTALLATION	\$4,118.00	\$4,118.00
Sub-total:					\$10,667.00
Notes & Clarifications:					
1. Sales or use tax is not included.					
2. This proposal is valid for thirty days from the date of this proposal.					
3. All pricing per City of Troy material & labor blanket pricing agreement.					
4. A one year warranty is included on all above materials and labor.					
5. All 110vac power to be available within 25' of camera source.					
6. Painting of camera housings not included.					
7. Owner to furnish all network connections as required.					
Sub-total:					\$284,987.00
Concurrent Project Discount -5%					\$14,249.00
Total:					\$270,738.00

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SIMPLEXGRINNELL	TITLE	PREPARED BY:
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.
	Title	FILE NAME

By: