

To: John M. Lamerato, Acting City Manager  
From: Jeanette Bennett, Purchasing Director  
Date: April 12, 2006  
Subject: Reconsideration of Resolution #2006-04-177

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Resolution #2006-04-177, Bid Waiver – Integrated Security Management System Installation with Time Tracker Software and Maintenance was passed by City Council at their Regular meeting on Monday, April 3, 2006 with an error in the proposal date in the final NOW, THEREFORE, BE IT RESOLVED. The date was incorrectly inserted as February 13, 2006 instead of March 27, 2006. Corrected resolutions are attached for reconsideration.

**tyco**

Fire &  
Security

**SimplexGrinnell**

March 27, 2006

**City Of Troy**  
**Department Of Public Works**  
4693 Rochester Road  
Troy, MI. 48085

Attn: Sam Lamerato

Re: RFP - Security Management System

Dear Mr. Lamerato:

SimplexGrinnell submits the following **Revised** proposal to furnish and install the Security Management System consisting of Access Control, Gate Controls, CCTV Surveillance, and Fire Alarm Systems at the City of Troy / DPW facility. Our proposal includes the following, statement of work, scope of services, clarification, and bill of materials.

This proposal is based on the documentation provided by your company and our recent meeting dated 1/18/06. 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 / DPW seeks a method to secure and control access to their facility. The proposed security management systems shall have the ability to control and monitor access to building perimeter, and survey the yard \ parking lot. The system shall utilize the City of Troy's existing security file server and badge card format connect to the City's LAN/WAN network. The proposed system must have the ability to control and monitor all aspects of the security management system locally at the DPW 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 project. This responsibility includes engineering, detail design layouts, equipment procurement, 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 furnish all phone lines for connection of SimplexGrinnell equipment as required.
- Owner to make available 110VAC/240VAC power required for all control equipment.
- Owner to furnish all site work (i.e.; saw cutting, trenching, concrete pads, etc.) as required for gate operator installation.
- Owner to furnish miscellaneous door hardware, and alignments as necessary.
- Owner to provide access to all areas were work will commence.
- Owner to furnish all PC hardware.

## **SCOPE OF SERVICES**

### **Access Control System**

We propose to furnish and install (1) security access control workstation connect to the City of Troy's security file server. Photo Badge capture and production will be generated at either the Troy Police Department or locally if voluntary alternate is accepted. We will also furnish and install (18) proximity card readers with associated control panels and security door devices (i.e., request-to-exit devices, alarm monitoring contacts) as described below.

1. Main Entrance Door - SG will supply and install (1) proximity card reader on the inner vestibule glass door, (2) desk mounted remote door release buttons, (1) door alarm monitoring contact, (1) request-to-exit motion detector, and electric door locking hardware interfaced with the handicap door operator, and (2) emergency desk mounted panic buttons.
2. Employee Entrance - SG will supply and install (1) proximity card reader on the exterior of the double glass doors (1) request-to-exit motion detector, (2) door alarm monitoring contacts, and associated electric door locking hardware.
3. Employee Entrance Ring Station – SG will supply and install (2) proximity card readers (punch in & out) and (1) display clock for the use of time entry.
4. Field Supervisors Office - SG will supply and install (1) request-to-exit motion detector, (1) door alarm monitoring contacts, for door status monitoring only.
5. Sign Shop - SG will supply and install (1) proximity card reader on the exterior of the double steel doors (1) request-to-exit motion detector, (2) door alarm monitoring contacts, and associated electric door locking hardware.
6. Water Room - SG will supply and install (1) proximity card reader on the exterior of the double steel doors (1) request-to-exit motion detector, (2) door alarm monitoring contacts, and associated electric door locking hardware. Also supply and install (1) overhead door alarm monitoring contact.
7. Mud Room - SG will supply and install (1) proximity card reader on the exterior of the single steel doors (1) request-to-exit motion detector, (1) door alarm monitoring contacts, and associated electric door locking hardware.
8. Water Storage Bldg. - SG will supply and install (3) overhead door alarm monitoring contacts for door status monitoring only, and (1) proximity card reader to control and disarm monitoring contacts.
9. Maintenance Yard Exit / Entry - SG will supply and install (2) proximity card readers inbound / outbound control of gate barriers, (2) Card reader stanchions, (2) Hands-free phones, (2) Barrier Gate Arms with associated loop detectors connected to under ground safety loops.
10. Main Garage - SG will supply and install (2) proximity card readers for inbound control of the east & west pedestrian garage door entrances (2) request-to-exit motion detector, (2) door alarm monitoring contacts, and associated electric door locking hardware. In addition to the above SG will also supply and install (4) overhead door alarm monitoring contacts and (4) Pedestrian door alarm contact for door status monitoring, and (1) proximity card reader to control and disarm monitoring contacts.

11. Streets Equipment Garage - SG will supply and install (1) proximity card reader on the inbound side of the north / west pedestrian door (1) request-to-exit motion detector, (1) door alarm monitoring contacts, and associated door locking hardware. In addition to the above SG will supply and install (6) overhead door alarm monitoring contacts and (1) Pedestrian door alarm contact for door status monitoring only, and (1) proximity card reader to control and disarm monitoring contacts. In addition a audible horn will be installed in this area if overhead doors remain open longer than the predetermined time allocated in security software. City Of Troy / DPW
12. Server / Phone Room Door - SG will supply and install (1) proximity card reader on the exterior of the single steel doors (1) request-to-exit motion detector, (1) door alarm monitoring contacts, and associated electric door locking hardware, (1) network controller and connectivity, (1) UPS battery system, (1) access control panel with associated power supplies and back-up batteries.
13. Remote Workstation (location TBD) – SG will supply and install (1) *Continuum* client software workstation on owner furnished desktop PC. Provide and install remote view CCTV camera software on owner furnished desktop PC.

### **CCTV Surveillance**

We propose to furnish and install (1) digital video recording system with associated software and hardware connected via the City of Troy's LAN/WAN network. All cameras will be recorded via a time schedule or video motion for a minimum of thirty days. We will furnish and install (4) pan/tilt/zoom color cameras, (2) fixed color interior dome cameras, and (1) Four-way quad color dome camera with associated hardware (i.e.; power supplies, converters, mounting brackets, etc.) as described below.

1. Server / 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) UTP video receiver HUB, (1) vertical equipment rack with associated front plexi-glass door, lock hardware, and venting fans.
2. Main Lobby Entrance – SG will supply and install (1) fixed interior color dome camera with a standard lens behind the receptionist desk viewing the main entrance and surrounding lobby area.
3. Main Hallway – SG will supply and install (1) Four-way quad color dome camera for main hallway intersection viewing.
4. Mud Room – SG will supply and install (1) fixed exterior color dome camera with a standard lens on the interior side of the Mud room entrance viewing personnel requesting entrance in to facility.

5. N.W. & S.W. Exterior Corners - SG will supply and install a (2) pan /tilt /zoom color exterior dome cameras to view and monitor the perimeter of building and yard \ parking lot areas. The S.W. camera will be programmed for automatic call-up upon exit / entry of the gate operators.
6. Main Garage - SG will supply and install a (1) interior pan /tilt /zoom color dome camera to view and monitor the garage area, perimeter entrances, overhead doors, and parts crib. This camera will be programmed for automatic call-up and record upon alarm activation and after hour monitoring. City Of Troy / DPW
7. Remote Workstation (Location TBD) - SG will supply and install on owner furnished PC, CCTV monitoring and control software for multi-screen viewing / control and playback of all cameras connected to network. Note: Remote viewing software can be installed on additional PC workstations having the same ability as described above.
8. S.E. Front Entrance Exterior Corner - SG will supply and install a (1) pan /tilt /zoom color exterior dome cameras to view and monitor the perimeter of building and parking lot areas.

### **Fire Alarm System**

We propose to furnish and install a fire alarm monitoring and evacuation system at the City Of Troy / DPW facility. After reviewing the proposed floor plan we have developed a system layout, which will meet local and state building codes. We have allowed for approximately 5% increase in panel capacity and field devices to meet code requirements. Additional work performed is as follows:

1. Furnish and install (1) addressable Fire Alarm Panel including but limited to, power distribution modules, back-up batteries, addressable zone cards, zone module cards, event reporting DACT, and expansion bay kit.
2. Furnish and install field indicating and notification devices, as required by code. (Approximately 56 – horn strobes, 5 – strobes, 6 – smoke detector, 2 – heat detector, 8 - relay output modules, 4-duct detectors, 12-manual pull stations).
3. Furnish and install necessary indicating and notification circuits require to facilitate above devices to meet all code requirements.
4. Furnish system engineering and drafting with as-build information after completion of project.
5. Furnish final system test checkout and start-up as required to complete the above referenced scope of work.
6. Furnish system programming and configuration as required for the above referenced devices.
7. Furnish system training as required for above system.
8. Furnish a One-year parts and labor warranty on the above referenced project

**SimplexGrinnell Services**

We propose to furnish the following services as a turnkey contractor to complete the subject job on time and within budget.

1. Engineering - SG will supply system engineering and drafting this will include system riser diagrams, floor plan layouts, panel terminations, device termination, mounting details, and as-build information after completion of project. City Of Troy / DPW
2. SG will supply (1) electronic copy in (AutoCAD format), and (3) sets of reproducible.
3. Cabling - SG will supply and install all associated control and communication circuits as required for the above referenced devices.
4. Conduit and Boxes - SG will supply and install all conduit and electrical back-boxes for exterior installation as required for the above referenced devices.
5. Power Circuits - SG will supply and install all necessary 110VAC/240VAC power as required for the above referenced devices.
6. Programming - SG will supply system programming and configuration as required for the above referenced devices.
7. Project Management - SG will supply on-site supervision and coordination of all trades required to complete the above referenced scope of work.
8. Technical Support - SG will supply final system test checkout and start-up as required to complete the above referenced scope of work.
9. Training - SG will supply system training upon final completion project.
10. Warranty – SG will supply a Two-year parts and labor warranty on the above referenced project.

**PRICING**

Access Control System .....	\$81,466.00
CCTV Surveillance System.....	\$29,450.00
Fire Alarm System.....	\$45,628.00

**TOTAL COST: \$156,544.00**

We are offering a **Cost Reduction** option of 5% if all three proposed systems are accepted, this is a cost saving of **\$7,828.00**. In addition to the cost reduction we also offering the Time Tracker Software (See optional pricing on page 7) at no addition cost if all three proposed system are accepted. The result of this cost saving will bring our new total systems cost to; **\$148,716.00**.

Note: See attached bill of materials for unit prices, and list of labor services.

### **OPTIONAL PRICING**

1. Provide Time tracker software and necessary programming for time entry reporting (see attached data sheets for software functionality): **Add \$5,822.00**
2. Provide cost deduct for electrical permits if City of Troy waves all cost:  
**Deduct -\$1,300.00.**

### **CLARIFICATIONS TO OUR BID**

1. Pricing does not include sales or uses taxes add if required by law.
2. All SimplexGrinnell standard terms and conditions apply.
3. Our proposal is based upon straight time 1st shift, Monday-Friday 7:00 am - 3:30 PM, weather permitting.
4. Owner to provide access to areas required to perform the above referenced work.
5. Our proposal does not include permits and fees.
6. Owner to furnish all network connection to SimplexGrinnell equipment as required.
7. Owner to make available 110VAC/240VAC power required for all control equipment.
8. Owner to furnish all site work (i.e.; saw cutting, trenching, concrete pads, etc.) as required for gate operator installation.
9. Owner to furnish miscellaneous door hardware, and alignments as necessary.
10. Owner to furnish all PC hardware.
11. Price is valid for 60 days.

Thank you for opportunity to provide you with a response on this proposal, and if you should have any further questions please do not hesitate to give us a call.

Respectfully Submitted,  
SimplexGrinnell LP

John E. Keith  
Account Manager

Cc: W. Moore  
J. Bennett