
Technical Proposal & Approach

Project

Hidalgo County
Edinburg, Texas

Scope:

Security Retrofit Project
1st Precinct Access Control & CCTV Systems



Submitted By:

TAC
Systems Integration Group

Date:

September 28, 2007



1.0 Introduction

TAC would like to express our appreciation for the opportunity to present the following proposal to add (9) reader controlled doors to the system that TAC is currently installing for the county. Additionally this proposal covers the addition of the requested security cameras in the 1st Precinct area, the Weslaco Tax Office cameras, and the (2) JP area cameras. We at TAC bring comprehensive knowledge and installation expertise of the security industry. Our experience permits TAC to add value in facilitating and coordinating with various aspects of the construction phase to ensure the clients goals and the systems design needs are met.

It is important that the scope of work and its schedule be communicated and implemented; particularly at the time when the design is being completed and the implementation begins to ensure all aspects of the system are started and completed as intended.

2.0 Technical Narrative

The installation of the security system will include the needed equipment to monitor and control (9) additional doors with (18) proximity card readers. The installation process will add proximity card readers (in some cases 2) with electric locks and alarm status switches to these doors. Additionally TAC will provide (1) It is the intent of TAC to provide a fully operational system including all related hardware, software, and installation. TAC will also provide full training of Hidalgo County staff on the operation and maintenance of the system. The scope of work for this project is based upon our site review as well as meetings, conversations and demonstrations with Hidalgo County. TAC has made provisions to easily expand into other areas of the building or new areas as you continue to grow. The Access Control portion of the project will be a full turnkey system including with all needed equipment and materials. Key points understood by TAC were:

- IP based and software centric
- Fully compatible with the video management system
- Cost effective
- Dependability
- Remote programming capabilities

Base System Design and Layout

- Access Control System
 - 9 E-IDC Door Control Modules
 - 9 Reader Controlled Doors
 - Each door to receive new ProxPro card reader
 - Each door to receive new electric strike equipment
 - Each door to receive door status switch
 - Each door to receive REX motion device
 - 18 Proximity Readers

Sub Total Project Pricing

\$ 14,010.80



Part Number	Description	Unit Price	Qty	Total
S-EIDC-KIT-0008W	EIDC 8 Door Access Kit	\$4,106.52	1	\$4,106.52
S-EIDC-ADDKIT-W	eIDC Add On Kit	\$486.20	1	\$486.20
Misc	Door Sensor Switch	\$5.00	9	\$45.00
180ABV	SDC Electric Strike 180ABV	\$153.68	9	\$1,383.12
4320nu	Egress REX Device 4320NU	\$62.21	9	\$559.89
6005B1B00	PROXPOINT PLUS READER, DESIGNER BLACK WITH 18" PIGTAIL	\$76.12	9	\$685.07
Install Labor	Installation and Wiring	\$4,557.00	1	\$4,557.00
Install Labor	Project Management	\$90.00	10	\$900.00
Install Labor	Documentation & Submittals - CAD Engineer	\$45.00	3	\$135.00
Install Labor	Senior Software Engineer - Sr. Project Engineer	\$71.00	4	\$284.00
Install Labor	System Hardware Engineer	\$45.00	4	\$180.00
Install Labor	System Technician	\$55.00	8	\$440.00
Misc	Travel Expenses	\$249.00	1	\$249.00
Sub Total Project				\$14,010.80

TAC's TCPN contract number is R4788. All items listed above area available through this contract.

- **1st Precinct CCTV System**
 - 2 Power Supplies
 - 5 Fixed Color Cameras
 - 1 Installation and Programming

Sub Total Project Pricing

\$ 5,693.17/plus tax

Part Number	Description	Unit Price	Qty	Total
AX-ALTV244	24VAC POWER SUPPLY	\$81.09	2	\$162.18
WV-CF244	Compact color mini dome camera, 540TVL, simple Day/Night, 2x vari-focal lens	\$ 361.00	5	\$1,804.99
Install Labor	Installation and Wiring	\$1,721.00	1	\$1,721.00
Install Labor	Project Management	\$90.00	6	\$540.00
Install Labor	Documentation & Submittals - CAD Engineer	\$45.00	2	\$90.00
Install Labor	Senior Software Engineer - Sr. Project Engineer	\$71.00	5	\$355.00
Install Labor	System Hardware Engineer	\$45.00	4	\$180.00
Install Labor	System Technician	\$55.00	13	\$715.00
Misc	Travel Expenses	\$125.00	1	\$125.00
Sub Total				\$5,693.17

TAC's TCPN contract number is R4788. All items listed above area available through this contract.

- **Camera System Digital Recorder**
 - 1 16 Channel Digital Recorder
 - 500GB of internal storage
 - Built-in network card
 - Built-in CD/RW
 - 1 17” Flat Screen Monitor

Sub Total Project Pricing

\$ 9,470.70/plus tax

Part Number	Description	Unit Price	Qty	Total
3540-1V-1C-1D-0S	DS XPress – 16 Channel, 120 ips, 16 alarm inputs, 250 GB	\$6,851.68	1	\$6,851.68
P-LCD-17B	P-LCD-17B	\$433.02	1	\$433.02
Install Labor	Installation and Wiring	\$550.00	1	\$550.00
Install Labor	Project Management	\$90.00	6	\$540.00
Install Labor	Documentation & Submittals - CAD Engineer	\$45.00	2	\$90.00
Install Labor	Senior Software Engineer - Sr. Project Engineer	\$71.00	6	\$426.00
Install Labor	System Hardware Engineer	\$45.00	4	\$180.00
Install Labor	System Technician	\$55.00	5	\$275.00
Misc	Travel Expenses	\$125.00	1	\$125.00
	SubTotal Project			\$9,470.70

TAC's TCPN contract number is R4788. All items listed above area available through this contract.



Clarifications

- TAC’s deliverable will be in compliance with the agreed upon system design. The deliverables for this project will include the design, engineering, programming, instrumentation, documentation, permitting and installation of all associated materials to complete the system.
- Design, installation and testing will be performed and supervised directly by TAC.
- TAC’s warranty is limited to those items provided and installed by TAC under this agreement. This warranty does not cover any existing items that will be re-used. Any existing and defective equipment will be brought to the customer’s attention prior to final system commissioning.
- Cutting, patching, and painting by others.
- All work to be performed during normal working hours (7am – 5pm M-F). Cleanup of TAC work is included.
- TAC’s price is based upon a direct purchase and not a monthly lease.

5.0 Exclusions

TAC has excluded the following items from our scope of work. These items are being excluded because we believe other construction trades will already be performing these functions and can perform these tasks in a more effective manor than TAC.

1. Primary AC Power
2. PC Workstation
2. Conduit
3. POE network equipment for power to doors
4. Fire alarm interface if needed

6.0 Conclusion

TAC would like to thank you for the opportunity to help with the design phase of the buildings security systems and we look forward to the implementation phase of the project. Our ultimate goal is to act as your representative during the installation phase of the project to ensure that the goals of the project are met.

Sincerely,



Steven Turney
Security Business Leader
TAC