Personal Case Study:
Tampa Port Authority Security Improvements

While Matt Wurthner was Vice President at Technology Services Inc @USF (TSI) his major duties included: Project Management, Operations Management, Security Design and Implementation. TSI was a participant in a proposal by American Bridge Inc. (ABI) to provide a comprehensive security system for the Tampa Port Authority. Subsequent to ABI being awarded the total contract, TSI@USF became a major subcontractor to ABI for the provision of communications infrastructure, security systems, and access control.

The original scope of work from American Bridge was to be $4,753,796.50 and included the installation of equipment according to a design to be provided by a separate engineering firm. American Bridge was not able to reach agreement with the engineering firm and asked TSI@USF to pick up the design elements for an additional $275,000. Thus the total value of the contract with American Bridge is $5,028,796.50.

For a full description of the Case Study please download PDF
The work consists of several major categories:
- ➢ Design of the integrated security matrix
- ➢ Installation of additional fiber optic cable as part of a fiber "loop"
- ➢ Installation of surveillance cameras, cabling, and a control system
- ➢ Installation of an access control system
- ➢ Installation of access-control hardware for remote gates
- ➢ Installation of access-control hardware for traffic into the port
- ➢ Installation of local area network equipment for connectivity
- ➢ Provide a two-year warranty for the system

A large part of this project was conducted by subcontractors to TSI@USF and the installation of standard equipment. A summary of each of the major categories of work is provided next:

Design of the integrated security matrix: This work consisted of the overall and detailed design of the security matrix. This work was done by TSI Design Team managed by Matt Wurthner and sub-contractor, Anston-Greenless, Inc. (AGI). AGI is an engineering firm and they provided design services, design and construction drawings, as-built drawings, and all engineering services. AGI was designated as the 'design engineer" for the project.

Installation of additional fiber optic cable as part of a fiber "loop": This work consisted of installing a 48-core fiber optic cable in an existing conduit system. Matt Wurthner was project manager who organized and supervised the designated sub-contactor to perform the work.

Installation of surveillance cameras, cabling, and a control system: This work consisted of the purchase and installation of surveillance cameras, connection of fiber optic cable off the main loop and the installation of a CCTV monitoring system. The surveillance cameras were standard, off-the-shelf equipment procured from distributors of major manufacturers. Matt Wurthner was project manager who organized and supervised a sub-contactor to install the CCTV equipment, procurement of materials, and inventory control.

Installation of an access control system: A standard, off-the-shelf access control system was procured from distributors of the manufacturer and installed by sub-contractor.

Installation of access-control hardware for remote gates: Standard, off-the-shelf access control hardware was procured from distributors of major manufacturers.

Installation of access-control hardware for traffic into the port: This work consisted of the installation of cameras, badge readers, gate controls, and other equipment for the seven-lane main entry point for traffic to the Port of Tampa.

Installation of local area network equipment for connectivity: This work consisted of extending the local area network in support of voice and data communications associated with the security systems. The equipment was standard, off-the-shelf equipment procured from distributors of manufacturers and some additional cabling for existing structures. The wireless equipment and local area network connectivity was designed and installed by Matt Wurthner.

TSI was responsible for the integration of all systems and the required specification for an open architecture system.

For contact information visit:
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