ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 4 ATMS- ILLINOIS, USA

Skyline of downton Peoria, IL

In 2008, Illinois Department of Transportation (IDOT) sought to integrate of all field components of the Peoria area Intelligent Transportation System, including dynamic message signs, surveillance cameras, highway/rail interface, and detector stations into a central Advanced Transportation Management System (ATMS) software package. The requirements for the ATMS solution included:

- Video and data consolidation and distribution to ITS operators and stakeholders.
- ITS data consolidation and distribution to the traveling public through the use of dynamic message signs, an external web page with congestion maps and video images, and the media.
- A mechanism to export incident data from the Peoria and East Peoria Computer Aided Dispatch (CAD) systems for use with the ATMS software.

Within 120 days of contract award, the contractor was expected to install the ATMS. The full system was expected to be operational within ten months of contract award.

Q-Free developed an aggressive project plan around the installation and configuration of OpenTMS, the industry leading off-the-shelf ATMS. OpenTMS provides out-of-the-box support for all major ITS device protocols and is designed to quickly integrate with ITS field-devices including video cameras, dynamic message signs, traffic detectors, and weather stations.

Q-Free deployed a fully functional and secure system that enables Department of Transportation operators as well as system users from East Peoria Public Works, East Peoria Emergency Services, Peoria Public Works, and Peoria Emergency Services full access to system functions. The solution was built around OpenTMS Enterprise and includes a public traffic web page, incident and work zone management, and device command and control.

INSTALLATION HIGHLIGHTS

- OpenTMS Enterprise Rapid Deployment
- 911 Integration
- Regional ITS Systems Integration
- Interface with Existing Video Wall
- Traveler Information Web Site
- Remote Workstations Deployed at Partner Agencies
- User intuitive platform allows IDOT to perform their own maintenance

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