

Client

Illinois State Toll Highway Authority

Services

Delcan was selected by the Tollway as the TIMS system integrator. Delcan's tasks included the detailed system design, implementation, and integration, as well as system documentation and training.

Date

April 2003

Key Staff

Gordon Paesani

Contract Value

The overall project was completed almost \$400,000 under the original estimates.

The System was awarded the Best Public Safety Implementation at the 2004 ITSA Convention.

Illinois State Toll Highway Authority (ISTHA) Traffic and Incident Management System (IMS)

The Illinois State Toll Highway Authority (ISTHA) has established an ongoing goal of providing its patrons the safest and most comfortable ride when using its facilities. As part of his effort, the Authority implemented an Intelligent Transportation System (ITS) called Traffic and Incident Management System (TIMS). This system provides improved traffic information to motorists, faster and more accurate incident response and more efficient use of ISTHA's valuable resources.



The system includes the following core components:

- Two way fully integrated CAD interface.
- Advanced Map display.
- The most sophisticated automated DMS response system in the country.
- Automated CCTV selection and integrated CCTV control.
- The software includes and external communications with the Gary-Chicago-Milwaukee ATIS System.
- The system computes travel times with a new algorithm based on individual toll tag reads in real time from the IPASS automatic toll collection system. The travel time data is displayed on the system map, used to provide congestion messages on the DMS, and is disseminated to the Gary-Chicago-Milwaukee Gateway.
- Interface to a queue detection system, including dynamic map updates and live data.
- Interface to road weather information system, including dynamic map updates and live data.