



ILLINOIS STATE TOLL HIGHWAY AUTHORITY HELPING TO KEEP ILLINOIS TRAVELLERS ON THE MOVE WITH RELIABLE FIBER-OPTIC NETWORK

The Illinois State Toll Highway Authority (Authority) is dedicated to providing and promoting a safe and efficient system of toll supported highways while ensuring the highest possible level of service to their travelers.

G4S Secure Integration designed, built, and integrated a 276-mile fiber optic network for the Authority. Because the Authority's long-term plans required a broad range of computer and communications technologies, G4S Secure Integration designed the network to support a host of applications. The network allows the Authority to enhance communications and meet the needs of its I-Pass[®] program, which includes electronic toll collection, video enforcement, and a traffic information system. Additional benefits are lower communications costs and improved customer service. Because of a demand for more ducts, G4S Secure Integration entered into a second contract with ISTHA for an additional 180-mile network known as the overbuild.

G4S Secure Integration was selected for this project to serve as a single source for network design, engineering, project and construction management, installation, and operations and maintenance. Since completing the system, we have maintained the network. Over the past few years, G4S Secure Integration has also relocated much of the system to support the Tollway's five-year, \$10 billion rehabilitation of their roadway system.

By building an advanced fiber optic communications network, G4S Secure Integration brought high-speed voice, data, and video communications not only to the operation and management of the Authority's system, but also to the broader business communities of suburban Chicago and northern Illinois. G4S Secure Integration leased excess fiber cable and conduit capacity, on behalf of the Authority, to communication companies and other high-capacity

users. This offset construction costs and provided the Authority with a new revenue source. The network offers third-party users secure, protected rights-of-way, and the opportunity to add customized end-points or network expansions.

Currently, G4S Secure Integration is working on a non-fiber project for ISTHA as well. Outdated CRT monitors are being replaced with a new video wall made up of multiple 70" HD LED monitors.



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