



## I-76 Gateway Toll Plaza ARMS

**Client:** Pennsylvania Turnpike

**Location:** Urban Harrisburg area, PA



### System Features

- CCTV
- Radar Vehicle Detectors
- DMS
- Fiber Optics
- T1 Communications

The Pennsylvania Turnpike Commission (PTC) owns and operates the Gateway Toll Plaza on the Pennsylvania Turnpike (I-76) approximately 1 mile east of the Pennsylvania-Ohio state line. Each year, more than 8 million travelers utilize the Gateway Toll Plaza to enter and exit the Keystone State.

In order to reduce congestion and incidents caused by the 22,000 daily vehicles, the Commission awarded a contract to Transdyn to furnish and install the ARMS-GTP (Automated Real-Time Message System—Gateway Toll Plaza).

The system provides traveler information and warnings to motorists nearing the toll plaza of congestion and allows the PTC to monitor conditions on the approaches to the toll plaza.

The ARMS system integrates traffic video images generated by the new CCTV cameras with the existing CCTV video matrix switcher system at the PTC Highspire Operations Center. Monitoring and control of the cameras is available at both the toll plaza and the operations center. Likewise, operators have monitoring and control capabilities of Dynamic Message Signs (DMS). Data from Radar Vehicle Detectors (RVD) is provided locally and is also transmitted to the Highspire Operations Center. Computer servers and laptops are provided for running the respective subsystem software configuration and maintenance packages.