



# MTA Bridges & Tunnels ATM IDEAS and Intelligent Video System

**Client: New York MTA Bridges & Tunnels**

**Location: New York Metro Area, NY**



## System Features

- DYNAC ATMS® Software
- Intelligent Video
- Decision Support Management
- Data Warehousing
- Integrated Audio Management
- Browser-based User Interface
- Transcom Data Exchange
- Regional ITS Architecture
- CCTV
- NTCIP
- DMS
- Weather Management System
- Multicast Video Over IP
- Center-to-Center Architecture

**DYNAC®**

The NY MTA is the nation's largest bridge and tunnel authority serving more than one million people daily. It operates the Henry Hudson, Triborough, Bronx-Whitestone, Throgs Neck, Verrazano-Narrows, Gil Hodges-Marine Parkway, and Cross Bay bridges and the Queens-Midtown and Brooklyn-Battery tunnels.

Transdyn designed and deployed a fully integrated system aimed to strengthen security at nine MTA critical bridge and tunnel facilities. ATM IDEAS (Advanced Traffic Management Incident Detect/Evaluate/Act System) includes designing, furnishing, and integrating a fully redundant, distributed host system and software at each control center. Transdyn's DYNAC® ATMS software suite provides integrated surveillance and management functions at all facilities.

A new state-of-the-art video over IP distribution system broadcasts high definition video surveillance images between the facilities and the Operations Control and Communication Center (OCCC) over a high-speed wide area network. Video data from over 200 cameras is analyzed to detect traffic anomalies at the bridges and tunnels. The system provides local viewing, recording capability and digital (IP) compressed video streams for distribution to any of eleven operation centers in NYC.

At the OCCC, the software enables centralized monitoring of bridge and tunnel operations and assists in coordination of incidents and events that impact multiple agencies and facilities.

The sophisticated system allows the Authority to efficiently protect infrastructure, detect and respond rapidly to incidents and events, provide real-time advisories and monitor traffic, weather, and roadway conditions.