

# Selected Volpe Center Transit Security Projects

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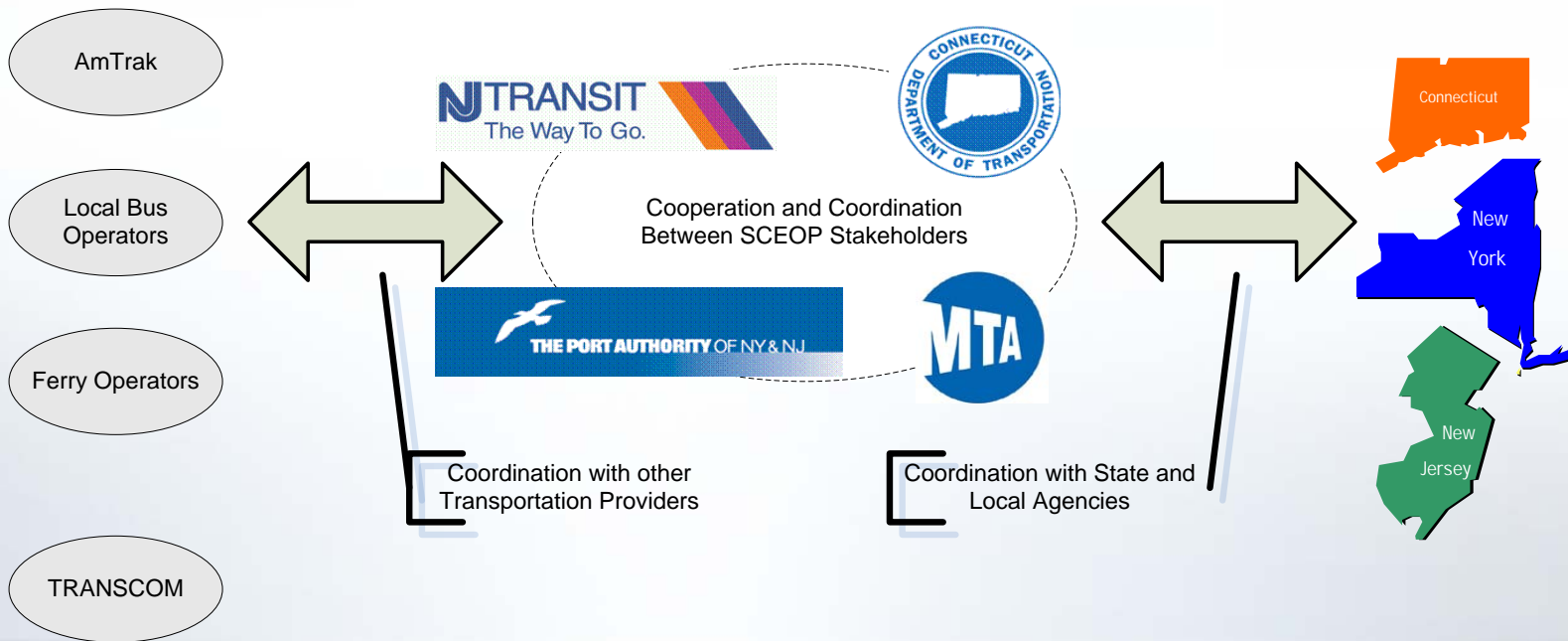
# Selected Transit Security Projects

- Security Cooperation Plan for the New York Metropolitan Area Transit Agencies
- MBTA Silver Line Integrated Security System
- Blast Resistant Autonomous Video Equipment
- Threat and Vulnerability Assessment of the Steamship Authority
- Bus Communication and Control
- Rail Trestle Intrusion Detection System
- PEERS Grade Crossing Video Recording System
- MBTA Security Strategic Plan



# Security Cooperation Plan for NYC Area Transit Agencies

- Formalized procedures for sharing information between agencies and with other stakeholders at times of crisis
- Created plans for each agency detailing internal and external coordination



# Integrated Security System for the MBTA Silver Line

- Video Surveillance
- Access Control
- Intrusion Detection
- Portal Protection
- Behavioral Video



# Blast Resistant Cameras

- Volpe conducted field operational tests of two different autonomous cameras that survived DHS blast tests



Test sites included Buffalo, New Orleans, Spokane and North County San Diego

# Steamship Authority Security Survey

- Assessed the threats and vulnerabilities of the Steamship Authority's vessels and facilities
  - Conducted Risk Analysis
  - Presented Findings and Recommendations to the Board of Directors



# Bus Communication and Control

- Volpe field tested two different systems to remotely stop a bus in a realistic hijacking scenario



# Rail Trestle Intrusion Detection System

- Volpe designed and deployed a system in Pittsford, NY that detects intrusion on a rail trestle and provides live video notification to 24/7 security



## System Features:

- Invisible IR Illumination
- Train masking
- Dual mode video
- PA system for live warnings
- Pre and post event video recordings with remote retrieval



# PEERS Grade Crossing Violation Study

- Designed and deployed a wireless digital video system to record and catalogue grade crossing violations in three Illinois towns

Installation



Images from violation event videos

# Security Strategic Plan for the MBTA

## Strategic Plan Components:

- System Architecture and Recommended Practices
  - Established a roadmap for creating a system-wide integrated access control, intrusion detection and surveillance system
  - Determined bandwidth and infrastructure limitations for supporting HD video
- Gap Assessment
  - Reviewed 50 most critical assets
  - Considered current and planned security investments
  - Identified list of gaps that will remain
- Implementation Strategy
  - Ranked remaining gaps based on cost and how addressing each reduces the agency's risk exposure
  - Considered issues such as acquisition and deployment

