

American Public Transportation Association Rail Conference

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Amtrak Police Department
Protecting "America's Railroad"

Amtrak Vice President and Chief of Police
John J. O'Connor



Rail Security

- What Progress Have We Made?
- What Lessons for High Speed Rail?



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- Prevention
- Partnership
- Participation



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➤ Prevention



Prevention

- Train Riding
 - Increased Police Visibility
 - FY 2010 total Police Officer train rides – 34,632
- Passenger Screening Program / Stations
 - Increased Visibility
 - Behavioral Assessment Screening (BASS)
 - Gate / Platform Check
 - FY 2010 Regional & Long Distance Train screening total – 63,180
 - FY 2010 Acela Train screening total – 38,134





Prevention

- K9 Teams: 46 Teams
 - Explosive Detection and Vapor Wake
 - Highly effective tool in deterring and detecting potential threats from explosives
 - State of the art training
 - Auburn University Training Program – within the last 3 years, 13 Vapor Wake Teams and 19 Explosives Detection Teams attended
 - Lackland Air Force Base (National Explosive Detection Team program) – 14 Explosive Detection Teams trained
- Random Surge Operations: 25 Locations since May 2010
- K9 Teams - Train Riding
 - FY 2010 total K9 Team train rides – 11,698





Prevention

- K9 Program Expansion
 - Canine Training Contractors – 6 currently under contract
 - Vehicles – 52 purchased and in service
 - Kennels – 3 completed in Chicago, Philadelphia, and Boston; NYP and WUS are in process
 - Explosive Magazine installation in process in Los Angeles
 - Plan is to increase Canine Teams to 55



Prevention

- Special Operations Unit
 - Force multiplier for the local commands
 - Highly visible sweeps of stations and trains
 - Site assessments
 - Surveillance and other counter-terror missions to deter and defend against attack, and rapid respond if attack occurs
 - Conduct random baggage screening
 - FY 2010 Special Operations Random Baggage Screening Operations total – 3,356





Prevention

- SWAT Training
 - Joint Agency SWAT Training:
 - Since August, 2008; 45 Agencies trained.
- Passenger Rail Tactical Training
 - Provided by Special Operations Unit to partnering law enforcement agencies with rail in their communities.
 - Includes instruction on Best Practices for Rail Interdiction.
 - Provided to 150 law enforcement personnel in 14 agencies.





Prevention

- Active Shooter Training for Sworn Amtrak Police Personnel
 - Immediate Action Rapid Response (IARD)
 - 239 Amtrak Police Officers trained since the Fall of 2010
 - A comprehensive certification training utilizing a multi-faceted approach which provides:
 - Guidance for initial responding officers and supervisors in assessing threats and performing rapid intervention tactics.
 - Guidance in limiting serious injury or loss of life during an ongoing event where suspect(s) are actively engaged in life threatening attacks.
 - Lessons learned from previous events/tragedies, response priorities, APD Use of Force Policy, elements of responses, teams, formations and entries.



Prevention

- Active Shooter Training for Non-Sworn Amtrak Personnel
 - The "First Line" Employee Security Training/Active Shooter
 - Being delivered to 8,300 front line Transportation employees in 2011 Block Training.
 - Active shooter scenario is the opening program.
 - Trains on prevention and response to an active shooter incident in an interactive training approach intended to engage the audience with optimal impact.
 - The active shooter information has been incorporated into the revised Amtrak Security Handbook for 2011 and will be included in the 2012 training provided to the Engineering, Mechanical and "All Others" employee groups.



Prevention

- Bio-Watch Program
 - Implement mechanism(s) for the recognition and response to a confirmatory positive PCR test from a Bio-Watch Sampling Unit or similar technology
 - Apply public safety, law enforcement, fire service, EMS, transportation management, and emergency management strategies, tactics, and methodologies for a safe, effective, and efficient response to the event
 - Coordinate an integrated approach to command, control, and communications using a unified command / incident command model



Prevention

- Technology Solutions
 - SABRE 4000
 - Radiological Pagers
 - Virtual Perimeter Project
 - ATLAS – Blast Mitigation Studies
 - iCOP – Integrated Communication and Operations Program
 - ROMAN - Risk Operating Management Analysis Network (Secure Network)
 - CCTV
 - Access Control



Prevention

- ROMAN - Risk Operating Management Analysis Network
 - APD's Secure Network
 - Project is currently in process and will ultimately support APD technology projects (i.e. SCRAM, CCTV, etc.)
 - Provides a platform for secure communications & information sharing
 - Robust & redundant network backbone
 - Support CCTV and Video Command centers aggregating & displaying internal & external information
 - Centrally managed
 - Federalized



Prevention

- SABRE 4000
 - Portable trace detector that can detect explosives, chemical warfare agents, toxic industrial chemicals, or narcotics, and can do so in approximately 20 seconds.
 - Explosives Detected: Royal Demolition Explosive (RDX), Pentaerythritol tetranitrate (PETN), Trinitrotoluene (TNT), Semtex, Triacetone Triperoxide (TATP), Nitroglycerin, Ammonium Nitrate, and others
 - Chemical Warfare Agents Detected: Nerve and blister agents such as Tabun, Sarin, Soman, Cyclosarin, Agent VX and VX, Nitrogen Mustard 3 and others
 - Toxic Industrial Chemicals Detected: Hydrogen Cyanide (HCN), Phosgene, Sulfur Dioxide, Ammonia, and others





Prevention

- Assessments and analytical tools to mitigate Amtrak's security risks
 - Blast mitigation analysis - structural and engineering assessments
 - DHS Transit Risk Assessment Method (TRAM) toolkit - national vulnerability study
 - Airborne Particulate Detection studies
 - Anti-Terrorism Risk and Gap Analysis Plan
 - Recovery Planning Initiative
 - Communication Interoperability Assessment and Plan
 - Station Action Plans
 - Full Spectrum Infrastructure Vulnerability Assessment



Prevention

- ATLAS – Blast Mitigation Studies
 - Engineering assessments of structural designs of critical infrastructure
 - Studies help tp reducing/eliminate the risk of catastrophic consequences from exploitable single/multi points of failure
 - Help identify effective countermeasures that mitigate the risk of catastrophic loss of life or operational functionality
 - Focus on CBRNE threats and asymmetric modes of attack



Prevention

- Target Hardening: Mitigation activities and protective measures to harden or minimize unauthorized access to physical structures, systems, and key assets critical to operations
 - Access Control / Intrusion Detection
 - Smart ID cards (HSPD12) - ensure employee identification and reduce unauthorized access to restricted areas
 - **Station / Facility Hardening** – solutions include high security fencing, bollards, Blast/Mylar curtains, etc.
 - Bridge and Tunnel



Prevention

- Communication and Situational Awareness: Enhance Amtrak's ability to plan for and respond to potential acts of terrorism, and related incidents by enhancing situational awareness and communications' capabilities
 - Closed-Circuit Television cameras
 - "Virtual Perimeter" - made up of cameras, sensors, fencing, and access control instruments around a stretch of rail line or facilities
 - Integrated Communications and Operations Program (iCOP)
 - Digital Mapping - "maps" of stations and tunnels to provide first responders and stakeholders with a 360 view of interior and exterior
 - Pedestrian Flow Models - to help alleviate bottle neck situations and minimize crowd congestion in evacuation measures



Prevention

- iCOP (Integrated Communication and Operational Program)
 - GIS based incident and response planning tool to enhance situational awareness
 - Visually displays integrated data on an interactive multi-user touch screen or desktop system
 - Utilizes critical infrastructure, homeland security, law enforcement, and Amtrak data for simulations, modeling, alerts and analysis
 - Makes crucial data available simultaneously, in real-time, to multiple key decision makers to plan appropriate response scenarios and implement operating procedures



Prevention

- Exercises: Test security initiatives, ensure compliance with security standards, and provide opportunities to enhance programs and policies based upon identified deficiencies
 - Recovery and Resilience Exercises - 2 TTX completed in 2010; 4 TTX and 5 mini exercises to be completed between 2011-2013
 - Station Action Plan Testing and Implementation – Testing of the 14 Station Action Plans completed between 2008-2010; Testing began in 2010 and will conclude in 2011



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➤ Partnership



Partnership

- State, Local, and Federal Agencies
- Department of Homeland Security / TSA
 - Visible Intermodal Protection and Response Teams (VIPR): Federal Air Marshalls (FAM) and K9 teams
 - Deployed to Amtrak stations randomly and during peak travel periods, holidays etc.
 - Random Screening Program
 - Regional Security Transit Working Groups
- FBI/Joint Terrorism Task Force (JTTF)
 - National (FBI Headquarters)
 - Washington DC Region
 - New York
 - Chicago
- RAILPOL
 - European network of Railway Police Forces
 - Amtrak Police Department is an Associated Member of RAILPOL





Partnership

➤ NEC Coalition

- Composed of law enforcement and Homeland Security officials from Washington, Maryland, Delaware, Pennsylvania, New Jersey and New York
- Amtrak passengers live in the communities agencies serve
- Share intelligence information, provide assistance to Amtrak through train station patrols, searches, K9 inspections, aerial support
- Works in a collaborative way to enhance public safety





Partnership

- VIPR (Visual Intermodal Protection Response) Operations
 - April 2007 to present: 716 (through January 2011)
- Operation RAIL SAFE
 - Regional Alliance Including Local, State and Federal Efforts (RAIL SAFE) developed in partnership by the Amtrak Police Department, New York City Police Department and the Transportation Security Administration (TSA)
 - Amtrak Police, TSA personnel and law enforcement officers from federal, state, local, rail and transit police officers deployed at passenger rail and transit stations to exercise counterterrorism and incident response capabilities
 - Coordinated effort involving activities such as heightened station patrols, increased security presence onboard trains, explosives detection canine sweeps, random passenger bag inspections, and counter-surveillance
 - Public display and show of capabilities





Partnership

Operation RAIL SAFE Statistics

- May 27, 2010
 - Northeast Corridor
 - 22 agencies
 - 8 states
- June 29, 2010
 - Northeast Corridor
 - 26 agencies
 - 10 states
- July 21, 2010
 - Northeast Corridor and Chicago
 - 32 agencies
 - 12 states
- September 2, 2010
 - 35 agencies
 - 16 states
- September 10, 2010
 - 150 agencies
 - 19 states + Toronto, Canada
- October 8, 2010
 - 87 agencies
 - 26 states + DC & Toronto, Canada
 - 860 law enforcement personnel deployed
- November 24, 2010
 - 132 agencies
 - 32 states + DC and Toronto, Canada
 - 1358 law enforcement personnel deployed
- December 23, 2010
 - 124 agencies
 - 30 states + DC+ Toronto, Canada
 - 880 law enforcement personnel deployed
- February 18, 2011
 - 140 agencies
 - 32 states + DC + Toronto, Montreal and Vancouver, Canada
 - 1150 law enforcement personnel deployed
 - 186 stations (including 111 Amtrak stations)
- May 2, 2011
 - 82 agencies
 - 29 states + DC
 - 1035 law enforcement personnel deployed
 - 128 stations (56 Amtrak)
- May 19, 2011
 - 155 agencies
 - 34 states + DC, Montreal and Vancouver, BC
 - 1268 law enforcement personnel deployed
 - 204 stations (107 Amtrak)



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➤ Participation



Participation

➤ Employee Security Training

- 2012 Scenario-based classroom training – 8000 front line Transportation Department employees
- Development of Employee Training Plan for all Amtrak employees
- Behavioral Assessment Screening System (BASS) Training II
 - Focuses on tell-tale physiological signs of deception and suspicion exhibited under stress or in avoidance of detection
 - Early intervention/mitigation
 - Process may detect criminals
- Good Call Video – Training video that highlights employees properly addressing security issues in real-life situations





Participation

- Familiarize Amtrak employees, customers, and stakeholders with security issues and Amtrak's security policies and programs



- Employee Training

- BASS Training II
- Good Call Video
- 2012 Scenario-based classroom training – 8000 front line Transportation Department employees
- Employee Training Plan

- Public Awareness

- Security Minute Video
- Printed Material
 - Security posters (Joint Amtrak/TSA See Something? Say Something!), Seatback cards
- Public Security Awareness Program
- K9 Video
- PASS Screens
 - LA (4), CHI (4), BAL (2); SEA completed 11/10
- Station Evacuation Videos
 - 8 Locations (NYP, WIL, BAL, CHI, SEA, LA, San Diego, BOS)





High Speed Rail

- Immediate future will focus on protecting the right-of-way against deliberate acts of sabotage
- Emphasis on new and emerging technologies to include intrusion detection
- Risk-based methodology of applying funds to projects as determined by vulnerability assessments



Department Contacts

Vice President & Chief of Police
John J. O'Connor
Penn Station New York
Phone: 212.630.7107

Assistant Chief Lisa Shahade
Philadelphia, PA
Phone: 215.349.4846

Deputy Chief Bob Smith
Boston, MA
Phone: 781.751.5114

Deputy Chief Curtis Hart
New York, NY
Phone: 212.630.7110

Deputy Chief Keven Gray
Washington, DC
Phone: 202.906.3103

Deputy Chief Phil Arnold
Chicago, IL
Phone: 312.880.5255

Deputy Chief Edward Thornton
Philadelphia, PA
Phone: 215.349.1644

Deputy Chief John Tewey
Washington, DC
Phone: 202.906.2290