The Rail Network

• Is Vital to the Nations Economy, National Defense and Public Health
  – 64% of coal used for electric power
  – 70% of automobiles made in the US
  – Critical to military mobilization & re-supply
    • 98% of ammo used by the US in Iraq war
  – 20% of chemicals essential to public health, such as chlorine
Approach - Past vs Post 9/11

• Past Focus Was on Natural Disasters & Equipment Failures

• New Threat - Terrorism Illuminated New Vulnerabilities
Risk Assessment Focus Areas

Five Critical Action Teams

- Military Traffic
- Operating Practices
- Hazardous Materials
- Infrastructure
- Communications & Information Systems
Alert Levels

Railroads

Alert level 4: confirmed threat of attack
Alert level 3: credible threat of attack
Alert level 2: heightened security awareness
Alert level 1: normal day to day operations
Railroad Security
Intelligence System

- JTTF/ATAC (33 Special Agents assigned) (1-AAR Rep on NJTTF)
- (Secret Clearances, Ste-phone)

**INTEL SHARING**
- FBI, Local Law Enforcement, Local Emergency Management Professionals
- AAR- Operations Center & Other Railroads
- DOT - Transportation Security Administration
- U.S. Dept. of Justice
- Immigration and Naturalization Services
- Various Governor’s Office of Emergency Services
- Internal Intelligence Systems
- CTPAT- Customs Trade Partnership Against Terrorism 12/31/03
Union Pacific’s Security Plan

- Our Security Plan is complete and has been rolled out to the service units with specific action items for operating, police and IT.
- Our Security Plan is maintained in a secure database.
- Communication procedures are in place.
- Security training has been completed.
- Intelligence gathering system is in place and evolving.
- We continue to conduct assessments and develop countermeasures.
- We are testing our implemented countermeasures through audits, drills, and simulations and continuing to improve our processes, technology, and training.
Summary

- **Best Practice Security Plan in Place**
- **Strong Communication Processes and a Response Center specially designed to Manage Critical Incidents**
- **Professionally Trained Police Department**
- **Employee and Community Training in Place**
- **Committed to Continuous Improvement**
Employees – Contractors

• Employees – 50,000
  – Background
  – Training
  – Identification

• Contractors/Suppliers – 80,000
  – Background
  – Training
  – Identification
Program Development

• Verify Identity and Background
• Safety Train
• Security Train
• Provide an Identification Badge
• Enforce Compliance
  – Union Pacific
  – Industry
Responsibilities

• Strategically Placed to respond to:
  – Trespassers & Suspicious Activity
  – Prevent & Investigate Theft, Burglary & Organized Crime
  – Protect Facilities & Critical Infrastructure
  – Protect Military and Sensitive Shipments
Special Operation Response Teams
K-9 Program

- Used for the detection, apprehension and control of felony and misdemeanor suspects.
- Used to conduct searches for people and drugs.
- Used in situations where the safety of the Officer or others is threatened.
Smuggling By Rail

US Customs says the #1&2 cash generators for the Mexican Mafia smuggling are narcotics and people.
Smugglers: Professional Criminals that put innocent people in harms way for money

A smuggler will lock the innocent inside one car and ride on another car, letting them out at destination.

If apprehended, the smuggler will not give information about the trapped load to avoid arrest and criminal prosecution for smuggling.
No Railcar Is Exempt

El Paso, 1990, 78 UDAs in Hopper

Laredo - Tank Car

Harlingen - Boxcar

As many as 135 people have been found locked inside one railcar.
Gamma Ray Technology

- Installations started in Laredo in 1999
- Detectors are operated by US Customs
- Takes an “X-Ray” of the entire railcar
- Shows differences in shapes and density
- Selects cars for further physical inspection
- Speeds the inspection process & traffic flow
Union Pacific Railroad
US Customs Gamma Ray Device Deployment

VACIS (Vehicle Cargo Inspection System)
Gamma Ray Finds Internal Density Changes

VACIS image of tank car loaded with 1,157 kilos of marijuana in the ends

Suspect Areas
TIH in HTUAs
22 HTUAs on UP Railroad
DHS AND DOT FOUND 4 AREAS TO BE ADDRESSED

• Secure storage areas for cars carrying TIH
• Expedited movement of trains with TIH
• Positive and secure handoff of TIH at interchange and points of origination and delivery
• Minimization of unattended cars with TIH
• 0.03 %
• 50 %
Security Technology Application

TRiDS - Train Rider Detection System

Automated Security Inspections of Trains
High Speed Image Capture
Thermal Imaging
Automatic intruder detection
Audible warning and alarm
Real time remote viewing
Container monitoring
RFID Scanner
Questions?