

TSA Surface Transportation Security

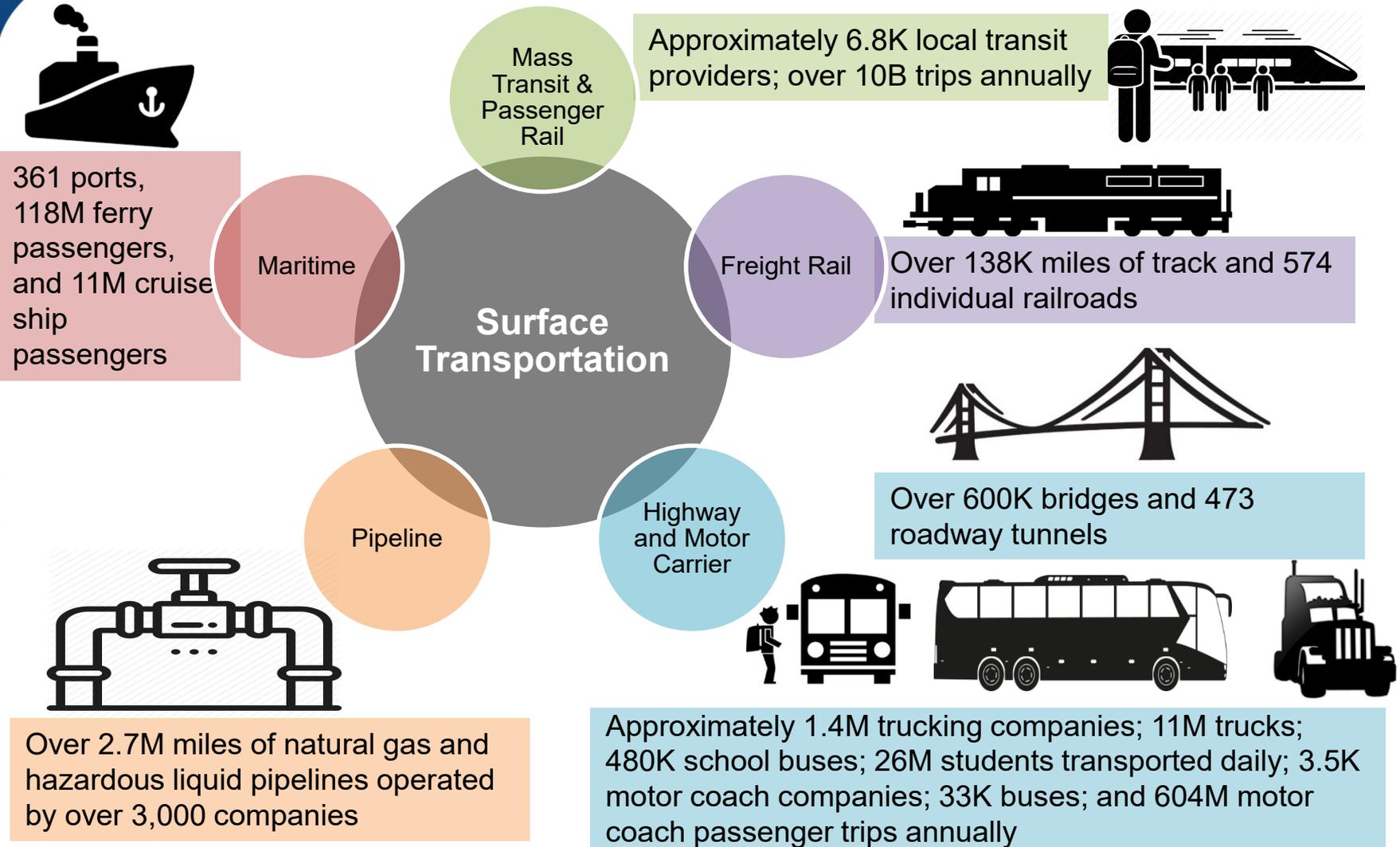
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United States Surface Transportation Landscape



Overview

- Surface transportation systems are inherently difficult to secure because their open architecture is designed to move people and goods quickly based on publicly available and observable schedules with defined patterns of movement
- Collaboration with industry is crucial in securing surface transportation systems, as the owners/operators have primary responsibility for the security of their systems
- TSA enhances transportation security through planning, development, and implementation of intelligence-driven risk-based policies and plans. The primary goals of these activities are to prevent catastrophic terrorist events and to protect critical infrastructure
- TSA utilizes a field force of approximately 200 Surface Transportation Security Inspections to carry out security activities with surface stakeholders across the nation.

Surface Transportation Security Activities (continued)

- TSA conducts a wide range of security activities to assess and help raise the security baseline of surface transportation agencies across the nation
 - Baseline Assessment for Security Enhancement (BASE) – Specific to Mass Transit & Passenger Rail (MTPR) and Highway Motor Carrier (HMC) modes
 - System-wide security review assessing the implementation status of Security Action Items deemed critical to achieving a sound security program
 - FY 2019: 187 assessments with MTPR and HMC entities
 - Since FY2006: 771 MTPR assessments and 857 HMC assessments have been conducted.
 - Assess MTPR critical infrastructure in cities hosting major security events
 - Examples: Super Bowl (Atlanta and Miami), Republican and Democratic National Conventions (Charlotte and Milwaukee)
 - Security Enhancement Through Assessment (SETA) – All Surface Modes
 - Three-phase process: 1) establish a security baseline; 2) provide security briefings (training) to employees to address Phase 1 results; and 3) re-assess and help develop a sustainment (improvement) program
 - FY19: 109 Assessments with Avg. Improvement of 33%

Surface Transportation Security Activities (continued)

- First Observer Plus™ training – All Surface Modes
 - Security training program for surface transportation stakeholders to “Observe, Assess, and Report” suspicious activities and packages
 - Since 2016, over 20,000 surface employees have been trained in person with an additional 5,500 trained utilizing an online module
- Exercise Information System (EXIS) – All Surface Modes
 - Online exercise tool providing resources to design, document, and evaluate tabletop exercises and workshops
 - 15 exercises conducted in FY 2019
- Corporate Security Review (CSR) and Critical Facility Security Review (CFSR) – Pipeline
 - TSA partners with the Top 100 pipeline operators in the nation to assess an operators corporate and critical facility level adherence to the 2018 Pipeline Security Guidelines
- Regulatory Compliance Enforcement (49CFR1580 Rail Transportation Security):
 - Ensure Rail Security Coordinator designations
 - Report Significant Security Concerns to TSA
 - Secure transfer of Rail Sensitive Security Materials (RSSM) freight rail cars within or going through High Threat Urban Areas (HTUAs)

Surface Cybersecurity

- TSA continues to work with its Federal partners (CISA, DHS, DOD, DOT, FAA, and others) to develop policies and strategies to safeguard the Transportation Security Sector.
- TSA has partnered with CISA's National Risk Management Center (NRMC) to conduct in-depth cybersecurity assessments at critical pipeline companies. TSA and CISA/NRMC will conduct outreach with stakeholders and utilize existing or develop new tools and services, if necessary, to improve their cybersecurity posture.
- 5N5 is a TSA Cybersecurity Workshop series that is designed for transportation owners and operators to learn about Department of Homeland Security resources and programs available to them, as well as non-technical policy or procedural actions that can be implemented to enhance their company or agency's cybersecurity posture. These workshops are held regionally and bring together representatives from all surface modes to foster peer-to-peer information sharing.

Surface Security Technology

TSA evaluates advanced technologies and facilitates industry awareness to help identify surface transportation security capability gaps



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Surface Security Technology (Continued)

TSA coordinates with various technologies, vendors, and stakeholders to ensure support is provided for mitigating surface transportation security. Below are examples of detection technologies.



Mass Transit

- Standoff Trace/Handhelds



Pipeline

- Testbeds for infrastructure protection technology



Highway Motor Carrier

- VBIED Screening



Freight Rail

- Freight Rail Bridges



Public Areas

- Next Generation DaR



Maritime

- Standoff Trace/Handhelds
- Cross over technology



Infrastructure Protection

- Blast Mitigation
- IRiS
- Perimeter Detection
- Intrusion Detection

