AASHTO Special Committee on Transportation Security and Emergency Management (SCOTSEM) Overview

RSTS Meeting
2016 AASHTO Annual Meeting
Boston, Massachusetts
A Brief History of SCOSTEM

- Created following the events of Sept 11, 2001
- Partnership between AASHTO and TRB

- Original mission:
  To learn about, prepare for, and develop responses to events of terrorism that might threaten the transportation system
A Brief History of SCOTSEM

Task Force on Transportation Security (2001-03)

• Chair: Henry Hungerbeeler, MoDOT

• Membership: 15 states: CA, DE, FL, GA, IL, MD, MN, MO, NM, NY, PA, TX, VA, WA & WI

• Est. partnership with NCHRP 20-59 Research Program

• Guides & workshops for DOTs on vulnerability assessment and emergency response planning

• Blue Ribbon Panel Recommendations for Bridge and Tunnel Security
A Brief History of SCOTSEM

Special Committee on Transportation Security (2004-08)

- Chair: D. Ekern, ITD; V. Chair: J. Contestabile, MDOT

- 2004 - Initial Membership: CEO Chair/Vice Chair, 2 reps/AASHTO Region; reps from selected AASHTO committees (21 members)

- Strategic plan: Summer 2004

- 2006 - Expanded Membership: Up to 3 reps/state

- Updates to key AASHTO Guides, expanded research, began hosting annual Transportation Hazards & Security Summits
A Brief History of SCOTSEM

Special Committee on Transportation Security & Emergency Management (2008 - 2010)

• Chair: D. Ekern, VDOT; R. Iwasaki, Caltrans; V-Chair: C. Runyon WVDOT

• Added ‘Emergency Management’ to name/mission

• New strategic plan: Summer 2010

• 4th Survey of DOTs needs completed in 2010
A Brief History of SCOTSEM

Special Committee on Transportation Security & Emergency Management (2010 - Present)

• Chair: B. Ness, ITD;
  V-Chair: C. Runyon WVDOT

• Focused on Professional Development and Peer to Peer Exchanges

• Adoption of Security 101 Guide

• Adoption of a Guide to All Hazards Emergency Response Planning
SCOTSEM 4th Generation Strategic Plan (2014-2018)

- **Vision**: A national transportation community focused on the all hazards infrastructure protection and emergency management of a resilient surface transportation system.

- **Mission**: Serve state DOTs, other AASHTO committees, and partner organizations by developing, promoting, and supporting the coordinated implementation of all hazards infrastructure protection, emergency response, and related system operations/resilience programs.
2016 SCOTSEM Leadership Team

- **Chair:** Brian Ness, ID DOT

- **Vice Chair:** Chuck Runyon, WV DOT

- **Liaisons:** Patrick Zelinski & Gummada Murthy, AASHTO
2016 SCOTSEM Leadership Team

Regional Working Group Chairs:
- **NASHTO**: Lorenzo Parra, MA DOT
- **SASHTO**: Derial Bivens, TN DOT
- **MAASTO**: Carl Merckle, OH DOT & Mike Daley, WV DOT
- **WASHTO**: Dale Lathan, WA DOT

Technical Working Group Chairs:
- **All-Hazards Infrastructure Protection**: Eileen Phifer, MI DOT
- **EM**: Herby Lissade, Caltrans
- **Research**: Mel Coulter, ID DOT
Products from TRB Research Since September 11, 2001

• **207** security, emergency management, and infrastructure protection-related planning and implementation projects have been initiated through programs managed by the Transportation Research Board’s Cooperative Research Programs

• **159** projects completed;

• **29** projects in progress;

• **19** projects contracts pending/in development.

• ~**$30** million worth of completed and ongoing TRB security research.
NCHRP Project 20-59(36)
NCHRP Report 525, Vol. 14

Chapter 1: Risk Management and Risk Assessment
Chapter 2: Plans and Strategies
Chapter 3: Physical Security Measures
Chapter 4: Security Personnel and Training
Chapter 5: Infrastructure Protection
Chapter 6: Homeland Security

The National Academies of
SCiences • Engineering • Medicine

Guide
- Summary
- Overview for state transportation agencies (authorities, etc.)
- High-level requirements based on national policies and guidelines
- High-level self-assessment with pointers

Section 6: Resource Guide
- Organizational/staffing/position guidance
- Decision-making sequences
- Detailed self-assessment and resource lists
SCOTSEM Annual Meetings

2016 SCOTSEM Annual Meeting in conjunction with TRB Critical Infrastructure Committee

- August 21-25 in Tucson, Arizona
- 80 attendees, including representatives from 26 state DOTs
- Included live active shooter training exercise with TSA, Northwest Fire District, Pima County Regional SWAT Team, and Pima County Sheriff’s Office

2017 Annual Meeting

- Houston, Texas in August
- Joint meeting with AASHTO Subcommittee on Highway Transport (SCOHT) and TRB Critical Infrastructure Committee
Recent Research Submittals

Three NCHRP problem statements selected from 2017 cycle

- Implementation support for deploying tools helping DOTs achieve a resilient transportation system. This project will include a national summit on resilience in 2018.

- Implementation support for deploying transportation security practices in state DOTs (funded by TSA)

- Implementation support for deploying transportation emergency response planning guidelines in state DOTs
Recent Research Submittals

One 20-24 problem statement selected from the 2017 project cycle

- Transportation System Resilience: Research Roadmap and White Papers

Three NCHRP problem statements submitted to the FY 2018 cycle:

- Essential Communications
- FireCast
- Support for State DOT Transportation Systems Resilience and All-Hazards Programs
SCOTSEM Resilience Research Program 2016-2018


  - Understanding Transportation Resilience: A Cyber Perspective
  - Understanding Transportation Resilience: An Economic Perspective
  - Understanding Transportation Resilience: An Environmental Perspective

- CEO Primer on Transportation Resilience (2017-2018)

- 2017 CEO Engagement Forums (2017-2018)
Questions?