TRB STANDING COMMITTEE ON CRITICAL INFRASTRUCTURE PROTECTION (ABR10): WHAT WE’RE DOING WITH REGARD TO RESILIENCY

AASHTO Technical Committee for Bridge Security and Hazards
June 26, 2018

Laurel J. Radow, Chair
TRB Standing Committee on Critical Infrastructure Protection
TRANSPORTATION RESEARCH BOARD (TRB)  
TRANSPORTATION RESILIENCY SECTION

Section Mission:  
*To promote discussion among principals, disseminate research findings, and identify priority research topics* in the area of transportation systems and services before, during and after periods of increased stress, service disruptions, and critical human need in order to enhance recovery.

Section Goals:  
**Promote communication** especially among the “lifeline sectors” (power, communications, and water/wastewater) and transportation stakeholders to enhance knowledge of these sectors’ interconnectedness and common vulnerabilities (including cyber vulnerabilities).  
**Build understanding of the sources of risk and potential mitigation options** at the community, regional and national levels for implementation prior to significant disruptions or failure of transportation assets during periods of increased stress.  
**Develop an integrated conceptual framework and guidelines** that map the system of physical and social infrastructures that are essential to maintaining transportation services and mechanisms for increasing resilience and reliability.  
**Identify and promote new research** that will lead to cross-cutting and inter-disciplinary methodologies that will integrate resilience practices and adaptation measures for the transportation sector.  
**Support the needs of end users** by providing guidance that encourages the incorporation of system resilience and sustainability into the routine planning, planning, engineering, financing, management, and maintenance activities of transportation.
SECTION COMMITTEES AND TASK FORCE

TRB Standing Committee on Critical Infrastructure Protection, ABR10
Chair: Laurel Radow, FHWA (retired)

TRB Standing Committee on the Logistics of Disaster Response and Business Continuity ABR20 Chair: Anne Strauss-Wieder, North Jersey Transportation Planning Authority

TRB Standing Committee on Emergency Evacuations, ABR30 - Chair: Mike Robinson, Old Dominion University

TRB Special Task Force on Climate Change and Energy, A0020T, Chair: Dr. Mark Abkowitz, Vanderbilt University
TRB STANDING COMMITTEE ON CRITICAL INFRASTRUCTURE PROTECTION ACTIVITIES

- Beginning after 9/11, TRB though its NCHRP 20-59 work, completed 224 research projects in transportation security and emergency management.
  - Building off that work, the 2020-2025 Resilience Research Roadmap Workshop was held at the 2018 TRB Annual Meeting
  - Summary of the workshop to be provided at the 2018 Resilience Summit to be held in Denver, October 8-10.

- ABR10’s Partnership with AASHTO’s SCOTSEM (Special Committee on Transportation Security and Emergency Management)
  - All Hazards Summits held from 2006-2013 in Irvine, CA
  - ABR10 participated in the planning of the SCOTSEM meetings since 2013
  - With SCOTSEM sunsetting in 2017, ABR10 is very much interested in working with the AASHTO’s Bridge Security and Hazards Committee
    - The AASHTO Bridge Security and Hazards Summit has been a long-time partner in the Bridge Workshops that we’ve sponsored at the TRB Annual Meetings.

- With a strong research foundation in place, in 2014, TRB established the Transportation Resiliency Section.
- These complementary actions allow for TRB to continue its research program, now with a broader focus on resiliency.
TRB STANDING COMMITTEE ON CRITICAL INFRASTRUCTURE PROTECTION: RECENT ACTIVITIES

- Activities - Getting to Resiliency
  - Since 2014, ABR10 has either taken the lead or played a major, active role in the following
    - 2014-2017: Authored the two-page Transportation Resiliency Section Fact Sheet distributed at the TRB Annual Meetings
    - 2018 Fact Sheet was expanded to four pages to include information about the October 2018 Resiliency Summit
    - 2017: Resiliency Issues for both TR News and an E-Circular
    - 2017-18: Several committee members and friends of the committee are members of both the October 2018 Resiliency Summit Planning and Program Committees
Recent TRB Publications on Transportation Systems Resilience

CRITICAL INFRASTRUCTURE PROTECTION COMMITTEE MEMBERS

- Authored articles for both publications

- Participated throughout the development of these two publications

TR News link -
http://www.trb.org/Publications/Blurbs/176812.aspx

Transportation Research Circular -
TRB STANDING COMMITTEE ON CRITICAL INFRASTRUCTURE PROTECTION (ABR10)

- Three Subcommittees
  - Cyber Security
  - Physical Security
  - Supply Chain
PHYSICAL SECURITY
SUBCOMMITTEE 2018
CONFERENCE CALLS

- Wednesday, July 18, 1-2 p.m. EDT
- Wednesday, October 18, 1-2 p.m. EDT
- For more information about the calls and to be added to the subcommittee’s e-mail list, please contact subcommittee co-chairs Rae Zimmerman at rz1@nyu.edu or Josh DeFlorio at jdeflorio@panynj.gov
WHAT YOU CAN DO TO HELP SET THE TRB RESILIENCY RESEARCH AGENDA

- Become a friend of the TRB Standing Committee on Critical Infrastructure Protection, ABR10.
- Become a member of one of the subcommittees.
  - You don’t need to be a committee member to be a member of a subcommittee.
- Attend the 2018 Transportation Resilience Innovations Summit and Exchange in
THANK YOU

- Questions: Laurel Radow - lradow2@gmail.com

- To learn more or to register for the October 2018 Resiliency Summit, please go to http://transportationrisesummit.com