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

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AASHTO Technical Committee for Bridge Security and Hazards

June 26, 2018

Laurel J. Radow, Chair

TRB Standing Committee on Critical Infrastructure Protection

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# TRANSPORTATION RESEARCH BOARD (TRB) TRANSPORTATION RESILIENCY SECTION

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## **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.

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# SECTION COMMITTEES AND TASK FORCE

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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

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# TRB STANDING COMMITTEE ON CRITICAL INFRASTRUCTURE PROTECTION ACTIVITIES

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- ❖ Beginning after 9/11, TRB through 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*.
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# TRB STANDING COMMITTEE ON CRITICAL INFRASTRUCTURE PROTECTION: RECENT ACTIVITIES

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- 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
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# Recent TRB Publications on Transportation Systems Resilience

## CRITICAL INFRASTRUCTURE PROTECTION COMMITTEE MEMBERS

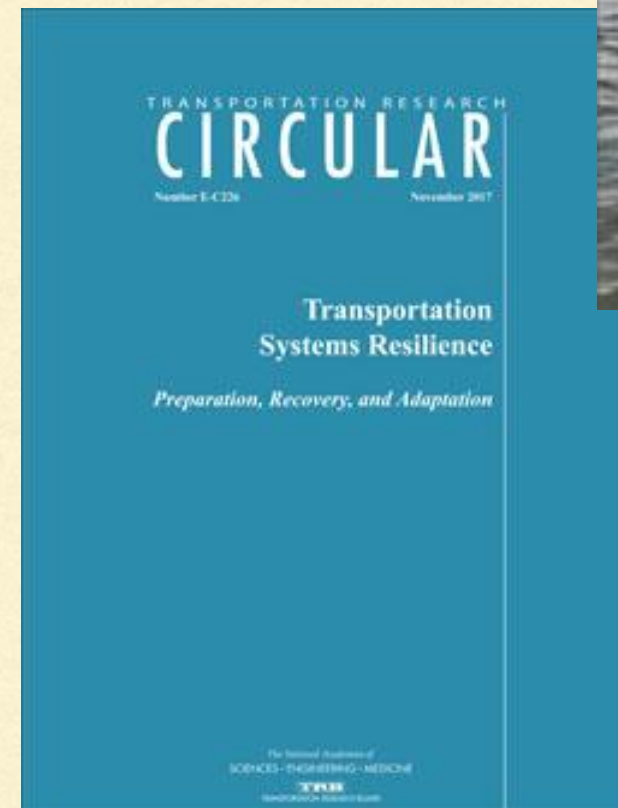
- Authored articles for both publications
- Participated throughout the development of these two publications

TR News link -

<http://www.trb.org/Publications/Blurbs/176812.aspx>

Transportation Research Circular -

<http://www.trb.org/main/blurbs/176885.aspx>





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# TRB STANDING COMMITTEE ON CRITICAL INFRASTRUCTURE PROTECTION (ABR10)

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

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- 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](mailto:rz1@nyu.edu) or Josh DeFlorio at [jdeflorio@panynj.gov](mailto:jdeflorio@panynj.gov)
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# WHAT YOU CAN DO TO HELP SET THE TRB RESILIENCY RESEARCH AGENDA

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- ◆ 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
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# THANK YOU

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- Questions: Laurel Radow - [lradow2@gmail.com](mailto:lradow2@gmail.com)
  - To learn more or to register for the October 2018 Resiliency Summit, please go to <http://transportationrisesummit.com>
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