



2026 USDOT Industry Day Expo

Advancing Bridge Safety, Assessment, and Management



The 2026 USDOT Industry Day Expo will showcase deployable technologies and practical pathways to implementation for improving bridge safety, assessment, and management while addressing adoption barriers. Presentations will include a mix of emerging and existing technologies without widespread penetration among bridge owners in the United States.

Organized by: The U.S. Department of Transportation, Rutgers University CAIT, and research partners as part of the Advanced Bridge Technology Clearing House (ABTC) project.

Purpose: To help accelerate the deployment of implementable bridge technologies beyond isolated pilot projects across federal, state, and local transportation agencies.

National forum: Industry Day will convene and enable critical stakeholders to align technology readiness with agency needs, clarify pathways to implementation, and reinforcing ABTC's role as the nation's clearinghouse for advancing bridge innovations.

Expo Overview

>> **Date**

Wednesday
August 12th, 2026

>> **Venue**

Rutgers University
Richard Weeks Hall of Eng.
Piscataway, NJ

>> **Intended Audience**

USDOT, State DOT Bridge
and Asset Management
Engineers, Local Agencies,
Industry, Academia

Agenda

Session I – Framing the Opportunities & Challenges

- 8:30-9:00am **Welcoming & Opening Remarks**
- 9:00-9:30am **Keynote Presentation: Safety, Technology, and Management of the Nation's Bridges - From Innovation to Implementation**
Michael Johnson, President, Michael B. Johnson P.E.
- 9:30-9:45am **Overview of the Advanced Bridge Technology Clearinghouse (ABTC) Project**
Nenad Gucunski, Professor, Rutgers University
- 9:45-10:15am **Break & Networking**

Session II – Interactive Technology Showcase: Proven & Emerging Solutions

- 9:45-10:00am **Interactive Technology Showcase**
Hands-on interaction with technologies and exhibitor demos in the areas of Safety & Resilience; Assessment, Monitoring & Data Integration; and Decision Support
- 10:30-11:30am **Moderated Panel Discussion**
Strategies for successfully implementing new technologies
- 11:30-1:00pm **Lunch & Continued Networking**

Session III – Agency Success Stories, Implementation Strategies & Future Perspectives

- 1:00-3:00pm **Case Studies, Successes, & Challenges**
- 1:00-1:40pm **Technologies for Improved Bridge Safety**
Bridge Scour Dynamic Monitoring - Case Study
Bridge Collision Prevention Technology - Case Study
- 1:40-2:20pm **Technologies for Improved Bridge Assessment**
Application of NDE & SHM - Case Study
Innovative Bridge Condition Assessment Tools - Case Study
- 2:20-3:00pm **Modern Bridge Management Systems (BMS)**
Application of BMS Software for Decision Making - Case Study
Application of Field Inspection Collection Software - Case Study
- 3:00-3:30pm **Break & Networking**
- 3:30-4:00pm **Cross-Sector Perspective: Overcoming Technology Adoption Barriers at Scale**
Kristen White, Head of Transportation Strategy & Partnerships, Google
- 4:00-4:30pm **Key Takeaways, Next Steps & Closing Remarks**