



Work Zone Safety Innovations

National Work Zone Awareness Week (NWZAW)

As part of Work Zone Safety Training Day

April 20, 2026

2:30 to 4:00pm Eastern



U.S. Department of Transportation
Federal Highway Administration



Disclaimers



This material is based upon work supported by the Federal Highway Administration (FHWA) under cooperative agreements. 693JJ32450006 and 693JJ32350033.

The material was prepared by ATSSA and ARTBA. Any opinions, findings and conclusions or recommendations expressed in this training are those of the Author(s) and do not necessarily reflect the view of the Federal Highway Administration. This training does not constitute a national standard, specification or regulation.

The U.S. Government does not endorse products, manufacturers or outside entities. Trademarks, names or logos appear in this training only because they are considered essential to the objective of the document. They are included for informational purposes only and are not intended to reflect a preference, approval or endorsement of any one product or entity.



U.S. Department of Transportation
Federal Highway Administration



2



Work Zone Safety Training Day



- Kick-off NWZAW
- Moment of Silence
- Training Day
- Topics:
 - Personal Protective Equipment (PPE)
 - Traffic Control Devices – Pavement Markings
 - Roadway Worker Protection
 - Use of Automated Flagger Assistance Devices
 - Work Zone Safety Technologies



U.S. Department of Transportation
Federal Highway Administration



3



Enhancing Worker Visibility: InDOT Green Wearable Lights



- Presenter: Todd May, Indiana DOT
- Learning objectives:
 - Explain the Purpose and Safety Value
 - Apply Proper Usage Requirements



U.S. Department of Transportation
Federal Highway Administration



4



Use of Wet Night Retroreflective Pavement Markings for Work Zones and Permanent Situations



- Prenter: Ethan Peterson, Minnesota DOT
- Learning objectives:
 - Understand the safety and performance benefits of wet night retroreflective pavement markings by examining crash data, FHWA research findings, and their impact on reducing wet-weather and nighttime crashes, particularly in Temporary Traffic Control (TTC) zones.
 - Apply best practices and policy considerations for implementing wet night retroreflective pavement markings in projects, including alignment with MUTCD principles, support for ADAS/ADS technologies, and strategies for consistent specification, installation, and maintenance across jurisdictions.



Reducing Worker Exposure in Work Zones: MassDOT Strategies



- Prenter: Neil Boudreau, Massachusetts DOT
- Learning objectives:
 - Apply quality guidelines and quality control inspection practices for traffic control devices, including positive protection, to ensure proper selection, installation, and ongoing performance that meets safety standards and protects workers in high-risk environments.
 - Identify effective traffic control device spacing strategies along tangent roadway sections near active work zones, with an emphasis on tightened spacing to increase driver awareness and speed compliance in areas with worker presence.
 - Explain and evaluate the use of automated deployment systems for Temporary Portable Rumble Strips (TPRS) to improve worker safety, reduce worker exposure during setup and removal, and enhance consistency in Temporary Traffic Control applications.



Use of Automated Flagger Assistance Devices



- Prenter: Matt Neemann, Nebraska DOT
- Learning objectives:
 - Describe Nebraska’s implementation and operational use of Automated Flagger Assistance Devices (AFADs) and how these efforts are reducing worker exposure to live traffic and improving safety in roadway work zones.
 - Assess the effectiveness of AFADs in protecting roadway workers by reviewing Nebraska’s current practices, lessons learned, training needs and considerations for broader adoption in Temporary Traffic Control applications.



Work Zone Safety in Florida: Strategies, Technology, and Outreach



- Prenter: Kelly Farabee, Florida DOT
- Learning objectives:
 - Explain the goals and key components of Florida’s Work Zone Safety Action Plan, with an emphasis on Temporary Traffic Control (TTC) practices used to improve safety for roadway users and workers.
 - Identify and describe effective work-zone safety practices, including the use of technology-based strategies such as late merge systems and queue warning systems, and evaluate how these tools reduce crash risk and enhance worker protection.
 - Recognize the role of public outreach and education in improving work-zone safety and assess how targeted communication campaigns can influence driver behavior to better protect roadway workers.



Additional Work Zone Safety Training

- ATSSA, Eric Perry
- ARTBA, Brad Sant



U.S. Department of Transportation
Federal Highway Administration



ATSSA Trainings and Resources



- Work Zone Safety Grant Courses:
 - Offering over 14 different types of trainings for laborers and practitioners

- New Products Rollout Program
 - New and emerging technologies (2021-2026)
 - Product overviews and videos available



U.S. Department of Transportation
Federal Highway Administration



ARTBA Training and Resources



- Work Zone Safety Grant Courses:
 - High-demand courses including:
 - OSHA 10-Hour for Roadway Construction
 - Preventing Falls
 - Trench and Excavation Safety
 - Roadway Safety+
- New Work Zone Safety Documents.
- Over 30 Online Training Classes (PDHs provided)
- “Toolboxes” of videos, fact sheets, pamphlets, etc.
- Visit the ARTBA Safety Center at <https://artbatdf.org/safety-center/>



Webinar Evaluation - Your Feedback Matters



- Please be on the lookout for a brief evaluation following this webinar.
- Your feedback helps us improve future webinars and conferences, including the **National Work Zone Management Conference** this fall.
- The evaluation will ask about:
 - How likely you are to apply information from today’s webinar in your work
 - Additional training topics that would be most valuable to you
 - Emerging or innovative roadway safety technologies you would like to learn more about or better understand how to implement
 - Work zone safety challenges you are currently facing that were not addressed today
 - Topics that should be prioritized at the National Work Zone Management Conference

