

BIWEEKLY RESOURCE PAGES

(All Times Central, 3/16/2021)

Iowa LTAP & Guest Speaker Webinars

Work Zone Driveway Assistance Devices (DADs): Past Research & Evaluation of Display Strategies.

Friday, 3/19 at 12:00 PM. Guest speaker: Tim Gates, Michigan State University. The Driveway Assistance Device (DAD) is an experimental device used to direct traffic onto a bi-directional, single-lane work zone from a driveway or side street. This device uses alternating flashing arrows to indicate the traffic flow direction along the work zone segment in order to reduce wrong-way driving. Although several states have experimented with DADs in various work zone settings, there remains a lack of consensus regarding the design aspects and the general effectiveness. To help address these issues, research was performed to evaluate various aspects of the DAD design, including auxiliary sign messages, signal configuration, and arrow color. For more information and to register for this webinar, please go to <https://iowaltap.iastate.edu/events/wz-driveway-assistance-devices/>

Safety and Operational Effectiveness of Traffic Signs. *Friday, 3/26 at 12:00 PM.* Speaker: David Veneziano, Iowa LTAP. Traffic signing provides critical regulatory and warning information to motorists for safety and operational purposes. This webinar will discuss the state-of-knowledge on the effectiveness and impacts of different regulatory and warning signs, as well as discussion on the installation, maintenance, and removal of signs. For more information and to register for this webinar, please go to <https://iowaltap.iastate.edu/events/safety-and-operational-effectiveness-of-traffic-signs/>

Safety Improvements and Funding. *Friday, 4/23 at 12:00 PM.* Speakers: Iowa LTAP, Iowa Division of FHWA; Iowa DOT; and Iowa GTSB. Please join Iowa LTAP, DOT, GTSB, and the Iowa Division of FHWA for an hour of discussions about various safety-related programs. Hear from the following speakers: FHWA will discuss the MUTCD update and the safe systems approach to safety, LTAP will talk about its equipment loan and road safety assessment programs, GTSB will summarize its collaboration crews, and the Traffic and Safety Bureau of Iowa DOT will present on their safety funding programs. For more information and to register for this webinar, please go to <https://iowaltap.iastate.edu/events/safety-improvements-and-funding/>

Iowa LTAP Workshops

Iowa DOT Culvert and Bridge Backwater Program Workshop. *Wednesday, 4/7 at 8:00 AM.* The workshop will cover the new USGS StreamStats program for estimating design discharges for sizing bridges and culverts. We will also go over the use of the Iowa DOT AEPD spreadsheet for calculating and comparing peak discharges using other methodologies. In addition, we will review the Iowa DOT Culvert program and Bridge Backwater program with example problems. For more information and to register, please go to <https://iowaltap.iastate.edu/events/dot-culvert-and-bridge/>

Design Length of Steel H-Piles and WEAP. *Wednesday, 4/14 at 8:30 AM.* The training class focuses on designing the length of steel H-pile needed for standard bridge designs in Iowa. The class considers a series of subjects as noted at the link below. The class leads participants through 4 different problems in order to demonstrate the design process. Participants will work at a computer using a spreadsheet setup to facilitate the design process. Since the class will be held virtually, it would be ideal for each student to have two monitors (one monitor to view the presentation and one monitor to view and work on the spreadsheet). The class will receive handouts detailing the examples and spreadsheet entry along with hand calculations. For more information and to register, please go to <https://iowaltap.iastate.edu/events/design-length-of-steel-h-piles-and-weap-equation/>

Excavation Safety. *Tuesday–Thursday, 4/27– 4/29 at 8:00 AM.* The workshop explains the hazards of excavation and trenching, how accidents happen, and how worker protective measures should be applied. It's a great way to inform new employees of safety protocol or to update more experienced employees on new safety information. For more information and to register, please go to <https://iowaltap.iastate.edu/events/2021-excavation-safety-virtual/>

Iowa Build a Better Mousetrap Competition Open

The 2021 Iowa Build a Better Mousetrap Competition application period is now open! If you or your staff has done something innovative to address everyday challenges, now is your chance to let everyone know about it. Fabulous prizes await the top 3 winners in Iowa, and the winner of the Iowa competition (in each category) is also submitted to the national competition. More details about the competition and the online application can be found at <https://iowaltap.iastate.edu/iowa-babm-competition/>. Applications are due by May 3, 2021. If you have any questions or problems, please contact Keith at kknapp@iastate.edu or 515-294-8817.

Workshops and Webinars by Others

The Federal Highway Administration (FHWA) has issued a Notice of Proposed Amendments (NPA) to the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD). They have added capacity to the following three webinars focused on this NPA.

1. **The Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) – General Overview of Proposed Changes.** *Thursday, 3/18 at 1:00 PM.* This webinar will highlight many of the proposed changes to the various parts of the MUTCD issued in the NPA and discuss how interested parties can provide input. For more information and to register, please go to this [link](#)
2. **The Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) – Pedestrian, Bicycles, and Transit; Overview of Proposed Changes.** *Thursday, 3/25 at 1:00 PM.* This webinar will highlight many of the proposed changes to the MUTCD issued in the NPA specifically related to pedestrian, bicycles, and transit, as well as discuss how interested parties can provide input. For more information and to register, please go to this [link](#)
3. **The Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) – Urban Traffic Control; Overview of Proposed Changes.** *Thursday, 4/1 at 1:00 PM.* This webinar will highlight many of the proposed changes to the MUTCD specifically related to urban centers and urbanized communities, as well as discuss how interested parties can provide input. For more information and to register, please go to this [link](#)

Introduction to Development Agreements and Other Contract-Based Value Capture (FHWA).

Wednesday, 3/24 at 12:00 PM. FHWA officially rolls out the Value Capture: Development Agreements and Other Contract-Based Primer. The webinar will provide practical information for implementing DA, CBA, JDA, and other contract-based VC techniques (such as public right of way [ROW] use agreements). For more information and to register, please go to this [link](#)

Asphalt Pavement Maintenance (TN LTAP). *Tuesday & Wednesday, 3/30 & 3/31 at 7:30 AM.* This workshop covers pavement evaluation, asphalt mix materials, hot plant mix production and pavement construction methods, routing pavement maintenance techniques, and pothole patching. For more information and to register, please go to <http://ttap.utk.edu/training/webinar.php?id=735&loc=1>