



This edition of the STIC *Innovation in Motion* e-newsletter features the [Brushing Loader Attachment and Vegetation Management Equipment Catalog](#) and the [Stormwater Management Training and Field Guidebook](#), two State Transportation Innovation Council (STIC) innovations that were introduced by the STIC's Maintenance TAG.

The [Brushing Loader Attachment and Vegetation Management Equipment Catalog](#) is currently moving through the [STIC Innovation Development Process](#) with the goal of providing maintenance forces with easy to access information about available tools for vegetation management.

The [Stormwater Management Training and Field Guidebook](#) Innovation has been deployed. It provides PennDOT maintenance crews with the knowledge to maintain stormwater management facilities, in order to comply with state and federal regulations.

This e-newsletter also highlights the Federal Highway Administration's (FHWA) National STIC Network Meeting, which was held virtually on Oct. 20. During the meeting, FHWA announced updates to their organizational structure as well this year's STIC Excellence Award recipients.

Keep your eye out for next month's STIC *Innovation in Motion* e-newsletter to learn about four new innovations that have been introduced to the STIC in 2021.



Work Continues on Innovation to Improve Roadside Vegetation Management

PennDOT and several local governments are exploring brushing loader attachments for their equipment inventories to improve the efficiency and safety of roadside vegetation management.

[Read more](#)



Stormwater Management Training and Field Guidebook Reaching New Milestones

Maintaining the state's 40,000 miles of roads involves much more than keeping the pavements smooth. PennDOT's maintenance staff must also keep watch over critically important Stormwater Control Measures (SCMs) to protect the environment.

To better prepare its staff for that challenge, PennDOT has developed [training modules](#) and a [field guidebook](#) covering issues involving retention ponds, sand filters, pervious pavement and constructed wetlands.

[Read](#)



Federal Highway Administration Restructures Offices to Enhance Innovation

The FHWA is restructuring its innovation deployment and workforce development efforts to deliver better results for the nation's transportation network, as mentioned during the [National STIC Network Meeting](#) on Oct. 20, 2021.

Amy Lucero, FHWA associate administrator for the Office of Transportation Workforce Development and Technology Deployment, reviewed the changes and introduced the newly created office to participants during the virtual meeting.

"We've brought together offices that manage the innovation and workforce programs with the office that led deployment training and technical assistance efforts," she said. "We organized a new office that joined the three centers from innovative program delivery, including the Center for Accelerating Innovation, the Center for Workforce Development and the Center for Local and Tribal Support. Those three centers joined three units from the Office of Technical Services."

The Office of Innovation Management, Education and Partnerships, the Office of Innovation Implementation-Resource Center, the Innovative Technologies and Practices Collaboration Team and the Innovative Workforce Development Team are all now part of the Office of Transportation Workforce Development and Technology Deployment.

"I happen to think this new office is a hit," Lucero said. "The goal of this new office is to strengthen innovation deployment and workforce development by bringing all the right people to the same table and providing the best coordinated resources in these areas for all our customers, stakeholders and partners."

In other developments at the meeting, the Michigan and North Carolina Departments of Transportation were honored with the 2021 STIC Excellence Award.

Michigan's STIC was recognized for its outreach events encouraging innovation. Its STIC held a virtual multi-state peer exchange and engaged in long-range planning development for such projects as a shoreline barrier system to minimize roadway

flooding, remote control devices to help prevent bridge scouring, a local emergency response playbook and an interactive innovation dashboard.

North Carolina's STIC was awarded for restructuring efforts that encompassed all the transportation modes within the North Carolina DOT.

The achievements included formation of a technical advisory committee to enhance the department's strategic direction, the development of strong academic partnerships with universities across North Carolina, and an internal departmental program to leverage communications among the various program areas to facilitate and advance innovations.



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