State Transportation Innovation Council (STIC)

Innovation in Motion

A newsletter with highlights from the STIC

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DEPLOY
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In this edition of the STIC *Innovation in Motion* e-Newsletter, learn how PennDOT's Engineering District 8, based in Harrisburg, Pa., is improving their drainage facility inspections with new technology.

This e-Newsletter also shares details about upcoming *Innovation in Motion* webinars, a lessons learned document about a recently deployed STIC innovation, and information about a new social media campaign and updates on the New Driver Work Zone Safety Program announced as part of Teen Driver Safety Week.

Enhancing Drainage Facility Inspections

How PennDOT District 8 is Leveraging Innovative Camera Technology

PennDOT Engineering District 8 has taken their drainage facility inspection program to a new level thanks to an innovative camera system that gives district staff the ability to view and inspect previously inaccessible or hard-to-reach areas.



The Envirosight Quickview® Pole Camera was acquired through an innovation funding program the district applied for in 2023.

The system consists of a powerful camera attached to a telescopic pole that can extend to depths of about 19 feet. The camera connects wirelessly to a touchscreen tablet that allows the operator to view pipes six inches or larger up to 400 feet in a straight horizontal or vertical alignment.

The camera produces high-resolution photos and videos that can be saved and referenced by the county maintenance organizations. It is equipped with a laser rangefinder that pinpoints a problem area, thus taking the guesswork out of finding the location.

It is compact, can be deployed rapidly, and allows more pipe to be inspected in less time than with other inspection methods.

To learn more about this innovation as well as other innovation advancements and success stories from across PennDOT, visit the PennDOT Focus on Innovations publication.

Looking Ahead

INNOVATION IN MOTION

Webinar Series

Pennsylvania Department of Transportation

Want to learn how PennDOT employees are driving innovation across Pennsylvania to help deliver a safer, more efficient transportation system?

PennDOT's *Innovation in Motion* webinar series showcases creative solutions, emerging technologies, and forward-thinking approaches being used across the agency. Presented by PennDOT employees, each webinar provides real-world examples of innovative projects, sharing how these ideas are improving transportation, the challenges encountered during implementation, and the lessons learned along the way.

The October webinar focused on how PennDOT is leading the way in modernizing asset management by developing and implementing innovative solutions and systems to maintain and improve the condition of Pennsylvania roadways.

Click on the links below to register for the remaining *Innovation in Motion* webinars and let these webinars inspire new ideas for your next great innovative initiative.

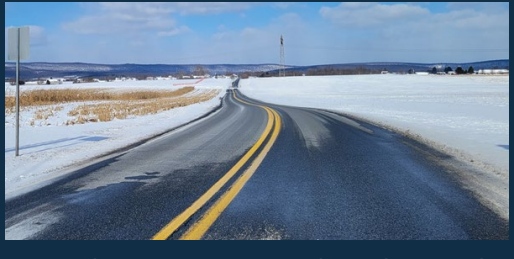
- Dec. 8 - Driving Innovation: How Paperless Solutions are Revolutionizing Quality and Safety in Transportation Projects

All webinars will occur from 10 a.m. to 11 a.m.

If you missed previous *Innovation in Motion* webinars, recordings are available on PennDOT's website.

Did You Know?

Living Snow Fence Innovation Lessons Learned Document Now Available!



Pennsylvania STIC innovations go through four phases, including Initiation, Initial Evaluation, Detailed Development and Advancement, before being successfully deployed. During the development of an innovation, Innovation Development Teams gather important information, and often resolve challenges and identify best practices, helpful in the deployment of the innovation. To capture this information and assist other areas interested in adopting the innovation, the Innovation Development Teams compile lessons learned and best practices, which are later made available on the STIC website.

A lessons learned document is now available for the STIC's recently deployed Living Snow Fence innovation, to provide PennDOT and its partners access to necessary information to incorporate these innovations into their work, such as how the innovation works, best practices, safety and cost benefits, contact information, and more.

Are you interested in deploying a STIC innovation in your area? Visit the STIC website to learn more.

PennDOT Highlights the Importance of Teen Driver Safety, Launches New Social Media Campaign for Teen Drivers

In recognition of Teen Driver Safety Week, PennDOT, together with the Departments of Education (PDE), Insurance (PID), and the Pennsylvania State Police (PSP) launched a new social media campaign featuring tips on vehicle maintenance and safety behind the wheel to prepare young drivers – and all drivers – to safely navigate different scenarios they may face before leaving home and while on the road.



Motor vehicle crashes are a leading cause of death among teenagers. In Pennsylvania from 2021 to 2025, there were 79,625 crashes involving at least one 16- to 19-year-old driver, resulting in 486 fatalities. Sixty-two percent of those crashes involved a teen driver driving too fast for conditions (22,635 crashes), improper/careless turning (14,477), driver distraction (10,188), or driver inexperience (7,064).

The campaign will feature informational videos on how to change a flat tire, check vehicle fluids and tire pressure, what to do if you're stopped by law enforcement, as well as Paul Miller's Law, Pennsylvania's distracted driving law, which bans the use of handheld devices while driving.

To further reinforce safe driving habits among teen drivers, PennDOT, the Pennsylvania Turnpike Commission, and the PDE teamed up in 2024 to launch a statewide training program to improve the safety of new drivers and protect roadway workers. Using $50,000 in STIC Incentive Program funding, the team developed Pennsylvania's New Driver Work Zone Safety Program, an online training that utilizes engaging videos, infographics, knowledge checks, and powerful testimonials to educate new drivers on work zone laws, signage, and key facts, while also presenting real-life scenarios to enhance understanding. Recent additions to this training program include facilitation guides and other printable materials to support teachers in presenting work zone safety programming through classroom instruction.

For more information on teen driver safety and the social media campaign, visit PennDOT's website.

For more information, visit www.penndot.pa.gov/stic or email penndotstic@pa.gov.