



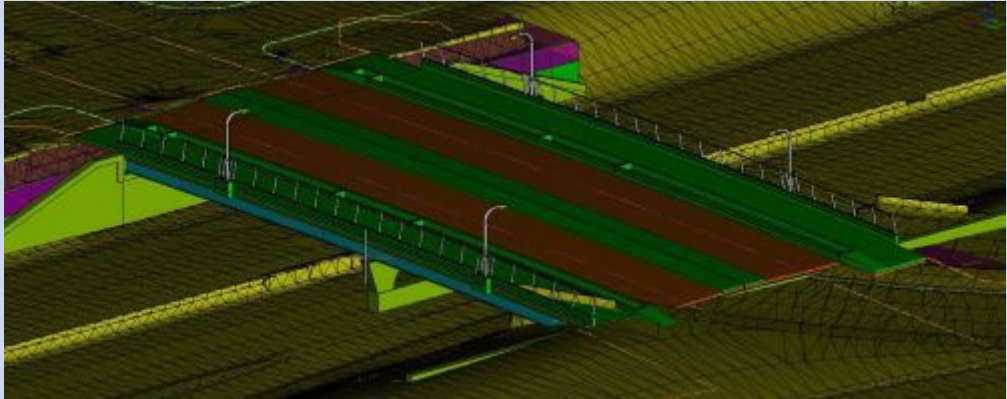
Innovation in Motion

A newsletter with highlights from the STIC

INNOVATE

DEPLOY

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This edition of the *Innovation in Motion* e-Newsletter highlights the Federal Highway Administration (FHWA) [EveryDay Counts Round 6 \(EDC-6\)](#) innovations, e-Ticketing and Digital As-Builts, that Pennsylvania continues to champion and move forward for implementation across the state. These two innovations utilize paperless technologies to transform the project delivery process by improving the accessibility of project data, which results in enhanced safety and cost savings.

Digital Data at Your Fingertips

The Digital Delivery Directive 2025, or [3D2025](#), will modernize PennDOT's project delivery processes and contract document media to incorporate digital data. The goal is that by 2025 construction projects will be bid using 3D technology and no longer be in a traditional construction plan format. This will help PennDOT incorporate streamlined processes to manage asset information as it changes throughout project development. PennDOT, currently a leading state DOT for digital delivery, was recently awarded a \$4 million [Advanced Digital Construction Management Systems \(ADCMS\)](#) grant to further this initiative.

PennDOT also continues to advance [e-Ticketing](#), transforming another manual process into an electronic one. The e-Ticketing initiative provides inspection staff with the opportunity to electronically track the acceptability of material and capture any other notes regarding the material in PennDOT's e-Ticketing app during delivery, eliminating the need for paper tickets. Ticket data is transmitted from the vendor to PennDOT's e-Ticketing mobile app via an application programming interface (API) and accessible to field inspection staff via a mobile app, which can be accessed on an iPad. PennDOT has piloted this innovation the past three years and full implementation is currently planned for the fall of 2024.



If you are interested in learning more about these innovations, stay tuned for the release of this year's **Focus on Innovations** online publication later this spring. In addition to updates on the EDC-6 innovations above, the publication will also feature updates on the EDC-6 innovations Targeted Overlay Pavement Solutions (TOPS), Crowdsourcing for Advancing Operations, Next Generation TIM: Integrating Technology, Data, and Training and UHPC for Bridge Preservation and Repair, as well as several STIC and homegrown innovations that have been implemented across Pennsylvania.

Looking Ahead



Want to learn more about innovative initiatives happening across PennDOT? Join us for our 2024 *Innovation in Motion* Webinar Series to hear about innovative practices, tools, and technologies being used to help move

transportation forward in Pennsylvania. All webinars will be held from 10 a.m. to 11 a.m.

- **June 11** - [Modernizing Technology: Creating Efficiencies and Exceeding Expectations](#)
- **Sept. 10** - [Innovating Winter Maintenance](#)
- **Dec. 10** - [PennDOT's Digital Transformation](#)

If you missed any of our previous *Innovation in Motion* webinars, they are now available for viewing at www.penndot.pa.gov/innovation. Select the blue "Innovation in Motion Webinar Series" tile on the right-hand side of the page.

Did You Know?

Low-Carbon Transportation Materials Grant Funding Now Available!

The FHWA Low Carbon Transportation Materials (LCTM) Program announced \$1.2 billion is available to state Departments of Transportation (DOTs) through a Request for Applications (RFA) to fund activities and projects that advance the use of low carbon materials and products. State RFA applications must be submitted by June 10, 2024. In addition, there will be \$800 million made available to eligible non-state DOTs in a Notification of Funding Opportunity (NOFO) in the coming months.

An informational webinar will be held on April 4, 2024, from 2 p.m. - 3 p.m. **Registration is required.**

[Registration Website](#)

For additional FHWA Pavements & Materials Program information and updates, visit the following [website](#).

For more information on these and other STIC innovations, email penndotstic@pa.gov.

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