

Innovation in Motion

A newsletter with highlights from the STIC

INNOVATE

DEPLOY

EDUCATE

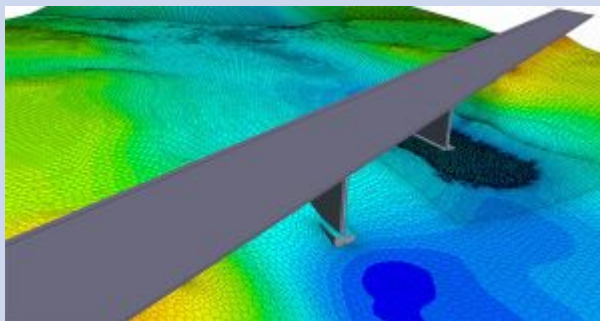


This edition of the STIC *Innovation in Motion* e-newsletter showcases Collaborative Hydraulics: Advancing to the Next Generation of Engineering (CHANGE). Learn how PennDOT is utilizing this [Federal Highway Administration \(FHWA\) Every Day Counts Round 4 \(EDC-4\)](#) innovation on a variety of bridge projects across the state.

This e-newsletter also highlights ways to travel safely this winter using PennDOT's 511PA website and app. In addition, listen to the final *Innovation in Motion* webinar of the year focusing on PennDOT's Digital Transformation.

Two-Dimensional Models Changing the Way PennDOT Approaches Bridge Construction

Extreme weather events place added pressure on designers to incorporate better resiliency into infrastructure. CHANGE utilizes 2D modeling where designers can produce varied and specific projected stream flows around bridge structures and evaluate potential impacts on surrounding areas. To learn more about this innovation and where it has been implemented, click [here](#).



Holiday Road Safety - Know Before You Go!

Don't let road conditions affect your holiday plans this season! Motorists are encouraged to "Know Before You Go" by checking road conditions on more than 40,000 roadway miles by visiting www.511PA.com. 511PA is an innovative and free tool available 24 hours a day. It provides traffic warnings, weather forecasts, traffic speed information and access to more than 1,000 traffic cameras. Users can also see plow truck statuses and travel alerts along a specific route using the ["Check My Route"](#) tool.

511PA is also available through a smartphone application for iPhone and Android devices, by calling 5-1-1, or by following regional Twitter alerts accessible on the 511PA website. For more information [click here](#).



PennDOT's Digital Transformation Webinar

The final 2023 *Innovation in Motion* webinar featured innovative initiatives involving Augmented Reality, Drone Data Capture for both Design and Construction and the Project Delivery Collaboration Center Solution. In addition to showcasing current pilot projects underway, the webinar provided lessons learned and PennDOT's plans to develop a single platform for these initiatives.

Click [here](#) to listen.

Don't get buried in materials tickets.



Go digital with e-Ticketing.

View previous *Innovation in Motion* webinars by visiting www.penndot.pa.gov/innovation and selecting the blue "Innovation in Motion Webinar Series" tile on the right-hand side of the page.

Stay tuned for the 2024 *Innovation in Motion* webinar dates to be announced soon!

Thank you for your continued support of the STIC and advancing innovations across Pennsylvania. The STIC Management Team wishes you a happy, healthy and prosperous New Year!



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