



State Transportation Innovation Council (STIC)

## Innovation in Motion

A newsletter with highlights from the STIC

INNOVATE

DEPLOY

EDUCATE



This edition of the STIC Innovation in Motion e-newsletter features the Certified Concrete Finishers Course, a STIC innovation that was introduced by the Construction and Materials TAG in 2018 and has moved through the STIC Innovation Development Process. The goal of the Certified Concrete Finishers Course is to help eliminate mistakes with concrete finishing, including the occurrence of scaling on state and local projects. The PennDOT requirement for Certified Concrete Finishers will go into effect with Change 4 of Publication 408 in April 2022.

This e-newsletter also highlights a three-day virtual Unmanned Aerial Systems (UAS) workshop hosted by PennDOT and the Federal Highway Administration (FHWA) in July 2021. Representatives from various state DOTs as well as experts from academia and the federal government shared their insights and experience with the UAS technology.

To learn more about the STIC's Stormwater Management Training and Field Guidebook, and the Brushing Loader Attachment and Vegetation Management Equipment Catalog innovations, keep your eye out for next month's STIC Innovation in Motion e-newsletter.



## Concrete Finishers Certification Moves to Implementation

An important innovation championed by the Pennsylvania State Transportation Innovation Council (STIC) is reaching a critical milestone.

PennDOT issued its clearance transmittal and the Federal Highway Administration (FHWA) has granted its approval for implementation of the concrete finishers training and certification requirement on all PennDOT projects. The addition to Section 704 of Publication 408, requires 60 percent of concrete finishers to be certified effective as of April 2022.

[Read more](#)

Attention Flatwork Finishers: Register now for the **Certified Concrete Finisher Courses** to meet the PennDOT requirements for Concrete Finishers that will go into effect for all PennDOT projects let after April 2022. For information on regional classes, or to sponsor a class through the Pennsylvania Aggregates and Concrete Association (PACA), visit [www.pacaweb.org](http://www.pacaweb.org), or contact Jim Casilio, P.E., Director of Technical Services, at [jimc@pacaweb.org](mailto:jimc@pacaweb.org).



## **PennDOT Hosts Three-Day Workshop on Unmanned Aerial Systems** *Experts From Across the Nation Share Their UAS Challenges and Successes*

The emerging technology of UAS is opening the door to more efficient and safer ways government transportation and other agencies can address construction, design, maintenance and emergency response issues, panels of experts outlined at a three-day virtual workshop hosted by PennDOT and the FHWA.

[Read more](#)

## **PennDOT Data Shows Pennsylvania Roundabouts Reducing Fatalities, Injuries, and Crashes**

Another innovation that continues to prove its benefits to the citizens of Pennsylvania is roundabouts. Roundabouts are safer and typically more efficient than traditional signalized intersections, as they improve traffic flow and facilitate pedestrian mobility. Roundabouts were included as part of the [FHWA's Every Day Counts Round 2 \(EDC-2\)](#) Intersection and Interchange Geometrics innovation that Pennsylvania championed, and PennDOT recently released updated crash and injury data to show how roundabouts are making Pennsylvania roadways safer.

[Read more](#)



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