



This edition of the STIC *Innovation in Motion* e-Newsletter features updates on the success of roundabouts in Pennsylvania, an innovation to help increase the lifespan of Pennsylvania's 25,000 state-owned bridges, and an innovative training course to help local governments improve their winter maintenance operations.

## **PennDOT Celebrates the Success of Roundabouts**

Are roundabouts making Pennsylvania roadways safer? PennDOT reviewed nearly 20 years of eligible roundabout data from 36 intersections that were previously stop or signal controlled. This evaluation showed numerous positive impacts from the use of this innovative design technique, including a reduction of suspected serious injuries by 76%. [Read the full story here.](#)



## **Innovation to Help Increase Bridge Longevity Moves Forward**

Pennsylvania's infrastructure is aging and with over 25,000 state-owned bridges,

increasing the lifespan of these vital connections is a top priority for PennDOT. PennDOT is using innovations like Bridge Deck Link Slabs and Ultra-High Performance Concrete to extend the life of these critical links. [Read the full story here.](#)



## Growing Demand Leads to Development of Updated and New Winter Maintenance Courses for Local Governments

PennDOT's Local Technical Assistance Program (LTAP) has facilitated a Salt and Snow Management Course for local municipalities to help increase the effectiveness of winter maintenance operations. An updated and abbreviated course, Winter Maintenance 101, is now available. Many course offerings are available before the end of 2022. [Read the full story and learn how to sign up here.](#)



## 2022 STIC Incentive Funding Recipient Announced

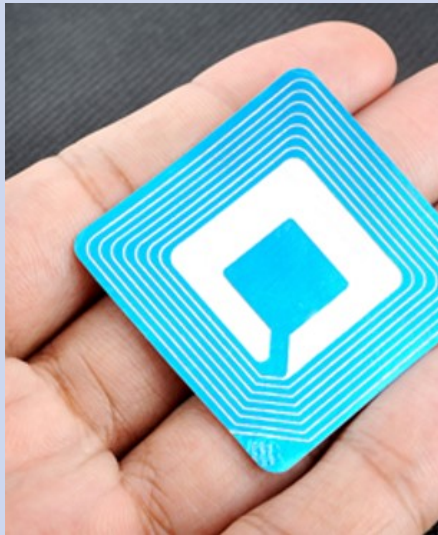
FHWA's [STIC Incentive Program](#) offers technical assistance and funds – up to \$100,000 per STIC per year – to support the costs of standardizing innovative practices.

This year, the Radio-Frequency Identification (RFID) Tags Test Usage project was

selected to receive the \$100,000 STIC Incentive Program funding. The goal of this project is to investigate the potential use of RFID Tags for various PennDOT assets. By scanning an RFID Tag, limitless data about the product to which it is attached becomes accessible.

For example, a precast concrete tag could display the manufacturer, date cast, test results, material certification, etc. Onsite material samples could be tagged and sent for testing where the tag is scanned to receive details about the sample. Once completed, data could be deleted, and the tag sent back out for use. Tags could also be used by maintenance forces when permanent items are tagged like signs, structures, guiderail, etc.

There is currently a National Cooperative Highway Research Program (NCHRP) research team working on uses in construction ([NCHRP 03-140](#)), and various other states have been testing and using RFID Tags for several years.



For more information, please contact the STIC Team at [penndotstic@pa.gov](mailto:penndotstic@pa.gov)

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