



State Transportation Innovation Council (STIC)

Innovation in Motion

A newsletter with highlights from the STIC

INNOVATE

DEPLOY

EDUCATE

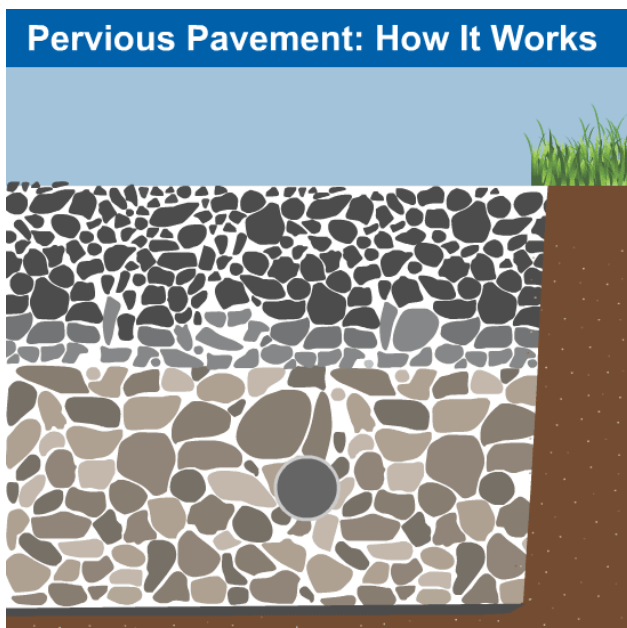


STIC Meeting Features New Initiative and Progress Updates

The STIC newsletter features highlights from the quarterly meetings. At the June meeting, Technical Advisory Group (TAG) members presented progress reports and a new initiative to improve environmental stewardship. Read below for the full details.

Ready for Deployment: Pervious Pavement for Asphalt and Concrete

The Materials TAG provided an update on pervious pavement.



Click for more detail

What is it? This pavement technique (asphalt or concrete) allows water to pass through the surface and temporarily settle in a stone reservoir before infiltrating into the ground.

Where can I use it? It is approved for use in parking lots, sidewalks and trails, but is not appropriate for roads with high-traffic volumes, heavy hauling, and high rates of speed. For more information on the [application specification](#), please review Publications 23, 242, 408, and 584.

In Progress: Sustainable Stormwater Pilot

PennDOT provided an update on the STIC initiative to plan for stormwater



PennDOT installed a bioswale in Carlisle, PA

management at the watershed level, and incorporate more sustainable features such as grass or bioswales instead of traditional facilities (concrete curbing, inlets and drainage pipes).

What is it? In 2016, a pilot project was constructed to address stormwater runoff along West Trindle Road in Carlisle, Cumberland County. The Department worked with municipalities and landowners to install new stormwater features that included work on private property.

Where can I use it? PennDOT is currently evaluating the pilot for its effectiveness as a model for future projects. If you have a project where this stormwater feature may be suitable, please contact [Daryl St. Clair](#) for more information.

What are the next steps?

PennDOT is working to improve stormwater

management and explore opportunities including:

- Establish a statewide stormwater program;
- Develop an Asset Management Framework for PennDOT stormwater control measures;
- Partner with local governments to help all parties more efficiently achieve their goals; and
- Deploy IT solutions, such as Mobile Apps, to increase inspection efficiency.

June STIC Meeting Highlights



The new STIC initiative [Standardizing Stream Restoration Structures](#) was approved.



A new Workforce TAG was announced to explore human resources issues including diversity and recruitment. [To join the TAG, contact us.](#)



The Facilities TAG reported on efforts to pilot [energy efficiency and analytics](#).



The Materials TAG reported on [Pervious Pavement](#), [Best Practices for Reclaimed Asphalt Pavement \(RAP\) Mixes](#), and [Anti-Washout Additive Mixture](#).



The Construction TAG reported on [Spray Type Waterproofing for Structures](#) and [Structure Backfill using GRS Technology](#).



More than 220 PennDOT employees participated in the Innovation Day Workshop on June 7, 2016.

Innovation Day Outreach Highlights

On June 7, the STIC hosted the [Eastern Regional Innovation Day Workshop](#) in partnership with PennDOT Districts 5, 6 and 8. The workshop featured a keynote presentation by PA Turnpike CEO Mark Compton, six concurrent sessions, and District presentations on innovative projects.

What are the next events?

The STIC is planning several outreach events for the summer and fall including:

- Consultant Innovation Day in partnership with ACEC PA and ASHE on August 30, 2016;
- PennDOT District 2 Innovation Day planned for October;
- Local Government Innovation Day planned for October; and
- FHWA and PennDOT Central Office Innovation Day planned for the fall.



Fact or Fiction

- Q:** Is maintenance required for pervious pavement?
- A:** Yes. Maintenance is critical to maintain pavement permeability and long term preservation. Maintenance includes: monitoring the surface for sediment buildup and removing that buildup as needed.



Ask the STIC

- Q:** What is 'Ask the STIC'?
- A:** Send in your questions about the status of an innovation, where to find specifications, and training updates. Submit your questions here: <https://www.surveymonkey.com/r/ASKTHESTIC>



Next STIC Business Meeting:

September 21, 2016

Watch for the next edition of *Innovation in Motion* in October 2016.