



In this 10th Anniversary special edition of the STIC *Innovation in Motion* e-Newsletter, listen to our most recent STIC 10th Anniversary podcast episodes, highlighting two of the most successful safety innovations being used in Pennsylvania.

### **Silver Bullet Safety Countermeasure Increases Skid Resistance**

With the increased braking that often occurs around curves, steep downgrades and intersections, roadway friction is reduced and stopping distance increased dramatically. To combat this safety issue, PennDOT continues its use of a highly effective innovation at many of these locations throughout Pennsylvania. In this episode of the STIC 10th Anniversary podcast series, hear from PennDOT thought leaders, Jason Hershock, Manager of Safety Engineering and Risk Management, and Neil Hood, Safety Engineer in PennDOT District 9, about how this innovation continues to aid motorists at these high-risk locations. [Listen to the episode here!](#)

**MAINTAIN CONTROL**

**Before**

**After**

Stopping distance reduced after treatment

**High Friction Surface Treatment (HFST)** increases roadway friction allowing vehicles to **stop easier** and **maintain control**. This safety innovation dramatically increases roadway skid resistance from **24** to **71** which **prevents crashes**.

High Friction Surface Treatment

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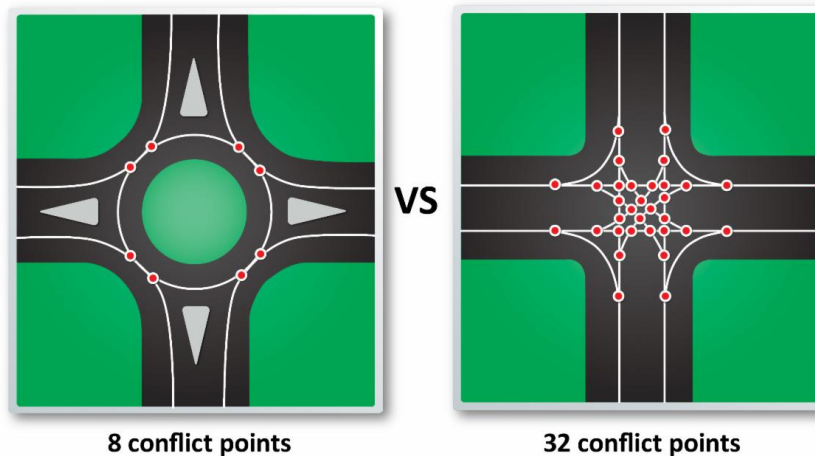
pennsylvania  
DEPARTMENT OF TRANSPORTATION

U.S. Department of Transportation  
Federal Highway Administration

## Geometric Wizardry Reduces Crashes and Saves Lives

In the world of transportation engineering, there are many tactics and techniques used to improve roadway safety and reduce crashes and fatalities. In this episode of the STIC's 10th Anniversary podcast series, hear from subject matter experts, Rachel Duda, Assistant District Executive for Design in PennDOT District 12, and Joe Szczer, former District 12 Executive and now Director of the University of Pittsburgh's Center for Sustainable Transportation Infrastructure, and learn how PennDOT is using geometric intersection and interchange design innovations that are reducing crashes and saving lives across Pennsylvania. [Listen to the episode here!](#)

### Roundabouts reduce vehicle conflicts



### In Case You Missed It!

If you missed tuning in to previous STIC 10th Anniversary podcasts, listen to them now on [PennDOT's YouTube channel!](#)



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

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