

# EVENT SCHEDULE

Learn about additional transportation innovations by visiting our [Virtual Exhibit Hall](#).

## TUESDAY, NOVEMBER 2

### Morning Concurrent Sessions

#### DIGITAL DELIVERY IN TRANSPORTATION

- **Digital Delivery in Transportation Overview and Update**  
*Allen Melley, P.E., PennDOT Bureau of Project Delivery*
- **Unmanned Aerial Systems: Construction Progression Analysis**  
*John Myler, PennDOT District 11*
- **LiDAR Solutions for Mapping, Monitoring and Asset Management**  
*Stephen Moore, PLS, PennDOT Bureau of Project Delivery*
- **Augmented Reality for Transportation Overview and Update**  
*Steven Sneddon, P.E., PennDOT District 11*
- **I-95 Project: Using Virtual Inspection and Phased Array Ultrasonic Testing**  
*Nick Shrawder, PennDOT Bureau of Project Delivery*

#### EXTENDING PAVEMENT LIFE

- **Pavement Asset Management and Preservation: "When and Where"**  
*Mike Long, P.E., PennDOT Bureau of Maintenance and Operations*
- **Targeted Overlay Pavement Solutions**  
*Neal Fannin, P.E. and Lydia Peddicord, P.E., PennDOT Bureau of Project Delivery*
- **Certified Concrete Finishers Course: Specification Requirements and Advantages to Municipalities**  
*Jim Casilio, P.E., Pennsylvania Aggregates and Concrete Association*
- **Paving Fabrics: Uses and Best Practices**  
*Michael Fleming, Dover Township Public Works*



## WEDNESDAY, NOVEMBER 3

### Morning Concurrent Sessions

#### MULTIMODAL TRANSPORTATION PLANNING

- **New Aviation e-Grant Real Estate Tax Reimbursement Process**  
*Justin Palmer, PennDOT Bureau of Aviation*
- **Find My Ride Eligibility**  
*John Taylor, PennDOT Bureau of Public Transportation*
- **Newly Developed Multimodal Project Management Tool**  
*Andy Batson, AICP, PennDOT Bureau of Public Transportation*
- **Trail Crossing Inventory**  
*Roy Gothie, PennDOT Multimodal Deputate*
- **Active Transportation in a New Light: Connecting Everyday Destinations for Better Health for All**  
*Samantha Pearson, Pennsylvania Downtown Center*
- **FutureLV: The Regional Plan and Walk/RollLV: Active Transportation Plan**  
*Becky Bradley, Lehigh Valley Planning Commission*

#### MAKING BRIDGES AND ROADWAYS LAST

- **Value of Bridge Preservation**  
*Justin Bruner P.E., PennDOT Bureau of Maintenance and Operations*
- **Bridge Overlay Materials Overview and Best Practices**  
*Tim Carre P.E., PennDOT Bureau of Project Delivery, Bryan Miller P.E., PennDOT District 3 and Shane Szalankiewicz, P.E., PennDOT District 11*
- **Geosynthetic Stabilized Bridge Approach**  
*Dennis Neff, P.E., PennDOT Bureau of Project Delivery*
- **Deep Soil Mixing for Landslide Remediation**  
*Jonathan Moses, P.E., PennDOT District 11*



## THURSDAY, NOVEMBER 4

### Morning Concurrent Sessions

#### INNOVATING MAINTENANCE

- **Street to Feet Litter Campaign/Pocono 3C Campaign**  
*Jay Borger and Nick Martino, PennDOT District 5, Monroe County*
- **Safety Committee Initiative**  
*Jared McMicken, PennDOT District 3, Bradford County*
- **Strip Seal Vacuum/Flusher Cleaner**  
*Michael Peachey, PennDOT District 9, Cambria County*
- **Crack Sealing Air Hose Reel Relocation**  
*Tony Tanzi, P.E., PennDOT District 9, Huntingdon County*
- **Winter Maintenance Recruitment Fairs**  
*Melissa Maczko and Robert Dean, P.E., PennDOT District 12*
- **Virtual Incident Command Center (ICC) Activations: Efficiencies and Best Practices**  
*Jonathan Eboli, P.E., PennDOT District 4*
- **PennDOT's Local Technical Assistance Program: Build a Better Mousetrap Innovation Highlights**  
*Pat Wright, Pennoni*

#### INNOVATIVE BRIDGE DESIGN AND CONSTRUCTION TECHNIQUES

- **PA Flex Beams**  
*Mark Nicholson, P.E., PennDOT District 1*
- **Collaborative Hydraulics: Advancing to the Next Generation of Engineering**  
*Nick Vivian P.E., PennDOT Bureau of Project Delivery*
- **Express Foundations: Uses and Best Practices**  
*Matt McSweeney, P.E., PennDOT Bureau of Project Delivery*
- **I-95 Tubular Girder Flange**  
*Geoffrey N. Stryker, P.E., STV Incorporated*
- **Bringing Robots to Construction Jobsites**  
*Carson T. Carney, P.E., Advanced Construction Robotics, Inc.*



9:00 AM  
to  
11:00 AM

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## TUESDAY, NOVEMBER 2

### Afternoon Concurrent Sessions

#### TRAFFIC AND SAFETY: KEEP TRAFFIC FLOWING

- **Trends in Traffic Signal Maintenance**  
*Anthony Chiodo, PennDOT Bureau of Maintenance and Operations*
- **Making Smarter Work Zones**  
*Brian Crossley, PennDOT Bureau of Maintenance and Operations*
- **Improving Performance: Traffic Operations**  
*Scott Benedict, PennDOT Bureau of Maintenance and Operations*
- **Innovative Intersections and Interchanges Overview**  
*Jeff Bucher, P.E., PennDOT Bureau of Project Delivery*
- **Ephrata Diverging Diamond Interchange Project Spotlight**  
*Brett Abrahamsen, P.E. and Gregory Frisby, P.E., PTOE, Whitman, Requardt and Associates, LLP*

#### PAVEMENT MATERIALS: RECYCLING AND REUSING



- **Asphalt Material Contract Bidding with Milling Haul Back**  
*Matt Burkett, PennDOT District 10 and Lori Musto, PennDOT District 11*
- **Foamed Glass Aggregate: AeroAggregates**  
*Beverly Miller, P.E., PennDOT Bureau of Project Delivery*
- **Use of Recycled Materials in Transportation Applications: PennDOT's Strategic Recycling Program**  
*Crystal May and Jeff Obrecht, RK&K*

## WEDNESDAY, NOVEMBER 3

### Afternoon Concurrent Sessions

#### INNOVATIVE EQUIPMENT, SMART UPGRADES

- **Refurbishing Equipment Partnership with State Correctional Institution-Forest**  
*Mike Martin, PennDOT Bureau of Maintenance and Operations, Khelleh Konteh and Richard Gaul, Pennsylvania Department of Corrections*
- **LED Lighting - It's Not All The Same**  
*Scott Evans, PennDOT Bureau of Maintenance and Operations and Marty McKinney, Cranberry Township Public Works*
- **Stormwater Management Training and Field Guidebook**  
*Richard Heineman, PennDOT Bureau of Maintenance and Operations*
- **Automated Vehicle Location (AVL) Systems: What Is It? Where Are We Going?**  
*Dan Whetzel, PennDOT Bureau of Maintenance and Operations and Dean Poleti, P.E., PennDOT District 11*

#### TECHNOLOGY IN TRANSPORTATION: DESIGN AND CONSTRUCTION TOOLS

- **Utility Relocation Management System**  
*Mike Tavani, PennDOT Bureau of Project Delivery*
- **Assessment of Structural Health Monitoring**  
*Piervincenzo Rizzo, Ph.D., University of Pittsburgh*
- **Display of PennDOT Assets on PA USGS Stream Gage Stations**  
*Nick Vivian, P.E., PennDOT Bureau of Project Delivery*
- **Environmental Mitigation Tracking in ECMS**  
*Drew Ames, PennDOT Bureau of Project Delivery*



## THURSDAY, NOVEMBER 4

### Afternoon Concurrent Sessions

#### TRAFFIC AND SAFETY: TOOLS OF THE TRAFFIC TRADE

- **Transportation Systems Management and Operations (TSMO) OneMap, Network Screening Maps, and Pennsylvania Crash Information Tool**  
*Frank Cavataio and Jeffrey Roecker, PennDOT Bureau of Maintenance and Operations*
- **Doubling Down on Data - A Metropolitan Planning Organization's Approach to Congestion and Safety Planning**  
*Kyle Snyder, Tri-County Regional Planning Commission*
- **Mview and Traffic Video Sharing**  
*Jerome Frederick, PennDOT Bureau of Maintenance and Operations*
- **Automated Permit Routing and Analysis System (APRAS) Modernization: Next Generation of Permit Routing**  
*Ben Huffnagle, Office of Administration Bureau of Solutions Management*

#### RESEARCH AND INNOVATION

- **PennDOT Research Projects Overview**  
*Brian Wall, PennDOT Bureau of Planning and Research*
- **Bridge Evaluation and Accelerated Structural Testing (The BEAST) Lab**  
*Dr. Sougata Roy and Dr. John Braley, Rutgers University*
- **Repair of Corroded Steel Bridge Beam Ends**  
*Dr. Kent Harries, FASCE, FACI, FIIFC, PEng, University of Pittsburgh*
- **Lehigh Bridge Resiliency Backfill Study**  
*Tom Macioce, P.E. and Nick Vivian, P.E., PennDOT Bureau of Project Delivery*
- **Clear Roads Winter Maintenance Study**  
*Jon Fleming, PennDOT Bureau of Maintenance and Operations*

1:00 PM  
to  
3:00 PM

