

## 2018-19 TLN Proposed Topics

**NOTE:** This is a working document and is subject to change.

| <b>Fall</b><br>(Sept/Oct/Nov)   | <b>Winter</b><br>(Dec/Jan/Feb)  | <b>Spring</b><br>(Mar/Apr/May)  |
|---|---|---|
| PE Exam Prep  | PE Exam Prep  | Asphalt Burns & Roadway Safety Elements   |
| Guardrail Replacement & Repair  | Roundabouts – Single-lane High Speed Rural Solutions for High Crash Locations | Temporary Rumble Strips for Work Zones (Including Pedestrian Considerations)  |
| Job Safety Analysis   | Project Scheduling Methods  | Fraud Awareness   |
| Snow Fences   | Roundabouts – Operational Analysis and Lane Configuration                     | Asphalt Recycling: Key Research, Best Practices and Successful Implementation   |
| Non-Destructive Testing (NDT) of Concrete   | Asphalt Density   | Comprehensive Field Evaluation of Asphalt Patching Methods & Development of Simple Decision Trees & a Best Practices Manual |
| Mobile and Terrestrial LiDAR  | Reinforced Concrete & Corrosion & Mitigation                                  | Perpetual Pavements   |
| Evaluation of the Benefits from Structural Fibers in Thin Concrete Pavements                | Design & Construction of Full Depth Portland Cement Reclaimed Bases           | Application of Rolling Deflection   |
| Personnel and Equipment Detection on Construction Projects                                  | Rumble Strips, Stripes, Updates   | ATSSA Traffic Control Technician (1-day)  |
| Strategies for Environmental Compliance Webinar Series (Erosion, MS4, Wildlife, SWPPP, etc) | Inspection & Maintenance of Ancillary Highway Structures                      | MPC - Local Road Surface Selection Tool   |
| MPC - Fiber-Reinforced Concrete for Structure Components                                    | ATSSA Temporary Traffic Control Considerations for Urban Work Zones (2-day)   | Cargo Load Securement   |
| MPC - Optimization of Pavement Marking Performance  | MPC - Cracking and Debonding of Thin Fiber Reinforced Concrete Overlay        | Welding Types and Techniques  |
| MPC - Implementation Guidance for Accelerated Bridge Construction in SD                     | MPC - Self-Consolidating Concrete for Prestressed Bridge Girders              | Concrete Manholes and Inlets  |
| Autonomous TMA Usage  | Mobile Imaging  | Tier IV Regeneration & Diesel Exhaust Fluid for Mechanics   |
| Force America Hydraulics  | Pipe End Treatments   | Brake and Driveline Maintenance   |
| Autonomous Vehicles Strategies  | Digital Signatures and e-Construction   | Present to Persuade   |
| Building Trust, Credibility & Respect   | Soil Nailing  | Advanced Technical Writing  |
| Going Lean: Turning Organizational Deficiency to Efficiency                                 | Heavy Truck Preventative Maintenance  | Planning Presentations  |
| Vampires at Work: Handling Difficult People and Conflict                                    | The Art and Science of Communication  | Interpersonal Competence - Enhance Teamwork   |
| Experience Innovation   | Communicating with Diplomacy & Tact   | Working with the Media and How to Develop Good Public Relations   |
|   | Positive Motivation Equals Positive Performance                               |   |