

Appendix B – Workforce Development Accomplishments This Period

Grant No. 69A3551747108

Mountain-Plains Consortium, North Dakota State University

Reporting Period End Date: September 30, 2019

SAPR#5

Workforce Development Accomplishments:

Altogether, 105 training sessions were offered this reporting period for a total of 317 offered under this grant period. The following workforce development activities illustrates the diversity of our workforce offerings for transportation professionals.

- ADA Ramp Design
- Aggregate materials certification
- Asphalt Materials certification
- Asphalt Recycling: A National Perspective with MnROAD Findings
- Asphalt Density
- ATSSA Flagger Certification
- ATSSA Flagger Instructor Training
- ATSSA Traffic Control Supervisor
- ATSSA Traffic Control Technician
- ATSSA: Safe Installation and Removal of Temporary Traffic Control Devices
- ATSSA: Work Zone Safety Performance Measures
- Basic Surveying Methods for Local Highway Agencies
- Bikes and Pedestrians
- Bridge Construction Inspection: Heavy Equipment
- Bridge Site Safety Worker Orientation
- Concrete materials certification
- Culvert Hydraulics
- Design & Construction of Full-Depth Portland Cement Reclaimed Bases
- Fall Protection - Trenching and excavating
- Flagger Certification
- Glue for Gravel Roads
- Handling of Hazardous Materials
- Heavy Equipment Operation (Hands On)
- Heavy Truck Preventative Maintenance
- Inspection & Maintenance of Ancillary Highway Structures
- Introduction to NDDOT Construction Automated Records System (CARS)
- Leadership and Effective Communication
- Leadership and Team Work in Transportation
- Leadership and Vision in Transportation
- Load Securement (with CDL Briefing)
- Maintenance Welding Basics, Safety, & Repair Techniques
- Materials Testing: Introduction to the Soil-Moisture Density Relationship
- Motor Grader Operator
- OSHA - Workplace, Equipment and Jobsite Safety
- Paperwork & Reporting, SWPPP Info/updates
- Pavement Preservation: Crack Sealing, Spray Patching and Roadway Condition Review
- PE Exam Preparation for Civil Engineers
- Perpetual Pavement Concepts
- Registered Storm Water Inspector
- Registered SWPPP Writer
- Retention & Detention Ponds
- Road Safety 365: A Safety Course for Local Governments – Module 1: The Need for Road Safety

- Roundabout Design Basics
- Safety - The Route to Get Home Safety OSHA 10-Hour
- Seal Coat Module 1: Pavement Preservation, Handbook, Design, & Pay Items
- Soil Nailing for Slope Stability
- TC3 3D Engineered Models for Construction Series: 3D Engineered Models in Highway Design
- TC3 AASHTO Designation: T209
- TC3 AASHTO T 308: Determining the Asphalt Binder Content of Hot Mix Asphalt (HMA) by the Ignition Method
- TC3 Advanced Self-Consolidating Concrete
- TC3 Aggregate Sampling Basics
- TC3 Basic Construction Surveying
- TC3 Basic Materials for Highway Structure Construction
- TC3 Best Practices for High Friction Surfaces
- TC3 Bloodborne Pathogens
- TC3 Bolted Connections
- TC3 Bridge Cleaning
- TC3 Bridge Construction Inspection Safety
- TC3 CDL Series
- TC3 Change Orders, Claims, and Dispute Resolutions
- TC3 Chip Seal Best Practices
- TC3 Clean Water Act Compliance During Construction
- TC3 Compaction Technician Basics
- TC3 Concrete Series
- TC3 Construction Inspection of Structures Series
- TC3 Construction Inspector Orientation
- TC3 Construction of Mechanically Stabilized Earth (MSE) Walls
- TC3 Construction of PCC Pavement Series
- TC3 Corrosion of Structures
- TC3 Drilled Shaft Inspector Tutorial
- TC3 Earthwork Series
- TC3 Environmental Predecessor Series: Air Quality
- TC3 Erosion & Sediment Control
- TC3 Flexible Pavement Preservation Treatment Series
- TC3 GPS Technology
- TC3 Guardrail Series
- TC3 High Visibility Garments
- TC3 HMA Paving Field Inspection
- TC3 Improving the Daily Diary
- TC3 Job Hazard Analysis
- TC3 Maintenance Training Series
- TC3 PCC Pavement Preservation Series
- TC3 Personal Protective Equipment (PPE)
- TC3 Pipe Installation, Inspection, and Quality
- TC3 Plan Reading
- TC3 Portland Cement Concrete Paving Inspection
- TC3 Recognizing Roadside Weeds
- TC3 Revegetation During Construction
- TC3 Safe Use of Basic Carpentry Tools
- TC3 Safe Use of Hand and Power Operated Tools
- TC3 Superpave for Construction
- TC3 Superpave Mix Design Process and Analysis
- TC3 Understanding Materials Testing for Inspectors
- TC3 Warm Mix Asphalt
- Technical & Business Writing in a DOT: Documents & Style (Part 5 of 5)

- Technical & Business Writing in a DOT: Documents & Style (Part 4 of 5)
- Technical & Business Writing in a DOT: Problem Words & Phrases (Part 2 of 5)
- Technical & Business Writing in a DOT: Sentences, Paragraphs & Punctuation (Part 3 of 5)
- Technical & Business Writing in a DOT: Word Types & Basic Grammar Rules (Part 1 of 5)
- Tractor Mower Safety Training
- Welding Basics, Safety and Repair Techniques
- Work Zone
- Work Zone Safety for Local Agencies
- Working with the Media & How to Develop Good Public Relation Practices