

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): NDDOT

INSTRUCTIONS:

Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.

Transportation Pooled Fund Program Project # <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i> TPF-5(333)		Transportation Pooled Fund Program - Report Period: <input checked="" type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
Project Title: Transportation Learning Network			
Name of Project Manager(s): Clayton Schumaker	Phone Number: 701-328-6906	E-Mail cschumaker@nd.gov	
Lead Agency Project ID: TPF-5(333)	Other Project ID (i.e., contract #): 17-314-0800	Project Start Date: 10/1/2015	
Original Project End Date:	Current Project End Date: 9/30/2016	Number of Extensions: 00	

Project schedule status:

On schedule
 On revised schedule
 Ahead of schedule
 Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
		NA

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
	\$143,439.72	NA

Project Description:

The Transportation Learning Network (TLN) was developed to serve the transportation interests of the region and complements the efforts of its various members. It provides access to information and expertise not readily available to transportation professionals in the region. TLN identifies schedules, distributes and warehouses technology transfer for its member state DOTs.

Vision: To excel on a national basis as a premier transportation technology transfer organization that serves as a model for other states.

Mission: TLN provides quality and cost-effective customer-driven technology transfer utilizing alternative platforms that meet the needs of the state, county, city, tribal and private transportation professionals.

Staff develop a list of technology transfer presentations based on priorities determined by the 4-state members of the Transportation Learning Network; they write descriptions, identify presenters, and schedule presentations. There are monthly meetings of the programming committee consisting of members from the 4-state DOTs. The committee approves identified topics and TLN staff move forward with announcing the events and putting into place a registration process.

Following is a list of presentations delivered via video conferencing or webinar during this reporting period and the number of participants.

PRESENTATIONS OCTOBER THROUGH DECEMBER 2015

Presentation Title	Date Delivered	Delivery Method	# Attended
Stormwater Detention & Design	1/7/2016	Video Conf	72
Evaluation of Grouted Spliced Sleeve Connections Reinforced Precast Concrete Bridge Piers -MPC Research Project	1/25/2016	Webinar	25
John Maxwell's Becoming A Person of Influence: How to Positively Impact the Lives of Others	1/26/2016	Video Conf	159
PE Exam for Civil Engineers	Feb. 2016	Webinar	31
The Balancing Act: Stress & Productivity	2/2/2016	Video Conf	94
Basic Construction Survey	2/9/2016	Video Conf	99
Reducing Roadway Departure Crashes	2/11/2016	Video Conf	83
Pedestrian & Bicycle Safety	2/10/2016	Video Conf	86
Highway Capacity Manual Overview & Related Software Changes (6 th Edition 2015)	2/16/2016	Webinar	26
Seal Coat Workshop	2/17/2016	Video Conf	153
Asphalt Maintenance: Crack Sealing/ Pouring & Spot Surface Repairs	2/18/2016	Video Conf	201

Keyhole Technology for Urban Utility Excavations to Reduce the Impact of Pavement Cuts	2/22/2016	Webinar	32
Highway Pipe Installation	2/23/2016	Video Conf	91
ATSSA Truck Mounted Attenuators	3/8/2016	Video Conf	73
ATSSA Traffic Control Technician	3/9/2016	Video Conf	185
Practical Bridge Scour Analysis, Methods & Countermeasures	3/15/2016	Video Conf	49
Construction Project Management: Contract Administration	3/23/2016	Video Conf	70
Negotiation Strategies & Techniques to Improve Construction Project Mgmt	3/29/2016	Video Conf	103
Guardrail Maintenance	3/30/2016	Video Conf	154
Guardrail Installation & Inspection	3/31/2016	Video Conf	98

TOTAL = 1884

ONLINE MODULES OCTOBER THROUGH MARCH 2016

Title	# Completed
TC3 Superpave for Construction: Mix Design	2
TC3 Roller Compacted Concrete Pavements: Production	1
TC3 Roller Compacted Concrete Pavements: Pavement Construction	1
TC3 Roller Compacted Concrete Pavements: Key Elements and Common Uses	1
TC3 QC/QA: Quality and Testing	1
TC3 Plan Reading: Traffic Control Plans	2
TC3 Plan Reading: Right-of-Way Plans	1
TC3 Plan Reading: Highway Plan Reading Basics	2
TC3 Plan Reading: Grading Plans	2
TC3 Plan Reading: Erosion & Sediment Control Plans	2
TC3 Plan Reading: Culvert Plans	2
TC3 Plan Reading: County Plans	2
TC3 Plan Reading: Bridge Plans	2
TC3 Mix Design Principles	1
TC3 Math Module	3
TC3 Improving the Daily Diary	4
TC3 Fresh Concrete Properties	1
TC3 Ethics in the Transportation Industry	2
TC3 Concrete Pavement Preservation Series: Partial-Depth Repairs	1
TC3 Concrete Pavement Preservation Series: Joint Resealing and Crack Sealing	1
TC3 Concrete Pavement Preservation Series: Full Depth Repairs	2
TC3 Concrete Pavement Preservation Series: Diamond Grinding and Grooving	1

TC3 Concrete Pavement Preservation Series: Concrete Pavement Evaluation	1
TC3 Chip Seal Best Practices: Performance Measures	2
TC3 Chip Seal Best Practices: Material Selection	2
TC3 Chip Seal Best Practices: Introduction	6
TC3 Chip Seal Best Practices: Equipment Practices	2
TC3 Chip Seal Best Practices: Design	3
TC3 Chip Seal Best Practices: Construction Practices	3
TC3 Bolted Connections	1
TC3 Basics of Cement Hydration	3
TC3 Basic Materials for Highway Construction: Portland Cement Concrete Basics	3
TC3 Basic Materials for Highway Construction: Introduction	4
TC3 Basic Materials for Highway Construction: Hot Mix Asphalt Basics	2
TC3 Basic Materials for Highway Construction: Basics of Aggregate Inspection and Sampling	3
TC3 Advanced Self-Consolidating Concrete	1
Seal Coat Module 3: Construction Details, Pavement Markings, Fog Sealing, & What's New	3
Seal Coat Module 2: Aggregate Requirements & Binders	3
Seal Coat Module 1: Pavement Preservation, Handbook, Design, & Pay Items	3
Road Safety 365: A Safety Course for Local Governments – Module 3: Planning for Safety	1
Road Safety 365: A Safety Course for Local Governments – Module 2: Making Roads Safer	1
Road Safety 365: A Safety Course for Local Governments – Module 1: The Need for Road Safety	1
Personal Protective Equipment	2
Materials Testing: Wash Test	6
Materials Testing: Speedy Moisture Test	5
Materials Testing: Sieve Analysis of Fine and Coarse Aggregates	6
Materials Testing: Sand Cone Test	7
Materials Testing: Rubber-Balloon Test	7
Materials Testing: Reducing Aggregate Samples	7
Materials Testing: Proctor Test Short Version	8
Materials Testing: Proctor Test	7
Materials Testing: Microwave and Oven Methods of Drying Soils	7
Materials Testing: Lightweight Pieces in Aggregate	5
Materials Testing: Introduction to the Soil-Moisture Density Relationship	9
Materials Testing: Aggregate Sampling	7
Introduction to NDDOT Construction Automated Records System (CARS)	5
High Visibility Garments	4
Handling and Storage of Reinforcing Steel	4

Bridge Site Safety Worker Orientation	4
Bridge Construction Inspection: Inspector Safety	4
Bridge Construction Inspection: Heavy Equipment	6
ATSSA: Work Zone Safety Performance Measures	6
ATSSA: Safe Installation and Removal of Temporary Traffic Control Devices	6

TOTAL = 207

Significant Results:

Identifying and delivering technology transfer needs of the DOTs in Montana, North Dakota, South Dakota and Wyoming. These presentations were broadcast through video conferencing or webinars. This program can reach many individuals to bring significant opportunities to increase knowledge without the need to travel great distances.

During this reporting period, a subcommittee was formed to review and design a new evaluation form for TLN presentations. The subcommittee consisted of staff from the state DOT's and TLN staff. An instruction was developed and will be tested during the next reporting period.

Two TLN staff travelled to the South Dakota DOT and the Wyoming DOT to enhance dialogue and collaboration in regard to coordination of TLN activities leading to a greater understanding of the respective needs and internal processes. A number of suggested program enhancements came from these meetings and will play a part in developing delivery of programs this fall/winter.

There were discussions between TLN staff and DOT staff in regard to workforce development and succession planning. There is a roundtable scheduled for April 2016 for the state DOT's to share best practices and discuss issues facing each of their organizations.

Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).

None encountered.