**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.*

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| --- | --- | --- | --- |
| **Transportation Pooled Fund Program Project #**  *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)*  TPF 5(333) | | **Transportation Pooled Fund Program - Report Period:**  □Quarter 1 (January 1 – March 31)  □Quarter 2 (April 1 – June 30)  □Quarter 3 (July 1 – September 30)  ✓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 (New Federal ID) |
| **Original Project End Date:** | **Current Project End Date:**  9/30/2020 | | **Number of Extensions:**  0 |

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** |
|  | $97,318.87 | NA |

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| **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; Topics are researched, descriptions written, presenters identified, negotiate presenter contracts 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.

The majority of presentations occur between October and April due to the construction season in the 4-states served by this program. The summer months are when the program staff and committee members identify and prioritize technology transfer topics.

Following is a list of presentations delivered via video conferencing or webinar during this reporting period and the number of participants. In addition to live presentations, there are over 100 online self-paced modules available. Full descriptions are available on the TLN website at [www.translearning.org](http://www.translearning.org).

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PRESENTATIONS OCTOBER THROUGH DECEMBER 2017**   |  |  |  |  | | --- | --- | --- | --- | | **Presentation Title** | **Delivery Method** | **Date** | **# Attended** | | | | | |  |
|  |  |  |  |
| Autonomous, Connected Vehicles & Smart Highways – Technology and Policy Implications | Webinar | 10/16/2017 | 91 |
| The Power of Positive Language | Webinar | 10/20/2017 | 70 |
| Maxwell: 17 Indisputable Laws of Teamwork | Video Conf | 10/25/2017 | 54 |
| Snow Fences | Video Conf | 10/26/2017 | 151 |
| Construction Site SWPPP Compliance, Tools, Tricks, & Tips | Video Conf | 11/2/2017 | 53 |
| Chain Saw Operation & Safety | Video Conf | 11/9/2017 | 97 |
| Improving Gravel Roads -- Understanding Design Criteria | Webinar | 11/15/2017 | 73 |
| Backing Safety & Blind Spot Awareness | Video Conf | 11/28/2017 | 78 |
| Trenching Safety & Confined Spaces | Video Conf | 11/28/2017 | 38 |
| Prof Communication in Today's Electronic Workplace | Video Conf | 11/29/2017 | 47 |
| Enhanced Culvert Inspections Best Practices: MnDOT Guidebook | Webinar | 12/8/2017 | 59 |
| Legal Aspects of Traffic Control on Highway Work Zones (Tort Liability) | Webinar | 12/11/2017 | 213 |
| High Strength Bolt Installation | Video Conf | 12/14/2017 | 46 |
| Welding 101 | Video Conf | 12/14/2017 | 82 |
| Corrugated Steel Pipe | Webinar | 12/15/2017 | 62 |
| Presenting with Impact | Video Conf | 12/19/2017 | 45 |
| Uncovering Leadership Blind Spots | Video Conf | 12/19/2017 | 63 |
| Navigating the Landscape of Conflict | Video Conf | 12/21/2017 | 55 |
|  |  |  |  |
|  |  | **TOTAL** | **1377** |

**ONLINE MODULES OCTOBER THROUGH DECEMBER 2017**

|  |  |
| --- | --- |
| **Title** | **# Completed** |

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| --- | --- |
| Handling and Storage of Reinforcing Steel | 1 |
| Introduction to NDDOT Construction Automated Records System (CARS) | 1 |
| Materials Testing: Introduction to the Soil-Moisture Density Relationship | 1 |
| Materials Testing: Lightweight Pieces in Aggregate | 1 |
| Materials Testing: Proctor Test | 1 |
| Materials Testing: Rubber-Balloon Test | 1 |
| Materials Testing: Sieve Analysis of Fine and Coarse Aggregates | 1 |
| Road Safety 365: A Safety Course for Local Governments – Module 1: The Need for Road Safety | 2 |
| 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 3: Planning for Safety | 1 |
| TC3 Advanced Self-Consolidating Concrete | 1 |
| TC3 Basic Construction Surveying | 4 |
| TC3 Basic Materials for Highway Construction: Hot Mix Asphalt Basics | 1 |
| TC3 Chip Seal Best Practices | 1 |
| TC3 Chip Seal Best Practices: Introduction | 1 |
| TC3 Chip Seal Best Practices: Construction Practices | 1 |
| TC3 Concrete Series: Fresh Properties | 1 |
| TC3 Construction of PCC Pavement Series: Curing, Sawing, and Joint Sealing | 3 |
| TC3 Earthwork Series: Excavation | 3 |
| TC3 Earthwork Series: Fill Placement | 6 |
| TC3 Earthwork Series: Grades and Grading | 1 |
| TC3 Flagger Training | 1 |
| TC3 GPS Technology | 1 |
| TC3 HMA Paving Field Inspection | 2 |
| TC3 Job Hazard Analysis | 1 |
| TC3 Managing Critical Path Method (CPM) Schedules | 3 |
| TC3 Plan Reading: Bridge Plans | 1 |
| TC3 Plan Reading: Grading Plans | 2 |
| TC3 Plan Reading: Highway Plan Reading Basics | 2 |
| TC3 Superpave for Construction | 1 |
| TC3 Superpave Mix Design Process and Analysis | 2 |
|  |  |
| **TOTAL** | **50** |

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| **Significant Results:**  Identifying and delivering technology transfer needs of the DOTs in Montana, North Dakota, South Dakota and Wyoming. Presentations are broadcast through video conferencing or webinars; and on-line modules available 24/7. This program can reach many individuals to bring significant opportunities to increase knowledge without the need to travel great distances. |
| **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. |