TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): MnDOT

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.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* TPF-5(215)		**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 Engineering and Road Research Alliance (TERRA)		
Name of Project Manager(s): Maureen Jensen	**Phone Number:** 651-366-5507	**E-Mail** maureen.jensen@state.mn.us
Lead Agency Project ID: TPF-5(215)	**Other Project ID (i.e., contract #):**	**Project Start Date:** 7/21/2009
Original Project End Date: 7/2014	**Current Project End Date:** 7/2015	**Number of Extensions:** 1

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
$209,500	$142,022	81%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$6,250	$6,250	81%

Project Description:

TERRA is a consortium of government, industry and academia in a dynamic partnership to advance innovations in road engineering and construction, including issues related to cold climates. TERRA's research program is built on the principle of collaboration to meet research needs, and focuses on transforming the MnROAD facility from a Minnesota resource to a regional, national, and international research center. TERRA's partnering efforts reach beyond Minnesota to include transportation organizations in other states and in Europe.

The main objectives of the TERRA is to:

• Guide future pavement research investments and activities;
• Exchange information, share ideas, and learn research results;
• Develop relationships, and provide a network for expanded collaboration and development of proposals;
• Attract key public, industry, academic and other program partners to contribute resources;
• Expand entrepreneurial use of the capacity and capabilities of the MnROAD facility by pursuing opportunities to serve a broader research community.

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

• The Executive Committee met October 18 and discussed potential implementation funding, local government engagement and research implementation, a draft reserve policy statement, and the proposed research and implementation needs sharing process for November General Assembly meeting. The Executive Committee also met December 19 and discussed the implementation needs results and next steps, the draft February General Assembly
• Staff continued planning, coordination, delivery, and follow up from the November General Assembly meeting, including an e-survey to members on implementation needs, and continued planning for the February General Assembly meeting. Notes were distributed following the November meeting.
• The Communications Committee met on November 22 and discussed communications products including the January E-News table of contents, the pavement preservation fact sheet, ideas for FY14 fact sheets, content for 2013 Annual Highlights document, the annual update of TERRA Brochure and Benefits of TERRA document, and e-announcements highlighting practice-ready implementation examples. Additionally they reviewed website and E-News statistics, discussed committee membership, and discussed events including TRB, the 2014 TERRA Pavement Conference, the TERRA presentation at MN Transportation Conference, the 2014 Innovation Series event and General Assembly meeting location. Notes were distributed following the meeting.
Initial
• The October 2013 E-News was distributed on October 31, 2013.
• TERRA fact sheet on pavement preservation completed. Work began on the next fact sheet on implements of husbandry which will be complete in early 2014.
• Minor updates to the program Brochure and the Benefits of TERRA document were started and will be ready by TRB. The 2013 Annual Highlights document was drafted and will also be complete by TRB.
- SHRP 2 Workshop on Pavement Preservation is being planned for September, to be held in conjunction with the

Anticipated work next quarter:

- Annual Pavement Conference will be held
- Publish an e-news and technical summary
- General Assembly meeting planned for Feb to continue developing focus areas for implementation
- Task forces for planning the next phase of MnROAD will begin meeting.
- Planning for SHRP 2 workshop on Pavement Preservation will continue

Significant Results:

MnROAD phse 3 development committees formed, held initial meetings. Peer Exchange for MnROAD phase 3 scheduled for this summer.

Whitetopping Design tool has been finalized and training held in Minnesota

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).

Continuation of TERRA is expected. Plan is to extend the pooled fund to 2015 and re-evaluate the scope, repost pooled fund.

Potential Implementation:

The TERRA sponsored pooled fund on design of Unbonded concrete overlays will produce a tool for designers, as well as models/guidance that can be incorporated into future versions of DARWIN ME

Whitetopping design tool will be disseminated by the CP Tech Center