TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Mn/DOT

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:** 7/2014	**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
$157,500	$87,914	68%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$12,470	$12,470	68%

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 Marketing and Communications Committee met on November 14.
• The Research and Implementation Committee met October 17.
• The Coordinating Committee met October 2.
• The Member and Partner Engagement Committee was scheduled in October; however, per the direction of the chair the committee did not meet this quarter (they had met at the tail end of last quarter, they will meet early in the next quarter, and more focus and energy was being put into the strategic and operational planning during this time).
• The board met November 8 for a board meeting. Key agenda items included annual cycle of board meetings, strategic and operational planning next steps, co-chair rotation, project selection process, discuss research ideas, and committee updates.
• The subcommittee for strategic and operational planning was formed and the group has met December 12. Two additional meetings are scheduled for early 2013.
• The October 2012 E-News (Vol. 6, No. 4) was distributed on October 30, 2012 (http://www.terraroadalliance.org/publications/enews/2012/04/).
• The ideas collected through the call for project ideas to partners and friends that were screened by the MPE Committee were then reviewed by the board in November at their board meeting.
• Second webinar on chipseals was held
• Work began on the next TERRA fact sheet on the topic of porous asphalt and board members were asked for their suggestions of porous asphalt projects to highlight in the fact sheet. The fact sheet will be completed in winter FY13. Potential future fact sheet topics were also brainstormed.

Anticipated work next quarter:

- Details of the strategic plan and committee realignments will be completed.
- Board and subcommittee meetings will be held
- Annual Pavement Conference will be held on Feb 14
- Publish an e-news and technical summary
- Establish agenda for DARWIN peer exchange to be held in Wisconsin

Significant Results:

Many of the pooled fund projects are completing and will be implemented over the coming year (low temperature cracking performance test for example)

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).

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

Several of the MnROAD research projects also have potential or are being implemented:
- Implements of Husbandry: Wisconsin association of nutrient haulers are using different equipment, and some modification to the use of roads in the spring is occurring due to the results of the study.
- Surface characteristic studies for improved performance of asphalt and concrete surfaces
- Thin Whitetopping design tool will be initially released for use this summer

We are planning to develop a research implementation document that highlights all the implementation occurring from these projects.