

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): IOWA 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 # TPF-5(233)	Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31, 2015) Quarter 2 (April 1 – June 30, 2015) Quarter 3 (July 1 – September 30, 2015) X Quarter 4 (October 1 – December 31, 2015)
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Project Title:
Technology Transfer Intelligent Compaction Consortium (TTICC)

Project Manager: Steve Megivern	Phone: 239-1936	E-mail: stephen.megivern@iowa.dot.gov
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Project Investigator: David White Pavana Vennapusa	Phone: 294-1463 294-2395	E-mail: djwhite@iastate.edu pavanv@iastate.edu
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Lead Agency Project ID: RT 0347	Other Project ID (i.e., contract #): Addendum 385	Project Start Date: 8/6/10
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Original Project End Date: 3/15/14	Current Project End Date: 06/30/2016	Number of Extensions: Ongoing pooled fund; interim budgets
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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	Total Percentage of Work Completed
\$349,000	\$321,900.03	ongoing

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$26,299.11		

Project Description:

Increasingly, state departments of transportation (DOTs) are challenged to design and build longer life pavements that result in a higher level of user satisfaction for the public. One of the strategies for achieving longer life pavements is to use innovative technologies and practices. In order to foster new technologies and practices, experts from state DOTs, Federal Highway Administration (FHWA), academia and industry must collaborate to identify and examine new and emerging technologies and systems. The purpose of this pooled fund project is to identify, support, facilitate and fund intelligent compaction research and technology transfer initiatives.

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

- Face to face meeting conducted on October 27-28 in Frankfurt, KY. Meeting held for 1.5 days and was hosted by Kentucky Transportation Cabinet (KYTC). The TTICC-ISU team worked on travel and accommodation arrangements.
- The KY meeting was attended by 20 participants on-site and 3 participants via web conference call. Participants included representatives from eight participating state DOTs (GA, KY, MO, OH, PA, VA, CA, and IA) and FHWA.
- Meeting agenda is attached to this QPR. Key aspects of the meeting include updates from state DOTs on the current state of implementing IC in their respective states, discussing challenges and barriers associated with implementation, discuss challenges with current specifications and data management issues, and outlining next steps to address the challenges. A workshop report is underway and will be submitted to TAC early next quarter.

Anticipated work next quarter:

- Finish tech briefs.
- Updates to TTICC web page.
- Submit workshop report

Significant Results:

- TTICC 2015 meeting.
- Updates to webpage.

Circumstance affecting project or budget (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).

TAC committee (updated 7/1/15):

Representing	Name	Organization	Email
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AGENDA

Technology Transfer Intelligent Compaction Consortium: Addendum 385 TPF-5(233)

October 27-28, 2015 – KYTC Office, 200 Mero Street, Frankfort, Kentucky

Hotel: Capital Plaza – 405 Wilkinson Blvd (walking distance)

Tuesday, October 27 – Room C107

- 8:00 am Coffee and continental breakfast available
- 8:30 am Introductions
- 9:00 am TTICC update by CEER (tech transfer, upcoming IC opportunities, et.)
- 9:30 am State DOT IC implementation updates (CA, GA, IA, KY, MO, OH, PA, VA, & FHWA)
- 10:00 am **Morning break**
- 10:15 am State DOT IC implementation updates (continued)
- 10:45 am Kentucky IC experience and showcase project(s)
- 12:00 pm **Lunch**
- 1:00 pm Working session to comment on existing and alternative IC specification (HMA and grading)
- 3:00 pm **Afternoon break**
- 3:15 pm Working breakout discussions (continued)
- 4:30 pm Wrap up
- 6:00 pm **Informal dinner at a local restaurant**

Wednesday, October 28 – Room 512

- 8:00 am Coffee and continental breakfast available
- 8:15 am Working breakout sessions to identify and discuss:
- Specifications
 - QC/QA problems, challenges, opportunities
 - Re-prioritize/add/delete IC/CCC technology research/implementation needs
 - TTICC goals and future needs
- 10:00 am **Morning break**
- 10:15 am Working session (continued)
- 11:00 am Summary and direction forward
- 11:30 am Wrap up