

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.

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|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Transportation Pooled Fund Program Project # TPF-5(233) | Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31, 2013) Quarter 2 (April 1 – June 30, 2013) X Quarter 3 (July 1 – September 30, 2013) Quarter 4 (October 4 – December 31, 2013) | |
| Project Title: Technology Transfer Intelligent Compaction Consortium (TTICC) | | |
| Project Manager: Steve Megivern | Phone: 239-1936 | E-mail: stephen.megivern@iowa.dot.gov |
| Project Investigator: David White Pavana Vennapusa | Phone: 294-1463 294-2395 | E-mail: djwhite@iastate.edu pavanv@iastate.edu |
| Lead Agency Project ID: RT 0347 | Other Project ID (i.e., contract #): Addendum 385 | Project Start Date: 8/6/10 |
| Original Project End Date: 3/15/14 | Current Project End Date: 06/30/2014 | Number of Extensions: Ongoing pooled fund; interim budgets |

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 |
|----------------------|--------------------------------|------------------------------------|
| \$249,000 | \$158,454.76 | ongoing |
| | | |

Quarterly Project Statistics:

| Total Project Expenses This Quarter | Total Amount of Funds Expended This Quarter | Percentage of Work Completed This Quarter |
|-------------------------------------|---------------------------------------------|-------------------------------------------|
| \$7,022.75 | | |
| | | |

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.):

- One new draft Case History (MO Hwy 141-Embankment, Box Culvert, and MSE Wall Fill-August2010) was finalized during this quarter.
- Progress has been made on the video content and script with Demonstratives, Inc.
- The CAT CS74 roller obtained under a loan agreement has been used on the Central Iowa Expo site as part of an on-going Iowa DOT research project and is currently being used by a contractor on an earthwork embankment construction project in Des Moines, Iowa.

Anticipated work next quarter:

- IC101 video completion by the end of the quarter.
- 5 additional Case Histories.
- Working on roller loan agreement with contractor working on Georgia DOT project
- ISU will look into the possibility of getting an HMA roller for loan to the TTICC states.
- Web meeting to plan future workshop agenda and location.
- Continue to update the TTICC website with new content.

Significant Results:

- Finalizing a new Case History draft.
- Using the CAT roller on two sites in Iowa and working on schedule to loan for other sites.
- Refining content for the IC 101 video.

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).

Note on the budget: Through FY14 there is \$371,000 available; ISU has contracted for \$249,000. The budget will be discussed at the November web meeting. The video budget will require additional funding due to increased scope and the next face-to-face meeting workshop and location will determine key budget decisions.

TAC committee:

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