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(100)*	**Transportation Pooled Fund Program - Report Period:** X Quarter 1 (January 1 – March 31, 2014) Quarter 2 (April 1 – June 30, 2014) Quarter 3 (July 1 – September 30, 2014) Quarter 4 (October 1 – December 31, 2014)
Project Title: Deicer Scaling Resistance of Concrete Mixtures Containing Slag Cement	
Project Manager: Linda Narigon **Phone:** 239-1471 **E-mail:** linda.narigon@dot.iowa.gov	
Project Investigator: Peter Taylor **Phone:** 294-9333 **E-mail:** ptaylor@iastate.edu	

Lead Agency Project ID:	**Other Project ID (i.e., contract #):**	**Project Start Date:**
RT 0336	Addendum 374 and Addendum 202	4/15/10
Original Project End Date:	**Current Project End Date:**	**Number of Extensions:**
10/14/11	**3/31/14**	Pooled fund project; interim funding

Project schedule status:

☐ On schedule ☐ On revised schedule ☐ Ahead of schedule X Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Total Percentage of Work Completed
$247,406	$244,980.87	80%

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
$13,451.38		15%

Project Description:

Field surveys of portland cement concrete pavements and bridge decks containing slag cement (*13*) have already been conducted. This was done to evaluate whether the addition of slag cement to the concrete mixtures increased the surface scaling caused by the routine application of deicer salt. From this study it appeared that construction-related issues played a bigger role in the observed scaling performance than did the amount of slag in the concrete mixture. The work also indicated that the test method C672 may be more severe than most environments.

The aim of this project is therefore to recommend a test method that is more representative of field performance for concrete in a salt scaling environment.

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

- The final report has been published.

Anticipated work next quarter:

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Significant Results:

- See phase 2 report: http://www.intrans.iastate.edu/research/documents/research-reports/deicer_scaling_w_cvr.pdf
- Final Report: http://www.intrans.iastate.edu/research/documents/research-reports/deicer_scaling_resistance_3_w_cvr.pdf

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 members are shown below. A TAC teleconference will be scheduled for the next quarter when a draft report is ready.

FHWA	Suneel Vanikar
FHWA	Fred Faridazar
Connecticut	John Henault
Iowa	Kevin Jones
Iowa	Linda Narigon
Kansas	Dave Meggers
Minnesota	Bernard Izeybekhai
New York	Don Streeter
Ohio	Bryan Struble