

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Iowa Department of Transportation

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(232)		Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31), 2012 Quarter 2 (April 1 – June 30, 2012) Quarter 3 (July 1 – September 30, 2012) XQuarter 4 (October 4 – December 31, 2012)	
Project Title: Investigation of the Impact of Implements of Husbandry on Bridges			
Project Manager: Ahmad Abu-Hawash		Phone: (515) 239-1393	E-mail: ahmad-hawash@dot.iowa.gov
Project Investigator: Terry Wipf		Phone: (515) 2949-6979	E-mail: tjwipf@iastate.edu
Lead Agency Project ID: RT0360	Other Project ID (i.e., contract #): Addm 399	Project Start Date: 05/15/2011	
Original Project End Date: 05/31/2016	Current Project End Date: 5/31/2016	Number of Extensions:	

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
\$285,000	\$69,190	21%

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$10,728		1%

Project Description:

This project will seek to understand how implements of husbandry impact the nation's bridges. Further, tools for completing bridge rating with these vehicles in mind will be developed. Additionally, a generic posting vehicle will attempt to be developed. This generic posting vehicle will allow rating engineers to post bridges in such a way that the various types of vehicles will be covered.

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

In the current quarter, we completed analyzing the field collected data, creating analytical models for those field tested bridges, and computing experimental and analytical DFs for those bridges. We have started the modeling of a large number of rural bridges from each of the participant States. These models have the same theoretical implements applied to them resulting in a large number of DF computations.

Anticipated work next quarter:

The analytical investigation will continue with a focus on creating models that will allow the investigation of behavior under a wide variety of implement types.

Significant Results:

No significant results to report at this point in time.

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).

None to report at this time.