

## 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.*

<b>Transportation Pooled Fund Program Project #</b> TPF-5(232)	<b>Transportation Pooled Fund Program - Report Period:</b> <input checked="" type="checkbox"/> Quarter 1 (January 1 – March 31), 2012 <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 4 – December 31)	
<b>Project Title: Investigation of the impact of implements of husbandry on bridges</b>		
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<b>Lead Agency Project ID:</b> RT0360	<b>Other Project ID (i.e., contract #):</b> Addm 399	<b>Project Start Date:</b> 05/15/2011
<b>Original Project End Date:</b> 05/31/2016	<b>Current Project End Date:</b> 5/31/2016	<b>Number of Extensions:</b>

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	\$53,035.76	18%

**Quarterly** Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$4,737.75		3%

**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.):**

Significant progress has been made on the modeling of the bridges tested during the previous two summers. These calibrated models will be used to simulate the response of the tested bridges to over 100 different implements of husbandry combinations.

**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.