

## 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> Quarter 1 (January 1 – March 31, 2015) Quarter 2 (April 1 – June 30, 2015) <input checked="" type="checkbox"/> Quarter 3 (July 1 – September 30, 2015) Quarter 4 (October 1 – December 31, 2015)	
<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	\$121,777.70	60%

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$360.36		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.):**

This quarter we have completed several example ratings using the developed code-type equations and the developed AV vehicles. We have also developed several signage possibilities. It seems clear that the use and implementation of such sign options will vary from state to state. Additionally, based upon comments from the TAC, we are exploring the creation of additional AV vehicles. Basically, does it make sense to parallel current rating and posting processes for traditional highway vehicles? This might include the currently developed AV vehicles for rating and a group of legal AV vehicles for posting.

**Anticipated work next quarter:**

In the next quarter, we plan to start the development of various posting alternatives and to continue working on the project final report.

**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).**

Nothing to report.