

## 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.*

<b>Transportation Pooled Fund Program Project #</b> TPF-5(169)		<b>Transportation Pooled Fund Program - Report Period:</b> <input checked="" type="checkbox"/> Quarter 1 (January 1 – March 31, 2013) <input type="checkbox"/> Quarter 2 (April 1 – June 30, 2013) <input type="checkbox"/> Quarter 3 (July 1 – September 30, 2013) <input type="checkbox"/> Quarter 4 (October 4 – December 31, 2013)	
<b>Project Title: Field Monitoring of Curved Girder Bridges with Integral Abutments</b>			
<b>Project Manager:</b> Ahmad Abu-Hawash		<b>Phone:</b> 515-239-1393	<b>E-mail:</b> ahmad.abu-hawash@dot.iowa.gov
<b>Project Investigator:</b> Brent Phares		<b>Phone:</b> 515-294-5879	<b>E-mail:</b> bphares@iastate.edu
<b>Lead Agency Project ID:</b> RT 281	<b>Other Project ID (i.e., contract #):</b> Addendum 323	<b>Project Start Date:</b> 6/01/08	
<b>Original Project End Date:</b> 5/31/13	<b>Current Project End Date:</b> 5/31/13	<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
\$325,000.00	\$320,124	90%

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$24,721	N/A	10%

**Project Description:**

- Group 1 – Information Collection
  - Form TAC
  - Survey of available technologies
  - Review of available engineering literature
  - Inspect existing curved and chorded curved girder bridges
- Group 2 – Collect and Analyze Data on the Performance of Five or More Bridges
  - Finalize an instrumentation plan
  - Monitor and analyze behavior of bridges for two thermal cycles
  - Develop and Validate simple analytical models
- Group 3 – Develop Project Conclusions and Recommendations
  - Establish a meeting with TAC
  - Submit final report

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

A meeting with the TAC was conducted on March 19. Progress on the project was discussed as were ideas for expanding the scope. A proposal for such work was sent to the TAC for final comment.

The majority of work completed this quarter has focused on preparing the project final report. However, with the expanded scope the final submission of the final report will be delayed. However, an advance copy will be forwarded as soon as it is ready.

**Anticipated work next quarter:**

In the next quarter, the prime focus will be on preparing the project final report and on starting the expanded scope work once approval is received.

It is anticipated that the draft of the final report will be completed on time (2 months prior to contract end) and submitted to the TAC. All other currently contracted work has been completed.

**Significant Results:**

No new significant results to report.

**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).**

No problems have been encountered in this quarter.