**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(232)*** | | **Transportation Pooled Fund Program - Report Period:**  □ Quarter 1 (January 1 – March 31)  □ Quarter 2 (April 1 – June 30)  XQuarter 3 (July 1 – September 30)  □ Quarter 4 (October 4 – December 31) | |
| **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:**  **90-00-RB06-011** | **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:

X 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 | $39,140.92 | 15% |

***Quarterly*** Project Statistics:

|  |  |  |
| --- | --- | --- |
| **Total Project Expenses**  **This Quarter** | **Total Amount of Funds**  **Expended This Quarter** | **Percentage of Work Completed**  **This Quarter** |
| $39,140.92 |  | 10% |

**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.):**

During the current quarter, the principal effort was on the analysis of the collected data. Given the project goals, this effort has primarily focused on studying two characteristics that are thought to be the most fruitful: lateral live load characteristics and dynamic characteristics. With potential modifiers to these two parameters, it is felt that engineers will have the tools necessary to modify existing analysis techniques for consideration of implements.

**Anticipated work next quarter:**

In the next quarter we will continue working with the large volume of collected data. It is possible that an analytical investigation may begin.

**Significant Results:**

None.

**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.