TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): FHWA

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 # *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* TPF-5(283)		**Transportation Pooled Fund Program - Report Period:** ☑ Quarter 1 (January 1 – March 31) ☐ Quarter 2 (April 1 – June 30) ☐ Quarter 3 (July 1 – September 30) ☐ Quarter 4 (October 1 – December 31)
Project Title: Influence of Vehicular Live Loads on Bridge Perfromance		
Name of Project Manager(s): Tom Saad, Fred Faridazar	**Phone Number:** 708.283.3521	**E-Mail** thomas.saad@dot.gov
Lead Agency Project ID:	**Other Project ID (i.e., contract #):**	**Project Start Date:** January , 2013
Original Project End Date: January, 2018	**Current Project End Date:**	**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	Percentage of Work Completed to Date
		35%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date

Project Description:

Collect research quality bridge loads and bridge response data from in-service bridges to determine the effects of live loads on bridge performance, independent of all other influences on bridge component performance. Develop a comprehensive protocol for collecting research quality data, collect data at several locations across the country, maintain systems and store data in the LTBP Bridge Portal, and analyze data to quantify influences of live loading on bridge component performance.

Create 'national' database for truck loads on bridges.

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

Weekly coordination calls
Continued evaluation of I-84 bridge instrumentation and coordination with ODOT contractor to address punch list.
Develop list of potential candidate bridges in States participating in the pooled fund study.

Anticipated work next quarter:

Award contract for Phase II of project and extend bridge data collection to 4 to 5 years for each study bridge.

Significant Results:

First study bridge in instrumented and data collection begins on the I-84 bridge in Hermiston, OR. The study leveraged the assessment of an experimental fiber optic BWIM system that is provided at no cost and may be used if the reliability of the system proves highly accurate.

Circumstance affecting project or budget. (Please 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).

Additional instrumentation and data collection at bridge sites requires the award of a Phase II contract that will allow for expenditure of State DOT contributions to the pooled fund study. To date, only FHWA funds/contributions have been expended. The Phase II contract will extend the project length to allow for data collection at each site to be 4 to 5 years. It is anticipated that the award of this contract will allow at least 2 additional sites to be instrumented, with the potential for a fourth site, depending on data collection and analysis costs. Upon award of the Phase II contract, we anticipate that 2 additional bridges will be instrumented within 12 months.

Potential Implementation:

Instrument second bridge in Wisconsin in summer to fall of 2017.