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
		20%

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 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.):

Parametric Studies / Alternative Data Collection Methodologies:

- Iowa Bridge Site Visit
- Submitted report on visit to Iowa Bridge Site and Weight Enforcement Station
- Instrumentation Designs for Bridge Response Monitoring
- Preparation of Materials for April 29, 2015 TAC Webinar
- Prepared Presentation Materials for May 13, 2015 TAC Workshop
- Prepared Presentation Materials for May 26, 2015 BT&T ETG Web Conference Call

Life Cycle Cost Analysis:

- Established the requirements for LCCA for WIM system options
- Developed LCCA estimate for Tag and Track
- Developed LCCA estimate for using existing WIM systems
- Developed LCCA estimate for Bridge WIM
- Developed LCCA for new WIM based on leasing schedule from GDOT
- Developed LCCA for new WIM based on cost records from ODOT
- Prepared Presentation Materials for May 13, 2015 TAC Workshop
- Prepared Presentation of Material for May 26, 2015 BT&T ETG Web Conference Call

Document Recommendations and Presentation:

- TAC Workshop held on May 13, 2015
- ETC Webinar held on May 26, 2015
- Preparation of report from May 13, 2015 TAC Workshop

Anticipated work next quarter:

Finalize Literature review and incorporate all comments from TAC and BT&T ETG.

Preparation for TRB meeting and initiate draft final report.

Significant Results:

Met face-to-face with panel of national experts from LTBP Advisory Council and BT&T ETG and TAC to critique instrumentation and data collection plans for Oregon and Wisconsin bridges.

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).

Potential Implementation:

Instrument first bridge in mid to late CY 2016.