

## TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: May 5, 2014

Lead Agency (FHWA or State DOT): Indiana 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> <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i>  <u><b>TPF 5-281</b></u>	<b>Transportation Pooled Fund Program - Report Period:</b> <input checked="" type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
<b>Project Title:</b> <b>Center for the Aging Infrastructure: Steel Bridge Research, Inspection, Training and Education Engineering Center – S-BRITE</b>		
<b>Name of Project Manager(s):</b> Tommy E. Nantung	<b>Phone Number:</b> (765) 463-1521 ext. 248	<b>E-Mail</b> <a href="mailto:tnantung@indot.in.gov">tnantung@indot.in.gov</a>
<b>Lead Agency Project ID:</b>	<b>Other Project ID (i.e., contract #):</b>	<b>Project Start Date:</b> 9/1/2013
<b>Original Project End Date:</b> 10/1/2015	<b>Current Project End Date:</b> 10/1/2015	<b>Number of Extensions:</b> None

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
<b>\$400,000</b>	<b>\$8,845</b>	<b>20%</b>

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
<b>\$4,500</b>	<b>1.1%</b>	<b>23.0%</b>

**Project Description:**

The objective is to develop the Steel Bridge Research, Inspection, Training, and Education Engineering Center (S-BRITE Engineering Center) focused on existing steel highway bridges. This National Center will be the first of its kind and will become the leading education, training, research, and engineering center related to all aspects affecting the existing aging steel bridge and structure inventory. Although the Center will be focused on highway bridges, it will also support stakeholders of steel railroad bridges as well as steel ancillary structures, such as lighting towers and sign supports. The Center will contribute to improved asset management decisions for DOTs, FHWA, and other partners relative to existing steel bridge inventory.

This impact will be realized through:

- Research
- Training
- Technical Support

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

- A two-day short course on fatigue and fracture design was held in South Dakota in March
- Training has been scheduled for the South Dakota, Iowa, and Kansas DOTs
- Research is progressing on Probability of Detection (POD) Study. Prototype specimens have been fabricated and defects introduced.
- Specimens for the POD study have been ordered are being fabricated
- The final design for S-BRITE specimen gallery has been completed and a pre-bid meeting for construction is scheduled for April.
- Final design of the POD frame is completed and it is in fabrication.

**Anticipated work next quarter:**

- Continue with on-site and off-site training for partners
- Continue with POD study.

**Significant Results:**

1. None to date

**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).**

**In the previous QPR, estimated dollars spent were shown as \$10,000. However, to date, only \$8845 have been spent as the project has recently been initiated.**

**Potential Implementation:**

None to date

**Table 1: Revised schedule**