

**TRANSPORTATION POOLED FUND PROGRAM  
QUARTERLY PROGRESS REPORT**

Date: June 30, 2016

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><br><i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i><br><br><u><b>TPF 5-281</b></u>                   |  | <b>Transportation Pooled Fund Program - Report Period:</b><br><input type="checkbox"/> Quarter 1 (January 1 – March 31)<br><input checked="" type="checkbox"/> Quarter 2 (April 1 – June 30)<br><input type="checkbox"/> Quarter 3 (July 1 – September 30)<br><input type="checkbox"/> Quarter 4 (October 1 – December 31) |   |
| <b>Project Title:</b><br><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><br>Tommy E. Nantung  |  | <b>Phone Number:</b><br>(765) 463-1521 ext. 248  | <b>E-Mail</b><br><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><br>9/1/2013  |
| <b>Original Project End Date:</b><br>10/1/2015  |  | <b>Current Project End Date:</b><br>8/31/2016  | <b>Number of Extensions:</b><br>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>\$232,710</b>               | <b>92%</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>\$22,118</b>                                    | <b>5.5%</b>                                 | <b>91.6%</b>                          |

\*Due to an Accounting error at Purdue, project costs were previously overestimated.

**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.):**

- Short courses on inspecting steel bridges for fatigue were offered in at S-BRITE.
- S-BRITE website continues to be updated (<https://engineering.purdue.edu/CAI/SBRITE>)
- Continue to coordinate the acquisition of additional specimens for S-BRITE.
- Provided DEN support to Indiana and Illinois.
- Worked with DOTs to obtain additional specimens for the Bridge Component Gallery.
- S-BRITE, in partnership with the Lansing County Community College (Michigan) hosted the 2016 Iron and Steel Preservation Conference. About 50 participants were involved. The conference was held at Purdue on May 18-20 and very positive feedback was received.

**Anticipated work next quarter:**

- Continue with on-site and off-site training for partners
- Continue with project related to developing training and certification
- Continue with DEN support
- Continue to work with DOTs to obtain items for bridge component gallery.

**Significant Results:**

1. Training of employees from several State DOT.
2. DEN support has provided solutions to various DOT problems.
3. S-BRITE research results are being disseminated

**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).**

**NONE**

**Potential Implementation:**

None to date