TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Date: _Dec 31, 2022_
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.

Transportation Pooled Fund Program Project # *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* ***TPF 5-281/TPF 5-436***	**Transportation Pooled Fund Program - Report Period:** ☐Quarter 1 (January 1 – March 31) ☐Quarter 2 (April 1 – June 30) ☐Quarter 3 (July 1 – September 30) XQuarter 4 (October 1 – December 31)

Project Title: **Center for the Aging Infrastructure: Steel Bridge Research, Inspection, Training and Education Engineering Center – S-BRITE**		
Name of Project Manager(s): **Tommy E. Nantung**	**Phone Number:** **(765) 463-1521 ext. 248**	**E-Mail** tnantung@indot.in.gov
Lead Agency Project ID:	**Other Project ID (i.e., contract #):**	**Project Start Date:** 9/1/2013
Original Project End Date: **10/1/2015**	**Current Project End Date:** **INDEFINITE**	**Number of Extensions:** None

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	Percentage of Work Completed to Date**
$1,865,000*	**$1,286,715**	**90%**

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date**
$98,520	**5.3%**	**90%**

*Additional partners have joined S-BRITE and others have renewed participation, hence total project budget has increased.

**Since end date has been extended, project percentages have been updated (estimates)

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.):

- Continued to provided DEN support to all partners;
- Continued to provided support to partners as related to the December 2021 FHWA Memo on T1 steel through a webinar on January 24;
- Obtained 100 ksi QT steel specimens with representative flaws for performance testing of UT technicians. Three specimens of representative weld types, plate thicknesses, and defect tyupes were obtained from Flawtech. These specimens are (see photograph)
- Offered three S-BRITE training courses for Michigan DOT.
- Offered training at S-BRITE for various DOTs
- Began development of revised course materials for New S-BRITE NSTM training.

Anticipated work next quarter:

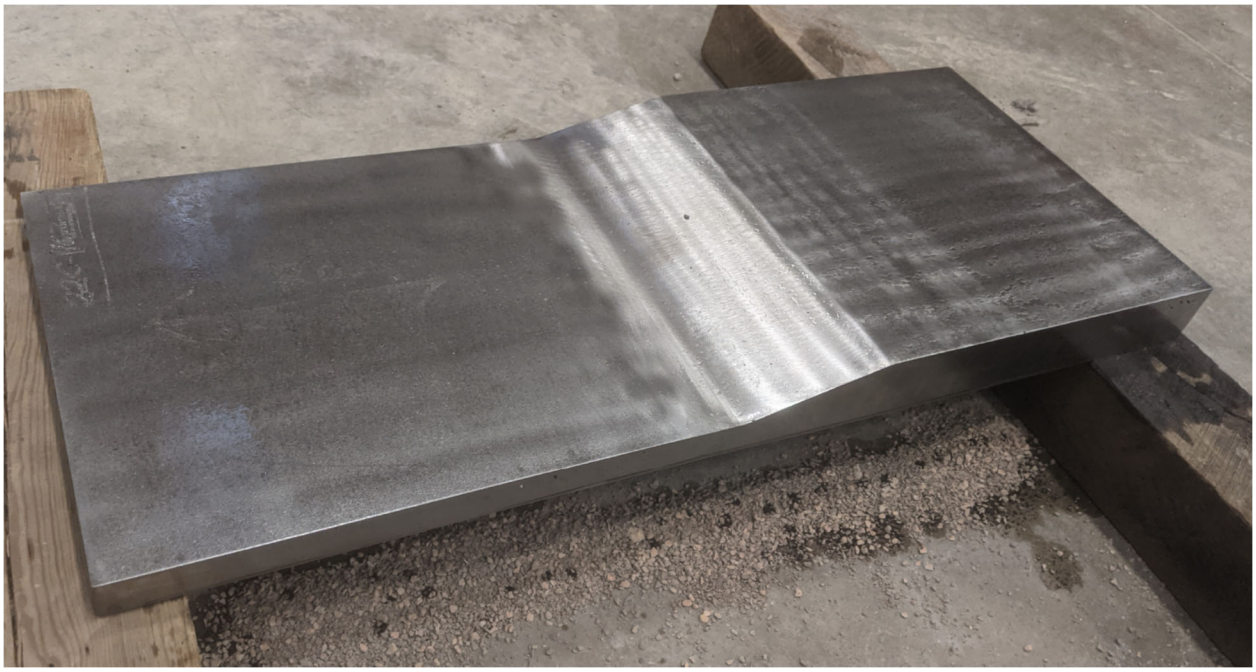
- Assumed that efforts to support states in performance testing efforts as part of the testing required per the FHWA T1 memo.
- Finalize testing for evaluation and development of calibration blocks for testing of T1 steels (sub task to Prof. Glenn Washer at the Univ. of MO).
- Offer S-BRITE training to various partners.
- Work with FHWA to obtain approval for S-BRITE equivalent NSTM training.
- Continue to develop final scope for field testing of Fort Pierre Bridge in SD to be done as special S-BRITE Task;

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).

Potential Implementation:
S-BRITE continues to have tremendous impact and benefit for owners, designers, and fabricators of steel bridges. It is anticipated that significant support will be provided to the partner states as related to the FHWA Memo focused on NDT of T1 Steels.



Photograph of typical plate for performance testing of UT inspectors examining CJP welds in T1 steels