TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Date: 05-Apr-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(320)	**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: North Central Superpave Center Base Funding		
Name of Project Manager(s): Tommy Nantung	**Phone Number:** 765/463-1521 x 248	**E-Mail** tnantung@indot.in.gov
Lead Agency Project ID: TPF-5(320)	**Other Project ID (i.e., contract #):**	**Project Start Date:** October 1, 2002
Original Project End Date:	**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
Continuing		Continuing

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:

The North Central Superpave Center began on July 1, 1995, as one of five regional centers established to assist the states/provinces and industry in the region with the implementation of the Superpave mix design system for hot mix asphalt. In the subsequent years the role of the NCSC has evolved to include all general hot mix asphalt issues as states in the region have adopted Superpave. The Center is administered through the Joint Transportation Research Program at Purdue University and is guided by a Steering Committee consisting of representatives of the agencies and industry in the participating states.

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

Progress will be reported in terms of the major activities planned for this project as established by the Steering Committee.

Training: No training conducted this quarter.

Communication: Posted updates to CSBG website. Made changes to NCAUPG website is in progress.

Third Party Lab and Testing Services: Completed binder recovery and grading of two Vermont RAP samples from a contractor. Asphalt binder proficiency testing is being conducted yearly by the research engineer.

Research:
Completed all strength testing for the soil-cement stabilization study; microstructural examination and analysis has also been completed. Report writing is underway.

Completed slab polishing and accompanying friction and texture testing of HMA slabs treated with two HFST resins. Test temperature was maintained at 110°F. Received old field cores from Nevada. These will be used to run freeze/thaw testing and pull-out testing.

Technology Transfer: During this quarter, there were 360 downloads of reports published by the researchers at NCSC, according to Purdue e-Pubs Readership reports.

Anticipated work next quarter:

Training: Provided asphalt binder test training for Ph.D. student and post-doc. On-going discussions with ASTM International for a two-week training course next summer.

Communication:

Third Party Lab and Testing Services: The NCSC was contacted by an aggregate producer regarding possible evaluation a new aggregate for comparison with a similar, established aggregate from an adjoining quarry.

Research: Continue testing aged field cores samples obtained from Nevada will be used for Freeze/Thaw cycling and pull-out testing. Prepare HMA slab samples for testing other HFST resins under high temperature.

Technology Transfer: None anticipated.

Significant Results: None

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: None