

## TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: 05-October-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.*

<b>Transportation Pooled Fund Program Project #</b> <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i>  TPF-5(320)	<b>Transportation Pooled Fund Program - Report Period:</b> <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input checked="" type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
<b>Project Title:</b> North Central Superpave Center Base Funding		
<b>Name of Project Manager(s):</b> Tommy Nantung	<b>Phone Number:</b> 765/463-1521 x 248	<b>E-Mail</b> tnantung@indot.in.gov
<b>Lead Agency Project ID:</b> TPF-5(320)	<b>Other Project ID (i.e., contract #):</b>	<b>Project Start Date:</b> October 1, 2002
<b>Original Project End Date:</b>	<b>Current Project End Date:</b>	<b>Number of Extensions:</b>

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: None this quarter

Communication: Final push to advertise the NCAUPG meeting was sent out.

Third Party Lab and Testing Services: Completed extraction, recovery and grading of a second set of two RAP samples from a VT contractor.

Research: Continued F/T cycling of old field cores from Nevada, treated with various epoxies. No delamination was observed in the epoxies studied thus far. A project to evaluate pavement marking material on concrete and HMA surfaces is on-going, in collaboration with Construction Management Technology department.

Technology Transfer: The NCAUPG conference was held on September 20 - 21, 2022, in Indianapolis. There were about 150 attendees, including 11 exhibitors, at the time of the conference. Submitted paper to TRB for presentation and publication consideration, based on findings from soil-cement study. The NCHRP synthesis report on Moisture-Damage in HMA pavements was published and available for download at the NCHRP website. During this quarter, there were 408 new downloads of reports published by the researchers at NCSC, according to Purdue e-Pubs Readership reports.

**Anticipated work next quarter:**

Training: Proposal writing and negotiations are still underway for the two-week training course next summer (May 2023) for ASTM International. The scope was expanded to include another team later next summer, who will be coming from Nepal.

Communication: Updates to M-TRAC and CSBG websites anticipated.

Third Party Lab and Testing Services: None anticipated.

Research: Friction and texture readings of slabs treated with study resins and HFST will continue. Continue F/T testing for NDOT cores. SAC meeting planned for December.

Technology Transfer: None planned this quarter.

**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