

## TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: 01-Feb-2021

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 type="checkbox"/> Quarter 3 (July 1 – September 30)  <input checked="" 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> 765/463-2532 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. 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 provided this quarter.

Communication: Combined State Binder Group (CSBG) website is being updated. Shah is working with A. Gallistel (CSBG liaison) and implementing the changes.

Third Party Lab and Testing Services: The research engineer continued her work on proficiency testing and maintenance of AMRL accreditation records. Peckham Industries contacted NCSC for repeat testing of two RAP samples next quarter. Received the go-ahead from US Aggregate to test four friction aggregate using ITM221.

Research:

Based on the proposed new direction for the project titled *Real Life Experiences with Major Pavement Types* data from LTPP website is being extracted.

Testing of the resins continues after Purdue labs partially reopened with social distancing measures in place, for the study titled *Developing Lower Modulus Polymer Resin Binder Systems Specifications for High Friction Surface Treatments (HFST) on Asphalt Pavements in Nevada*.

Submitted Draft Report to NCHRP Panel for the synthesis project titled *Practices for Assessing and Mitigating the Moisture Susceptibility of Asphalt Pavements*.

Technology Transfer: None this quarter.

**Anticipated work next quarter:**

Training: None

Communication: None

Third Party Lab and Testing Services: AMRL proficiency sample testing and record keeping will continue to maintain lab accreditation. Extract, recover and test Peckham RAP binder samples. Test friction and texture for the four aggregate received from US Aggregate using ITM221. Soil strength testing of lab and field cores with added Portland Limestone Cement (PLC) is anticipated to verify data generated by Lehigh Cement, as requested by INDOT (Dr. Siddiki). Some accompanying SEM work is also anticipated.

Research: Panel meeting with NCHRP committee to discuss the report. Continue work on *Real Pavement Life* project. Limited lab testing on HFST project, based on progress made by the Purdue Material Science group.

Technology Transfer: Invited to make presentation about testing friction samples (ITM221) at the IMAA conference in March.

**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).**

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<b>Potential Implementation:</b> None
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