

## TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: 01-Oct-2020

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> 765/463-2532 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: Major updates to the M-TRAC website. Additionally, there were issues with the server being taken offline unexpectedly. The issue was resolved as Purdue ECN moved the website to another server; all links were reestablished.

Third Party Lab and Testing Services: Determined the specific gravities for the PRA samples received. Estimate for ITM221 testing was sent to the contractor. The research engineer continued her work on proficiency testing and maintenance of AMRL accreditation records.

Research:

SAC meeting was held for *Real Life Experiences with Major Pavement Types* to discuss the lack of access to old project data files and direction forward. The proposed alternative direction was approved by the SAC along with no-cost time extension.

Five new resins were obtained but testing was limited for the study titled *Developing Lower Modulus Polymer Resin Binder Systems Specifications for High Friction Surface Treatments (HFST) on Asphalt Pavements in Nevada*, due to closure of Purdue research labs campus-wide and COVID-16 safety procedures are being developed for the labs.

Report writing continued for the NCHRP synthesis project titled *Practices for Assessing and Mitigating the Moisture Susceptibility of Asphalt Pavements*.

Technology Transfer: Co-authored a paper presented at AAPT conference held online.

**Anticipated work next quarter:**

Training:

Communication:

Third Party Lab and Testing Services: AMRL proficiency sample testing and record keeping will continue to maintain lab accreditation.

Research: Submit draft report for the NCHRP synthesis report. Continue work on *Real Pavement Life* project.

Technology Transfer: None planned.

**Significant Results:**

**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:**