TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Date: _____01-July-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.

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:** 765/463-2532 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. 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. ASTM International reached out to enquire if NCSC would still be interested in training the foreign delegates after the sudden demise of the Technical Director in early May. Due to the worsening pandemic situation globally, the training would be delayed to 2021. The NCSC expressed their continued interest in conducting the training after the COVID situation improved.

Communication: Published reports have now been downloaded from the Joint Transportation Research Program website over 15000 times. Updated MTRAC state contacts, inactive links and updated meeting info.

Third Party Lab and Testing Services: One aggregate contractor expressed the possibility of friction testing of 2 to 3 polish-resistant aggregates (PRAs) using the ITM221. The research engineer continued her work on proficiency testing and maintenance of AMRL accreditation records.

Research:

The final report for *Best Practices for Patching Composite Pavements* was published this quarter (June 2020).

Work on *Real Life Experiences with Major Pavement Types* was stalled due to lack of access to old project files that are in the process of being microfilmed. Other options are being explored via the SAC members.

Limited material characterization was done on the two resins obtained for the study *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.

The Research Engineer was made PI of the NCHRP Synthesis study on moisture damage mitigating practices. The survey was closed at the end of May, data are being compiled and report writing has commenced.

Technology Transfer: The technical director served on the prelim committee for a Purdue doctoral student in April.

Anticipated work next quarter:

Training: None.

Communication: Updates to the M-TRAC website will continue to be posted.

Third Party Lab and Testing Services: AMRL proficiency sample testing and record keeping will continue to maintain lab accreditation. If contractor agrees, we will proceed with friction testing of the PRAs using the ITM221.

Research: SAC meeting will be held for Real Life Pavement project. Report writing will continue for the NCHRP Moisture Damage synthesis.

Technology Transfer: None.

Significant Results:

Best Practices for Patching Composite Pavements final report was published.
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: