

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: 10-April-2023

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>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i> TPF-5(320)		Transportation Pooled Fund Program - Report Period: <input checked="" 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 type="checkbox"/> 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: None this quarter

Communication: Posted new updates regarding Combined State Binder Group (CSBG) meetings and Round-Robin testing and data on the CSBG website.

Third Party Lab and Testing Services: Extraction, recovery and binder grading of two RAP samples for a VT contractor were conducted.

Research: Evaluation of pavement marking material on concrete surfaces is on-going, in collaboration with Construction Management Technology (CMT) department of Purdue University. Completed friction and texture testing on polished High Friction Surface Treatment (HFST) on HMA slabs for three more epoxies being investigated in Nevada DOT study. Preliminary project meetings held to discuss the field testing plans for the coming quarter on a new SPR project investigating low friction pavements in Indiana.

Technology Transfer: Paper on soil-cements modification was presented at annual TRB meeting held on January, 2023.

During this quarter, there were 300 new downloads of reports published by the researchers at NCSC, according to Purdue e-Pubs Readership reports.

Anticipated work next quarter:

Training: Visiting team of engineers from Côte d'Ivoire are expected for a two-week training on soil-cement modification and Superpave methodology. The training sessions will be held at NCSC in W. Lafayette and Materials & Test, INDOT, in Indianapolis.

Communication:

Third Party Lab and Testing Services: Friction testing on PRA material expected from an INDOT contractor next quarter

Research: Continue friction and texture testing of pavement marking materials for INDOT, low-friction project and HFST epoxies for Nevada DOT.

Technology Transfer: Training for visiting team of engineers from Nepal.

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