

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: 05-January-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 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)	
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 Round-Robin testing and data on the CSBG website. Minutes of the recent meeting and presentation were uploaded at the M-TRAC website. Both these websites continue to be hosted and maintained by NCSC.

Third Party Lab and Testing Services: Friction and texture testing on HMA surfaces (four samples) prepared with candidate polish-resistant aggregate (PRA) was performed for an Indiana contractor.

Research: A SAC meeting was held to update the NDOT sponsors on findings observed with the HFST epoxies studied thus far. Since no delamination was observed after F/T cycling of old field cores either, it was decided to discontinue this aspect of the research and focus solely on slab polishing (heated). Evaluation pavement marking material on concrete surfaces is on-going, in collaboration with Construction Management Technology (CMT) department.

Technology Transfer: Paper on soil-cements modification was accepted for presentation only at TRB 2023. During this quarter, there were 440 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 May 2023 for ASTM International, for visiting team of engineers from Côte d'Ivoire. The scope was expanded to include another team later this summer, who will be coming from Nepal.

Communication: Presentation at TRB 2023.

Third Party Lab and Testing Services: Extraction and recovery of RAP samples from VT contractor are expected.

Research: Continue friction and texture testing of pavement marking materials for INDOT and HFST epoxies for NDOT.

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