

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: _____ 7-10-2013 _____

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(021)	Transportation Pooled Fund Program - Report Period: <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input checked="" 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: 765/463-2532 x 248	E-Mail: tnantung@indot.in.gov
Lead Agency Project ID: TPF-5(021)	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 is reported below in terms of the major areas of activity as directed/approved by the Steering Committee.

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: No training was planned for this quarter.

Communication: The NCSC will be switching to electronic only distribution for future newsletters, so efforts are continuing to update the database of email addresses. Work will begin on the next joint newsletter with the Southeast Superpave Center next quarter. Information requests are processed as they arrive; about 20-25 per month are received. Routine updates to the website were also posted.

Third Party Lab and Testing Services: Work continued on proficiency testing and maintenance of AMRL accreditation records. Testing was completed on samples of RAP from a Vermont contractor and plant-produced mixtures with RAP and a rejuvenator.

Research: Work continued on projects entitled *Optimizing Laboratory Mixture Design as it Relates to Field Compaction in Order to Improve Hot-Mix Asphalt Durability*, including construction and sampling of a field test section. Testing of the samples is underway. The draft final report for *Risk Management of Low Void Content Asphalt Mixtures* was submitted and review comments are expected very early next quarter; the comments will be addressed as soon as received and the final report will be published. The Task 4 report for *Hot Mix Asphalt Surface Characteristics Related to Ride, Texture, Friction, Noise and Durability* was submitted to the Minnesota DOT and a conference call held to discuss it. The report will be revised next quarter and work will begin on Task 5. Work on NCHRP Synthesis 44-04 on *Pavement Patching Practices* continued; a panel meeting was held to review the first draft of the report. A response rate of over 94% has been achieved on the US state surveys. A new proposal was drafted on a study for INDOT entitled *Analysis of the MSCR Asphalt Binder Test and Specifications for Use in Indiana* and a SAC meeting was held. The proposal will be submitted for funding in August.

Technology Transfer: Work is beginning on planning the 2014 North Central Asphalt User Producer Group (NCAUPG) Annual Technical Conference. The NCSC staff is organizing the 2013 meeting of the Multi-State Regional Training and Certification Group (M-TRAC) to be held in Indianapolis on July 31-August 1. The technical director led the meetings of the Association of Asphalt Paving Technologists and the Long Term Pavement Performance (LTPP) Special Activities Expert Task Group; participated in meetings of the TRB Committee on General Issues in Asphalt Technology, the LTPP Oversight Committee and ASTM Road and Paving Materials committee.

Anticipated work next quarter:

Training: No training is currently planned.

Communication: Updates to the NCSC and NCAUPG websites will be posted. Information requests will be answered as received.

Third Party Lab and Testing Services: Third party testing will be performed as needed. Work will continue on maintaining the AMRL accreditation.

Research: Work will continue as planned on the research projects. New research needs will be identified and proposals prepared as appropriate.

Technology Transfer: The Technical Director will chair the next meeting of the Long Term Pavement Performance (LTPP) Committee on Special Activities and participate in the meeting of the LTPP Oversight Committee. She will attend and host the M-TRAC meeting. She will accept speaking offers as appropriate.

Significant Results:

Readership reports for the published research reports shows that they have been downloaded over 2000 times.

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).

A small staff and difficulties in finding qualified graduate students interested in asphalt make completion of some of the work quite challenging.

Potential Implementation:

Research results are considered individually for possible implementation by the states as they become available. Some specification changes have already been made based on recent research projects at the NCSC. The new Indiana Test Method for screening aggregates for asphalt surfaces was shared with other states in the region at the North Central Asphalt User Producer Group meeting.