TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT):	Federal Highw	vay Administration (FHW	/A)	
INSTRUCTIONS: Project Managers and/or research project inve- quarter during which the projects are active. I each task that is defined in the proposal; a pe the current status, including accomplishments during this period.	Please provide rcentage comp	a project schedule state pletion of each task; a co	us of the research ac oncise discussion (2 o	tivities tied to or 3 sentences) of
Transportation Pooled Fund Program Project # (i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX) TPF-5(178)		Transportation Pooled Fund Program - Report Peri ☐ Quarter 1 (January 1 – March 31) ☑ Quarter 2 (April 1 – June 30) ☐ Quarter 3 (July 1 – September 30) ☐ Quarter 4 (October 1 – December 31)		Year:
Project Title:				
Implementation of the Asphalt N	Mixture Perforn	nance Tester (AMPT) fo	r Superpave Validation	on
Name of Project Manager(s):	Phone Number:		E-Mail	
Jeff Withee	202-366-6429		jeff.withee@dot.gov	
Lead Agency Project ID:	Other Project ID (i.e., contract #):		Project Start Date: September 2008	
Original Project End Date:	Current Project End Date:		Number of Extensions:	
September 2011	December 2015			
Project schedule status: ☐ On schedule ☑ On revised sched Overall Project Statistics:	ule 🗆	Ahead of schedule	☐ Behind sche	dule
Total Project Budget	Total Cos	t to Date for Project	Percentage of	f Work
.,,			Completed t	
\$3,952,940	\$	2,991,292	76%	
Quarterly Project Statistics:				
Total Project Expenses	Total Amount of Funds		Total Percentage of	

\$0

93%

0%

Project Description:
This pooled fund study is open to any highway agency interested in using simple performance tests to aid in material characterization for design and analysis of flexible pavements. The objectives of this pooled fund study are to:
1) Nationally procure the AMPT for highway agencies interested in obtaining and using the AMPT to characterize asphalt mixtures designed using Superpave technology
2) Provide support in training technicians to use the AMPT to perform the proposed standard practices for measuring dynamic modulus, flow number, and flow time of asphalt mixtures compacted using the Superpave Gyratory Compactor (SGC)
3) Advance the nation-wide implementation and use of the AMPT for assessing performance of asphalt mixtures over a wide range of climatic conditions, materials, and structures.
Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):
- Work on implementation phase activities continued through a cooperative agreement between FHWA and the Asphalt Institute.
+ Specimen Fabrication Ruggedness Study: Work continued on final report. + Fatigue Testing Study: Work continued on final report.

- Work on the implementation support activities will continue with the Asphalt Institute. Details for the next quarter are listed after each activity. + Specimen Fabrication Ruggedness Study: Final work is done and a final report will be developed. + Fatigue Testing Study: Final data analysis will be completed with a report pending.

Significant Results:

- A total of 57 technicians and engineers from pooled fund participating agencies and 82 overall have been trained on the Asphalt Mixture Performance Tester through NHI Course # 131118.
- Twenty-nine (29) AMPTs have been ordered, delivered, and installed for pooled fund participant agencies.
- The National Pooled-Fund Workshop on the AMPT brought together over 70 members of the AMPT user community representing state DOTs, consultants, equipment vendors, universities, and FHWA to share best practices and identify future AMPT implementation needs.
- A synthesis report titled "Use of AMPT for Characterizing Asphalt Material Inputs for Pavement ME Design Implementation" was completed to document best practices. (NCAT Report 13-04)
- The AMPT Pooled-Fund Interlaboratory Study was completed and a final report on testing variability and investigation of air void effects is available. (NCAT Report 14-01)
- A report titled "Comparing Friction Reducers for Use in AMPT Testing" recommends allowing spray silicone for fabricating greased latex friction reducers for use in AMPT testing. (NCAT Report 15-01)

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:			
The AMPT evaluates asphalt mixture properties to assess potential performance. Transportation agencies can use the AMPT to: develop inputs for the structural design of flexible pavements, evaluate new asphalt mixtures including warm mix asphalt (WMA), high reclaimed asphalt pavement (RAP) mixes, and recycled asphalt shingles (RAS) mixes, and obtain information helpful in monitoring asphalt mixes and performing quality assurance.			