

# TPF-5(178) Implementation of the Asphalt Mixture Performance Tester (AMPT) for Superpave Validation

## Report for Quarter Ending September 30, 2010

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### Summary of Progress

- ✓ The FHWA Office of Pavement Technology completed work with FHWA's Office of Acquisition Management to finalize offers to procure AMPT equipment for pooled fund participants. The orders for the first round of equipment purchases were made in August 2010.
- ✓ Four AMPTs were ordered through the FHWA equipment acquisition and three were delivered (to NH, GA, and FHWA.) Delivery of the fourth AMPT to WY is expected next quarter.
- ✓ The training course has been updated based on comments and input from the pilot training and other reviews.
- ✓ FHWA, twenty-one states, and the Ministry of Transportation in Ontario, Canada have committed over \$2 million to participate in this study. *The study is on-going and participants are welcome to join at any time.*
- ✓ Three partner States (FL, UT, and VA) are not purchasing the equipment as part of this study since they already own one or more AMPTs. However, they are contributing a reduced amount (\$30,000) to the study to benefit from the National Training Course and participate in experimental studies.
- ✓ One state, CT, has committed an additional \$75,000 to the study in order to purchase two AMPTs.
- ✓ FHWA, AL, CO, CT, FL, GA, IL, KS, ME, MD, NH, NJ, NY, NC, Ontario, MOT, OR, PA, TN, UT, VA, WI and WY have already transferred a portion or all of their funds totaling \$1,645,000 to the study.
- ✓ Continuum Fatigue Damage hardware and software is available as an option on the AMPT equipment. It was decided not to pursue this option for the AMPT pooled fund purchase at this time due to the fact that it is still very early in the research stage.

## **Planned Activities**

### **Next Quarter (October through December 2010):**

- Study partners should continue to transfer their 2010 & 2011 funding commitments to the lead agency, FHWA.
- The first offering of the AMPT National Training Course is scheduled for November 2-3, 2010.
- Delivery of an AMPT to WY and onsite equipment setup and training by the manufacturers is being scheduled for the delivered AMPTs.

### **Future Activities:**

- AMPT equipment will continue to be ordered and delivered to study participants into 2011.
- The AMPT National Training Course will also be offered at different dates to coincide with pooled fund participant's equipment delivery.

## **Problems Encountered**

Additional dates for the AMPT National Training Course are being revised due to scheduling conflicts.