

## TPF-5(063) “Improving the Quality of Pavement Profiler Measurement”

### First Quarter Update for FY 2004

There are now 18 State Highway Agencies that have joined the study and we are at a four-year commitment level of \$1.397M!! The study partners are CO, CA, CT, GA, IL, KS, MS, OH, PA, SD, ND, TX, WI, OK, NY, NJ, KY, FL, the FHWA LTPP, and FHWA Eastern Federal Lands Highway Division.

The group decided to tailgate our second meeting onto the end of the 15<sup>th</sup> Annual RPUG Meeting held in Austin, TX. We met October 29<sup>th</sup> and 30<sup>th</sup>.

Attending the second meeting were:

Agency	Technical Contact
California DOT	Peter Vacura
Colorado DOT	Eric Prieve
FHWA EFLHD	Laurin Linemen
FHWA Resource Center	Robert Orthmeyer
FHWA WFLHD	Bruce Wasill
Florida DOT	Abdenour Nazef
Georgia DOT	Lanka Santha
Illinois DOT	LaDonna R. Rowden
Kansas DOT	Bill Parcels
Kentucky TC	John Dade
Mississippi DOT	James C. Watkins
New Jersey DOT	Joseph Beke
New York DOT	Chad Corbett
North Dakota DOT	Bryon L. Fuchs
Ohio DOT	Brian Schleppe
Oklahoma DOT	Gary Williams
South Dakota DOT	David Huft
Texas DOT	Amitis Meshkani
Wisconsin DOT	Nick Heintz

Pennsylvania and Connecticut were unable to attend due to schedule conflicts and travel restrictions.

The following list of priorities was reviewed and was voted to remain the same:

1. Reference Profile Device (development of)
2. Critical Profile Accuracy Requirements (definition)
3. Construction Acceptance and Correction Software (acquisition of existing)
4. Certification / Validation Sites
5. Evaluating Upper Limits of Single Accelerometer and Single Height Sensor
6. Emerging Technology That Enhances Profile Measurement

7. Portable Validation Device Feasibility
8. Lightweight Profilers Unique Problems
9. Portable Validation Device Implementation

A web site has been developed to manage all of the pooled fund study proposals, solicitations and projects. The TPF-5(063) Profiler Quality study can be found at: <http://www.pooledfund.org/projectdetails.asp?id=280&status=4>.

The meeting participants reviewed solicitations for priority two and priority three:

- Acquisition of existing “bump locator and grinder simulation” software (priority 3),
- Defining the Critical Profile Accuracy Requirements (task order by 2<sup>nd</sup> week of Oct.) and,
- Development of a Reference Profile Device.

The “Defining of Critical Profile Accuracy Requirements” (priority two) project was issued to the University of Michigan Transportation Research Institute (UMTRI) with the Principal Investigators to be Tom Gillespie and Chris Winkler with Steve Karamihas as the primary analyst. Bruce Wasil, FHWA WFLHD, is serving as the COTR for the \$98,000 study. The report is to be completed by November 2004.

A Sources Sought Notice For the Bump Finder Project (DTFH61-04-R-00002) was published in the Federal Business Opportunities with responses due by November 5, 2003. Four responses were received. A sole source procurement will be used to acquire existing bumpfinder software and incorporate it into the ProVAL software.

The study participants selected Mr. Brian Schleppe, ODOT as the Chairperson and Mr. John Dade, KYTC, as the Vice-Chair.

It was reported that the FHWA has contracted with UMTRI to conduct the “Mother of All Profiler Round-ups”. This will be held during the first full week of April 2004 at the Virginia Smart Road and then to the Pennsylvania calibration site. All State Highway Agencies and vendors are encouraged to participate. The study is not able to fund travel for participating agencies.

Our next meeting is tentatively scheduled during the first part of June in Chicago near the O’Hare airport.

For any questions, please contact Robert Orthmeyer, Pooled Fund Study Manager, by phone at (708) 283-3533 or by email at: [robert.orthmeyer@fhwa.dot.gov](mailto:robert.orthmeyer@fhwa.dot.gov).