

Virginia Transportation Research Council Contract/Grant Progress Report

Project No: <u>07-0219-07</u>	Starting Date: <u>7/1/06</u>	Target Completion Date: <u>6/30/11</u>
Project Title: <u>Consortium for Pavement Surface Properties</u>		
Performing Agency: <u>Virginia Tech</u>		
Principal Investigator(s): <u>Gerardo Flintsch</u>		
Date of This Report: <u>8/31/08</u>	Next Report Due Date: <u>11/31/08</u>	

Project Description

The main objective of the project is to establish a research program focused on enhancing the level of service provided by the roadway transportation system by optimizing pavement surface texture characteristics.

Research Activities Pursued This Period (Including Tasks):

- Continued with the seasonal monitoring of the Smart Road pavement surfaces.
- Continued the field evaluation of the selected high-friction pavement surfaces (HFS).
- Developed Guidelines for the Griptester loan program and planned the first two loans.
- Met with FHWA representatives to provide an update on the program and conduct a short Griptester demonstration.
- Completed the analysis of the skid measurements from the 2nd Annual Equipment Rodeo.
- Completed the proof-of-concept evaluation of the stationary macrotexture stereo vision system.
- Prepared two technical papers covering the development of the stereo vision system and the applicability of the International Friction Index.

Problems Encountered:

- Someone broke into the research vehicle and stole the computers for DFTester and CTMeter while traveling to Connecticut; this delayed the evaluation of the HFS.

Activities Planned for Next Period:

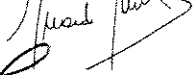
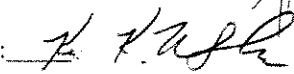
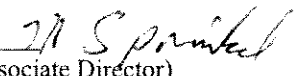
- Complete the seasonal monitoring of the Smart Road pavement surfaces.
- Complete the field evaluation of the selected high-friction pavement surfaces (HFS).
- Complete the analysis of the smoothness data from the 2nd Annual Equipment Rodeo.
- Loan the Griptester to two Departments of Transportation (Oregon and Minnesota)
- Prepare a report for the 2nd Annual Equipment Rodeo.

Budget Status:

Current FY Project Budget: \$ \$164,895 (including cost share)	Project Budget Lifetime: \$ 785,073
Current FY Expenditures: \$ 51,356 as of 8/31/08	Expenditures LTD: \$ 307,219
Percent Expended this FY: 31% (Date)	Percent Expended LTD: 39%

Timetable: Project is (check):

- On Schedule
- Behind Schedule * (explain above) [fixed-slip continuous friction measurement equipment task only]
- Ahead of Schedule

Preparer's Name and Signature: Gerardo Flintsch 	Date: <u>11/10/08</u>
VTRC Staff Technical Monitor: 	Date: <u>11/13/08</u>
Reviewed and Approved By:  (VTRC Associate Director)	Date: <u>11-12-08</u>

Review Comments: (To be completed by Research Director and Returned to Research Manager)