

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>11/31/08</u>	Next Report Due Date: <u>2/28/09</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):

- Completed the seasonal monitoring of the Smart Road pavement surfaces.
- Completed the field evaluation of the selected high-friction pavement surfaces (HFS).
- Completed the analysis of the smoothness data from the 2nd Annual Equipment Rodeo.
- Initiated the Griptester loan program, which was sent to Oregon and Minnesota. VTTI personnel delivered the equipment and provided training to the designated staff.
- Presented two technical papers at the 6th Symposium on Pavement Surface Characteristics (SURF 2008) in Portoroz, Slovenia.
- Participated in the RPUG Meeting in Austin, Texas, and delivered a technical presentation on the initial implementation of the International Friction Index.
- Finalized a Draft Report for the 2nd Annual Equipment Rodeo.

Problems Encountered:

- While performing training with the Griptester at MNRoad, the Bluetooth technology was malfunctioning due to wireless interference signals coming from the interstate. The problem was solved using a direct connect cable obtained from the manufacturer.

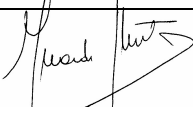
Activities Planned for Next Period:

- Finalize a Report for the field evaluation of the high-friction pavement surfaces.
- Initiate the work to mount the macrotexture stereo vision system on a vehicle.
- Present two technical papers at the 88th Annual Meeting of the Transportation Research Board.
- Loan the Griptester to two additional Departments of Transportation.
- Order a second Griptester for the Loan Program.
- Plan the 2009 Annual Equipment Rodeo

Budget Status:	
Current FY Project Budget: \$ 297,662 (including cost share)	Project Budget Lifetime: \$ 1,070,465.00
Current FY Expenditures: \$ 122,476 as of 11/31/08	Expenditures LTD: \$ 240,931
Percent Expended this FY: 41%	Percent Expended LTD: 23%

Timetable: Project is (check):

On Schedule	<input checked="" type="checkbox"/>	
Behind Schedule *	<input type="checkbox"/>	(explain above) [fixed-slip continuous friction
Ahead of Schedule	<input type="checkbox"/>	measurement equipment task only]

Preparer's Name and Signature: Gerardo Flintsch 	Date: <u>12/15/08</u>
VTRC Staff Technical Monitor: _____	Date: _____
Reviewed and Approved By: _____ (VTRC Associate Director)	Date: _____

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