

**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>8/30/07</u>	Next Report Due Date: <u>11/31/07</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):

- Processed the Friction data from the rodeo and started a report.
- Continued with the seasonal monitoring of the various pavement surfaces.
- Prepared a work program for the evaluation fixed-slip continuous friction measurement equipment and the administration of a “Loan Program” (funded with an additional contribution from FHWA).
- Prepared a work program for the evaluation of digital stereo vision equipment for measuring pavement Macrotexture (funded with an additional contribution from FHWA).
- Established an agreement MaGaNa Instruments Inc. to obtain a DSRM on loan for 3 months for evaluating its suitability to measure pavement macrotexture. Data collection was started
- Defined the scope and prepared a draft work programs for additional project proposed by FHWA for evaluating high-friction pavement surfaces (with additional funding).

Problems Encountered:

- The acquisition of the fixed-slip continuous friction measurement equipment has been delayed because a complete quote has not been received from the provider. A Griptester has been delivered but the data acquisition software and water supply system is not yet available.

Activities Planned for Next Period:

- Complete the analysis of the profile data collected at the first consortium equipment rodeo.
- Complete the report on the first consortium equipment rodeo.
- Continue with the seasonal monitoring of the various pavement surfaces and new technology evaluation efforts.
- Start the field evaluation of the fixed-slip continuous friction measurement equipment.

Budget Status:

Current FY Project Budget: \$ 164,846 (including cost share)	Project Budget Lifetime: \$ 785,073
Current FY Expenditures: \$ 21,282 as of 07/31/07	Expenditures LTD: \$ 117,176
Percent Expended this FY: 13% (Date)	Percent Expended LTD: 15%

Timetable: Project is (check):

On Schedule	<input checked="" type="checkbox"/>
Behind Schedule *	<input type="checkbox"/> (explain above)
Ahead of Schedule	<input type="checkbox"/>

Preparer's Signature: 	Date: <u>08/31/07</u>
Approved By: _____ (Research Manager)	Date: _____

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