

**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>2/28/07</u>	Next Report Due Date: <u>5/31/07</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):

- Developed research plan for *seasonal monitoring* activity (attached)
 - As of the end of February, two rounds of seasonal testing have been completed
- Developed research plan for annual equipment rodeo (attached)
- Developed research plan for identifying and evaluating emerging technologies (attached)
 - Research plan includes several promising technologies with commercial suppliers. Researchers are contacting manufacturers to explore further testing.
 - Splash/spray quantification identified as another potential technology. Although this technology has a “history,” there are no known commercial suppliers.

Problems Encountered:

- No problems have been encountered to date

Activities Planned for Next Period:

- The Smart Road has been reserved for the week of May 28 through June 1st. Equipment rodeo and Technical Advisory Committee meeting planned for late week.
- The research team will continue to develop shortlist of emerging technologies and contact commercial suppliers or develop specs/cost estimates for custom production. TAC will be consulted regarding warranted purchase/fabrication/development.
- Seasonal monitoring testing will continue as per the research plan.

Budget Status:

Current FY Project Budget: \$ 162,823 (including cost share)	Project Budget Lifetime: \$ 785,073
Current FY Expenditures: \$ 54,728 as of 01/31/07	Expenditures LTD: \$ 54,728
Percent Expended this FY: 34% (Date)	Percent Expended LTD: 7%

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>2/28/07</u>
Approved By: _____ (Research Manager)	Date: _____

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