

## Virginia Transportation Research Council Contract/Grant Progress Report

|   |   |   |
|---|---|---|
| <b>Project No:</b> <u>07-0219-07</u>                                    | <b>Starting Date:</b> <u>7/1/06</u>         | <b>Target Completion Date:</b> <u>6/30/11</u> |
| <b>Project Title:</b> <u>Consortium for Pavement Surface Properties</u> |   |   |
| <b>Performing Agency:</b> <u>Virginia Tech</u>                          |   |   |
| <b>Principal Investigator(s):</b> <u>Gerardo Flintsch</u>               |   |   |
| <b>Date of This Report:</b> <u>5/31/08</u>                              | <b>Next Report Due Date:</b> <u>8/31/08</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.
- Selected four types of high-friction pavement surfaces (HFS) to be studied and identified locations to be evaluated.
- Prepared an experimental program to collect available data and test the HFS.
- Evaluated three of the selected HFS locations.
- Participated in the 2008 NASA Wallops Tire/Runway Friction Workshop.
- Received the fixed-slip continuous friction measurement equipment (Griptester) and conducted a preliminary field evaluation at the Wallops Flight Facility and at the Smart Road.
- Planned and hosted the 2<sup>nd</sup> Annual Equipment Rodeo.
- Hosted the 2<sup>nd</sup> Technical Advisory Committee (TAC) meeting in Blacksburg, VA

**Problems Encountered:**

**Activities Planned for Next Period:**

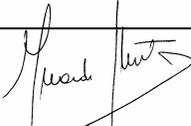
- Continue with the seasonal monitoring of the Smart Road pavement surfaces.
- Continue with field evaluation of the fixed-slip continuous friction measurement equipment.
- Initiate the loan program and loan the Griptester it to at least one agency
- Complete the field evaluation of the selected locations for the HFS study.
- Analyze the results for the 2<sup>nd</sup> Annual Equipment Rodeo.
- Prepare research plans for the new projects recommended by the TAC

**Budget Status:**

|  |                                     |
|--|-------------------------------------|
| Current FY Project Budget: \$ 164,846 (including cost share) | Project Budget Lifetime: \$ 785,073 |
| Current FY Expenditures: \$ 151,746 as of 5/31/08            | Expenditures LTD: \$ 247,641        |
| Percent Expended this FY: 92%                                | Percent Expended LTD: 31%           |

**Timetable:** Project is (check):

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

|  |                       |
|--|-----------------------|
| Preparer's Name and Signature: Gerardo Flintsch  | Date: <u>06/12/08</u> |
| VTRC Staff Technical Monitor: _____  | Date: _____           |
| Reviewed and Approved By: _____<br>(VTRC Associate Director)   | Date: _____           |

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