

## State Planning and Research Program Quarterly Report

**PROJECT TITLE:** TPF-5 (129) Recycled Unbound Pavement Materials

**OBJECTIVES:** To investigate the use of recycled materials in constructing unbound pavement layer. To identify the critical material properties of these recycled materials (strength, stiffness, drainage, volume changes, unsaturated properties, etc.) and develop a testing protocol that can accurately predict pavement performance. To determine what, if any, environmental concerns there may be surrounding the use of these recycled materials.

**PERIOD COVERED:**

July 07– September 07

**PARTICIPATING AGENCIES:**

Minnesota, Texas, Ohio, Wisconsin, Michigan, California

**PROJECT MANAGER:**

Nancy Whiting  
Benjamin Worel

**SP&R PROJECT NO:**

TPF-5 (129)

**PROJECT IS:**

Planning  
 Research &  
Development

**LEAD AGENCY:**

Mn/DOT

**PRINCIPAL INVESTIGATOR:**

To be determined

**ANNUAL BUDGET:**

\$390,000 for 5 years

**PROJECT EXPENDITURES TO DATE:**

Travel Costs for designated state representative for the June 30, 2007 TAP meeting held in Minnesota.

**WORK COMPLETED:** TAP Meetings: Telephone conference Aug. 1, 2007 with full TAP and potential PIs

The design and strategy for instrumentation for MnROAD cells related to this project have been finalized.

A research team was selected and asked to put together a detailed work plan. The work plan was reviewed by TAP members and comments and questions collected. The Project Managers discussed the strengths, weaknesses and concerns of the work plan with the PI in a telephone conference call late September. The PI and his research team are revising the work plan per that discussion and adding details.

**SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:**

1. A revised, detailed work plan will be finalized.
2. A contract will be established with the selected PI/Consultant/Research Group for this project
3. The next full TAP meeting that includes the PI will be organized.

**STATUS AND COMPLETION DATE:**

1. The detailed work plan will be revised by the PI and submitted by late Oct.
2. The work plan review will continue via telephone conferences and e-mails, to be finalized by mid-Nov.
3. A contract with the selected Research team will be initiated by late-Nov.
4. The next full TAP meeting will be organized as soon as the contract is in place.