

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: Geocomposite Capillary Barrier Drain (GCBD)

OBJECTIVES:

Continue analysis of data from the sensors of the GCBD Research project at the MnROAD site, and begin final draft report.

1st Quarter 2008 Report (January-March, 2008)

PERIOD COVERED: January-March, 2008

PARTICIPATING AGENCIES: Minnesota Department Of Transportation, Michigan Department Of Transportation, New York Department Of Transportation, CRREL, University of New Mexico

PROJECT MANAGER:

Andrew Eller

SP&R PROJECT NO:

TPF 5(126)

PROJECT IS:

Planning
 Research & Development

LEAD AGENCY:

Minnesota Dept. of Transportation

PRINCIPAL INVESTIGATOR:

John Stormont, Karen Henry

ANNUAL BUDGET:

A majority of the budget covered the 2006 construction. Year two will be significantly less.

1st year ~ 225,000

2nd year ~ 30,000

PROJECT EXPENDITURES TO DATE: \$237,699.83

Construction

HardDrives Inc. 179,244.20

Supplies/Instrumentation

Tenex (geonet) 7,763.16

Campbell(sensors) 17,844.59

Decagon (sensors) 5,705.09

Misc. equipment./expenses 740.18

Salaries

District 3:Design 5,247.72

GCBD material prep & assembly,
(Student worker salary, etc) 4,580.96

Travel/Misc

MI 645.21

NY 928.72

CRREL contract

FWD analysis 15,000

WORK COMPLETED:

Data collection and monitor operation of the sensors. FWD back calculation of pavement modulus. Continued analysis of in-situ sensors and FWD deflection basins. CRREL contract signed.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

Review draft of final report. Data collection will continue until the end of the project, and into 2009.

STATUS AND COMPLETION DATE:

Data collection is complete, with continued monitoring for any additional data that might assist with analysis. Final report completed by 7/2008.