

State Planning and Research Program Quarterly Report

PROJECT TITLE: Geocomposite Capillary Barrier Drain (GCBD)

OBJECTIVES:

Monitor and collect data from the sensors of the GCBD Research project at the MnROAD site.
3rd Quarter 2006 Report (July-September, 2006)

PERIOD COVERED: July-September, 2006

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:

Andrew Eller, 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: \$114,109.72

Construction

HardDrives Inc.	70,859.89
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Supplies/Instrumentation

Tenex (geonet)	7,763.16
Campbell(sensors)	17,844.59
Decagon (sensors)	5,705.09
Misc. equipment.	740.18

Salaries

District 3:Design	5,247.72
GCBD material prep & assembly, (Student worker salary, etc)	4,375.16

Travel/Misc

MI	645.21
NY	928.72

WORK COMPLETED:

July 2006: Construct Cells 27 and 28 in the low volume road at MnROAD.

August 2006: Paving of Cells 27 and 28.

September 2006: Planning for wiring and datalogger initiation.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Wiring all sensors
- Troubleshooting datalogger programs
- Data collection and initial summary
- Start routine pavement testing

STATUS AND COMPLETION DATE:

Barring any major issues with sensor wiring or the dataloggers, data collection will begin. Mn/DOT will begin pavement testing and observation as well. Data collection will be completed in 7/2008.