

State Planning and Research Program Quarterly Report

PROJECT TITLE: Geocomposite Capillary Barrier Drain (GCBD)

OBJECTIVES:

Construction of the GCBD Research project at the MnROAD site.
(July-August, 2006)

<http://www.mrr.dot.state.mn.us/research/construction/2006geocomposite.asp>

for project updates

PERIOD COVERED: May 2006 – July 2006

PARTICIPATING AGENCIES:

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

PROJECT MANAGER: Ruth Roberson

LEAD AGENCY: Minnesota Department of Transportation

PRINCIPAL INVESTIGATOR:

Ruth Roberson, John Stormont, Karen Henry

SP&R PROJECT NO:
TPF 5(126)

PROJECT IS:

Planning
 Research & Development

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: \$221,550

Construction

HardDrive Inc. 175,000.00

Supplies/Instrumentation

Amatex 11,800.00
Tenex (geonet) 7,885.52
Campbell(sensors) 16,263.00
Decagon (sensors) 5,555.09

Salaries

District 3:Design 5,247.70

Travel/Misc

MI 9000
NY 9000

WORK COMPLETED:

http://www.mrr.dot.state.mn.us/research/construction/2006geocomposite_Updates.asp

July 1-31, 2006

- Excavation of existing subgrade
- Placing clay barrow
- Prefabrication of pipe segments.
- Test and Control Sections constructed at MnROAD.
- Instrumentation installed
- Drainage trench cut
- Compacting the trench and placing the pipe
- Placing Tenax Tendrain
- Rolling out the Transport Layer
- Placing the Class 5 Aggregate Base

August 7, 2006

- Paving

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:

Project is On schedule and expected to be complete January 2007 .