State Planning and Research Program Quarterly Report PROJECT TITLE: Geocomposite Capillary Barrier Drain (GCBD)		
PERIOD COVERED: July-September, 2007		
PARTICIPATING AGENCIES: Minnesota Department Of Transportation, Michigan Department Of Transportation, New York Department Of Transportation, CRREL, University of New Mexico		
PROJECT MANAGER:	SP&R PROJECT NO:	PROJECT IS:
Andrew Eller	TPF 5(126)	
		Planning
LEAD AGENCY:		X Research & Development
Minnesota Dept. of Transportation		
PRINCIPAL INVESTIGATOR: John Stormont, Karen Henry		
ANNUAL BUDGET:	DDATECT EVDENDITTIDES TO DATE. \$222 400 92	
Annual Budget: A majority of the budget covered the 2006	PROJECT EXPENDITURES TO DATE: \$222,699.83 Construction	
construction. Year two will be significantly	HardDrives Inc.	179,244.20
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	Supplies/Instrumentation	
1^{st} year ~ 225,000	Tenex (geonet)	7,763.16
2^{nd} year ~ 30,000	Campbell(sensors)	17,844.59
	Decagon (sensors)	5,705.09
	Misc. equipment./expenses	740.18
	Salaries	
	District 3:Design	5,247.72

WORK COMPLETED:

Data collection and monitoring operation of the sensors. Forensic investigation on cell 28 structural failure and bituminous patch of damaged portion. Moisture samples taken to calibrate/verify TDR and ECH $_2$ O sensor readings.

Travel/Misc

MΙ

NY

GCBD material prep & assembly,

(Student worker salary, etc)

4,580.96

645.21

928.72

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

Monitor operation of TDR, heat dissipation, ECH₂O, tipping buckets, thermocouples, open standpipes with pressure transducers, and resistivity probes; and collect data for analysis.

STATUS AND COMPLETION DATE:

Data collection is ongoing, with completion of data collection and report completed by 7/2008.