

State of Wisconsin/Department of Transportation
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: Dec. 30, 2006

Program: SPR-0010(36) FFY99		Part: II Research and Development	
Project Title: Investigation of Vertical Members To Resist Surficial Slope Instabilities		Project ID: 0092-05-09	
Administrative Contact: Nina McLawhorn		Sponsor: WisDOT/WHRP	
WisDOT Technical Contact: Bob Arndorfer		Approved Starting Date: Nov 4, 2004	
Approved by COR/Steering Committee: \$29,714		Approved Ending Date: February 7, 2007	
Project Investigator (agency & contact): Hani Titi: UW-Milwaukee			

Percent Complete: 85%

Project Description:

- The study will be conducted over 18 months, and be completed in 5 phases:
- Task 1: Conduct a Comprehensive Literature Search and Review of Methods for Stabilizing Surficial Slope Failures Using In-Situ Short Structural Members
 - Task 2: Conduct a National Survey to Obtain Information/Data on Methods of Stabilizing Surficial Slope Failures Using In-Situ Short Structural Members
 - Task 3: Synthesize the Literature Materials on Methods of Stabilizing Surficial Slope Failures Using In-Situ Short Structural Members
 - Task 4: Conduct Cost-Benefit Analysis of Methods that have Potential Implementation for Stabilizing Surficial Slope Failures in Wisconsin
 - Task 5: Conduct Comprehensive Slope Stability Analysis using Wisconsin Data to obtain Parameters for Methods of Stabilizing Surficial Slope Failures by In-Situ Short Structural Members
 - Task 6: Select Future Project for Implementation in Wisconsin
 - Task 7: Prepare and Submit Final Report

Progress This Quarter:

(Includes project committee mtgs, work plan status, contract status, significant progress, etc.)

1. Continued the literature search, review, and reduction of collected information
2. Continued synthesizing literature information and data
3. Started slope stability analysis with general Wisconsin soil geometry and parameters
4. Visited the site of failed slope in Burlington and obtained soils samples
5. Performed testing on collected soil
6. Started a draft of the final report

Work Next Quarter:

1. Submit a draft of the final report for review
2. Made a presentation to the project committee
3. Instrument the site of slope failure in Burlington and take periodical measurements of the soil movement (will be arranged with the project committee)

Circumstances Affecting Progress/Budget:

None