

State of Wisconsin/Department of Transportation
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: September 30, 2005

Program: SPR-0010(36) FFY99	Part: II Research and Development
Project Title: Investigation of Vertical Members To Resist Surficial Slope Instabilities	Project ID: 05-09
Administrative Contact: Nina McLawhorn	Sponsor: WHRP
WisDOT Technical Contact: Bob Arndorfer	Approved Starting Date: Nov 4, 2004
Approved by COR/Steering Committee: \$29,714	Approved Ending Date: June 4, 2006
Project Investigator (agency & contact): Hani Titi: UW-Milwaukee	

Percent Complete: 50%

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. Identified computer programs and started evaluating them
4. Started collecting cost data for cost benefit analysis

Work Next Quarter:

1. Continue literature review and collection. The TRB 2006 is a very good source of the latest research in this regard. The research team will attend the meetings and collect information and data pertaining to this subject
2. Communicate with WisDOT to identify project(s) for field investigation
3. Start preparing the draft of the final report

Circumstances Affecting Progress/Budget:

Non