

**State of Wisconsin/Department of Transportation**  
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: March 31, 2006

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

**Percent Complete: 65%**

**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. Contacted firms with special slope stability technology and collected information and data
2. Identified a list of geotechnical engineers in other state transportation agencies who are involved with slope failures
3. Visited the site of shallow slope failure in Milwaukee area
4. Continued the literature search, review, and reduction of collected information
5. Continued synthesizing literature information and data

**Work Next Quarter:**

1. Continue literature review and collection.
2. Obtain information/data on slope failure

**Circumstances Affecting Progress/Budget:**

Non