

Pooled Fund Project Status Report

October 1, 2003 Through December 31, 2003

<i>Project Title</i> SPR-3(072) Strength and Deformation of Mechanically Stabilized Earth (MSE) Walls at Working Loads and Failure		<i>Agmt./Task No.</i> SPR-3(072)	<i>Item No.</i>	<i>Agency Bgt. No.</i>
<i>Research Agency</i> Royal Military College of Canada		<i>Start Date</i> 12/1/99	<i>Estimated Completion</i> 04/30/04	<i>Revised Completion</i>
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<i>Funding Source</i> WA, NY, ID, CA, WY, ND, MN, OR, AZ, AK		<i>Schedule Status</i> <input checked="" type="checkbox"/> On schedule <input type="checkbox"/> Ahead of schedule <input type="checkbox"/> On revised schedule <input type="checkbox"/> Behind schedule		
<i>Research Area</i>				
<i>Original Estimated Cost</i> \$360,104	<i>Revised Cost</i> \$	<i>% Funds Expended</i> 98%	<i>% Work Completed</i> 98%	
<i>Objective</i> Develop a design procedure for the internal stability of MSE walls, especially those reinforced with fabrics.				

Project Progress:

The research team is working on test wall 11. An updated report was issued for the K-Stiffness method and work was started on a report that will serve as a design manual for the new method. This will be issued in the summer. This all relates to the first phase of the research, the focus of which is to develop this new design methodology for MSE walls with relatively high quality backfill (i.e., sands and gravels with minimal silt content).

A proposal is being written to build and test a series of walls with lower quality backfill. This is part of the continuation study that is still out for solicitation of participants.

New Period Proposed Activity:

The research team will complete the testing of wall 11 and will begin building and testing the walls for the continuation phase of the project using lower quality backfill materials.