

<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> 12/31/04
<i>Principal Investigator(s)</i> Richard Bathurst		<i>Technical Contact</i> Tony Allen (360) 709-5450		
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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> 100%	<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 first phase of this study is nearing completion. The research team is finishing the analysis of the data from the final wall built with the sand backfill. FLAK finite element modeling has been completed on all but the last wall. The LRFD calibration is progressing under the leadership of Tony Allen, WSDOT Chief Geotechnical Engineer.

New Period Proposed Activity:

The research team is planning to complete all of the reporting on the initial phase of the study that dealt with walls built with good quality backfill materials. The contract for the first series of testing using marginal soils for backfill will be initiated this quarter.