Project Title		Agmt./Task No.	Item No.	Agency Bgt. No.	
SPR-3(072) Strength and Deforma Stabilized Earth (MSE) Walls at W	•	SPR-3(072)			
Research Agency		Start Date	Estimated Completion	Revised Completion	
Royal Military College of Canada		12/1/99	04/30/04	12/31/08	
Principal Investigator(s)		Technical Contact			
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Funding Source		Schedule Status			
WA, NY, ID, CA, WY, ND, MN, OR, AZ, AK		On schedule On revised schedule			
Research Area					
0::15::16::	Revised Cost	% Funds Expe	nded %	Work Completed	
Original Estimated Cost					

## **Project Progress:**

Phases 1, 2, and 3 have been completed. A large database of full-scale geosynthetic walls (16 fully instrumented, full-scale geosynthetic walls and 14 walls with limited measurements) and 24 fully instrumented, full-scale steel reinforced wall sections were utilized to develop a new design methodology based on working stress principles, termed the K-Stiffness Method. This simplified design method has been described in three published papers and numerous journals, the most recent report can be found at: <a href="http://www.wsdot.wa.gov/biz/mats/Geotech/">http://www.wsdot.wa.gov/biz/mats/Geotech/</a>.

The proposal for Phases 5 and 6 have been submitted and reviewed by the TAC members. Work has been done to get the contract in place and signed so that work on Phase 5 can start this summer.

## **New Period Proposed Activity:**

The final report for Phase 4 will be completed and distributed. Also, the contract for the first series of testing using marginal soils for backfill (Phase 5) will be initiated this quarter.

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