Project Title		Agmt./Task No.	Item No.	Agency Bgt. No.
SPR-3(072) Strength and Deformation of Mechanically Stabilized Earth (MSE) Walls at Working Loads and Failure		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		
Richard Bathurst		Tony Allen (360) 709-5450		
WSDOT Program Manager		FHWA or Other Technical Contact		
Kim Willoughby (360) 705-7978		Sidney Stecker (360) 753-9555		
Funding Source		Schedule Status		
WA, NY, ID, CA, WY, ND, MN, OR, AZ, AK		□ On schedule □ Ahead of schedule ☑ On revised schedule □ Behind schedule		
Research Area				
Original Estimated Cost	Revised Cost	% Funds Exper	nded %	Work Completed
\$360,104	\$630,000	60%		75%
Objective				
Develop a design procedur with fabrics.	re for the internal stab	ility of MSE wall	s, especially those	e reinforced

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: <u>http://www.wsdot.wa.gov/biz/mats/Geotech/</u>.

Phase 5 has begun and Dr. Bathurst is searching for proper fill material. Construction of the new walls will most likely start in the spring of 2006.

New Period Proposed Activity:

Locate and purchase proper non-select fill material and begin construction.