Pooled Fund Project Status Report

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	
Principal Investigator(s)		Technical Contact		
Richard Bathurst		Tony Allen (360) 709-5450		
WSDOT Program Manager		FHWA or Other Technical Contact		
Keith W. Anderson		Sid Stecker (360) 753-9556		
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	\$	66%		75%
Objective				
Develop a design procedur with fabrics.	re for the internal stab	ility of MSE wall	s, especially those	e reinforced

Project Progress:

A total of 9 full-scale walls have been built and tested at the Royal Military College test facility. Analysis of the initial walls has led to the development of a simplified design method that has been described in three published papers which will be finalized next quarter.

New Period Proposed Activity:

The research team will build and test wall 10. The journal papers on the simplified design method will be finalized. A parametric study will be started using the FLAC finite element program and the model developed in this study. In addition, a test wall will be build on a WSDOT project this summer using the simplified design method. The contract for that project will be advertised this quarter.