



February 13, 2006

TO: Rosario Revilla/Adam Brown
Northwest Region, MS NB 82-75

FROM: *OA*
T. M. Allen/M. A. Frye
E&EP Geotechnical Division, 47365

SUBJECT: SR-90, MP 6.22 to 7.24, XL-2423
Two Way Transit & HOV Operations, Stage 1
Revised Recommendations for Seismic Design
Geotechnical Recommendations

We have provided design parameters for the Extreme Event Limit State for the "barrier walls" associated with the subject project in several technical memorandums. Barrier walls have an exposed height of a standard traffic barrier (less than 3 feet) and support slopes flatter than 2:1 (Horizontal:Vertical). These include Walls 6, 7, 8, 9, 10, 23, 34, 35, 27, 29, 30, 31, and portions of Wall 11. We have reevaluated the impacts of failure of a barrier wall under seismic loads. Barrier walls associated with this project do not need to be designed for seismic loading.

This memorandum revises information provided in the following memorandums:

SR-90, MP 6.22 to 7.24, XL-2423, Two Way Transit & HOV Operations, Stage 1, Retaining Walls 6, 7, 8, 9, and 10, Geotechnical Recommendations, dated November 22, 2005

SR-90, MP 6.22 to 7.24, XL-2423, Two Way Transit & HOV Operations, Stage 1, Retaining Walls 5 and 30, Geotechnical Recommendations, dated November 22, 2005

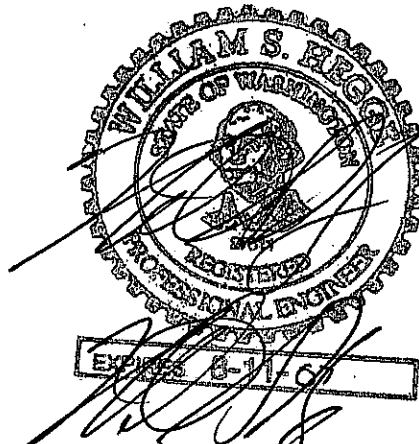
SR-90, MP 6.22 to 7.24, XL-2423, Two Way Transit & HOV Operations, Stage 1, Retaining Walls 21 through 25, Geotechnical Recommendations, dated December 8, 2005

SR-90, MP 6.22 to 7.24, XL-2423, Two Way Transit & HOV Operations, Stage 1, Retaining Walls 14, 27, 28, 29, and 31, Geotechnical Recommendations, dated January 18, 2005

If you have questions or require further information, please contact Tony Allen at (360) 709-5450 or Mark Frye at (360) 709-5469.



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