

Design of Narrow MSE Wall Systems

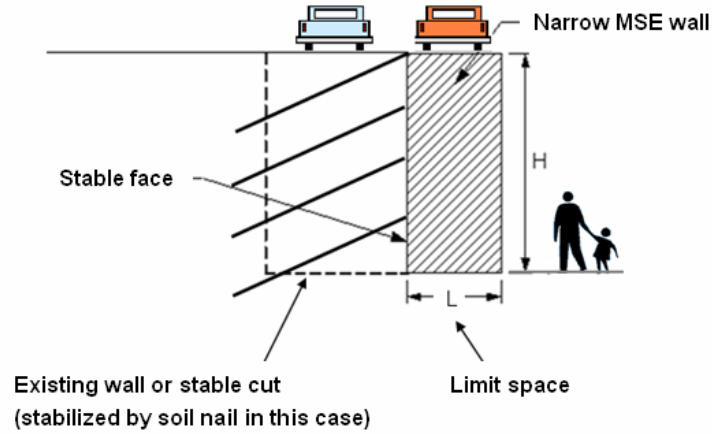


Figure 1: Illustration of a narrow MSE wall system

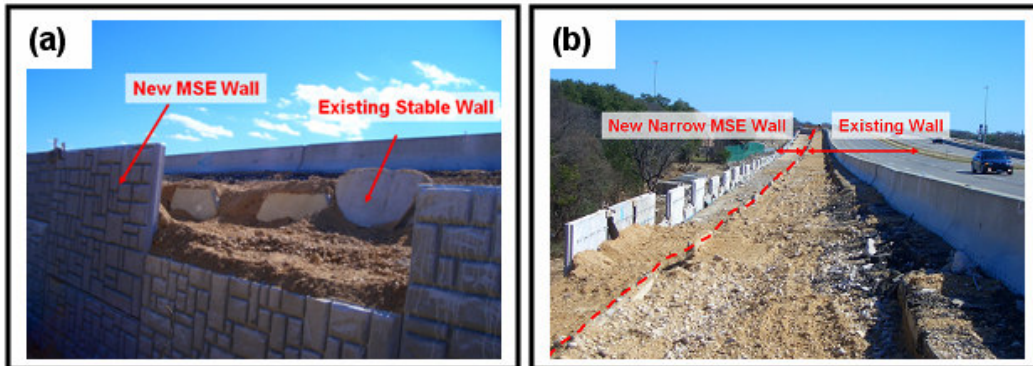


Figure 2: Construction of a narrow MSE wall for highway extension
(a) front view; (b) overview

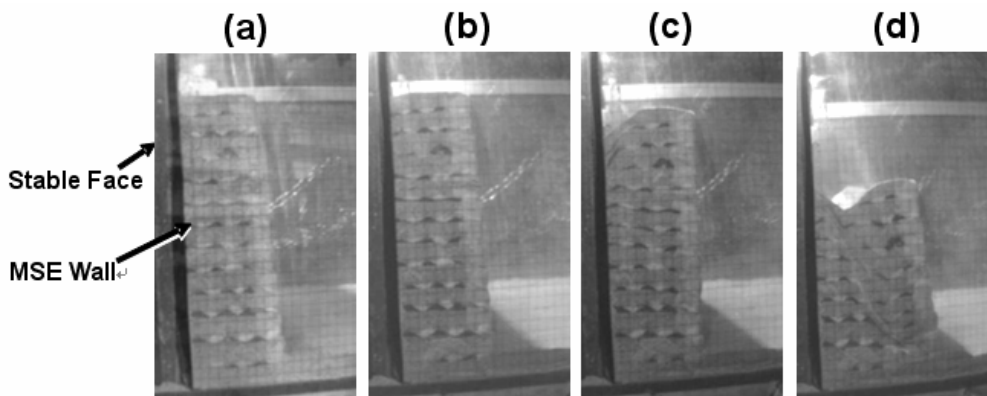


Figure 3: Centrifuge modeling: (a) Initial condition (gravity); (b) Working Stresses (10g);
(c) Before Failure (41g); (d) Failure condition (41g)

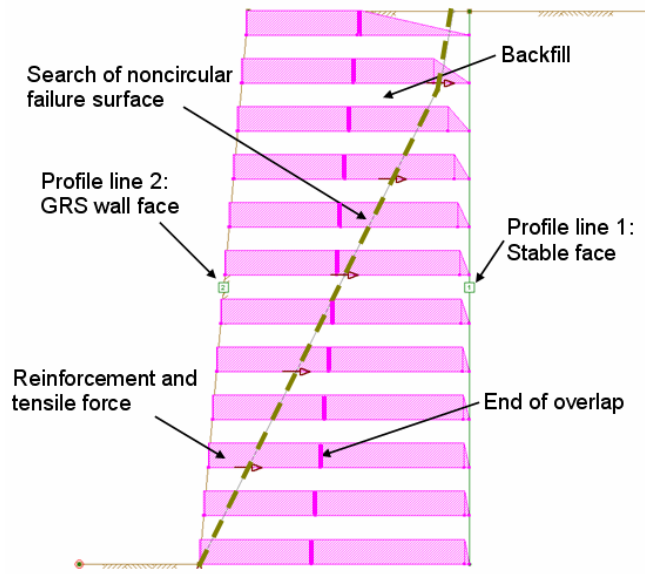


Figure 4: Limit equilibrium Simulation to locate the failure surface

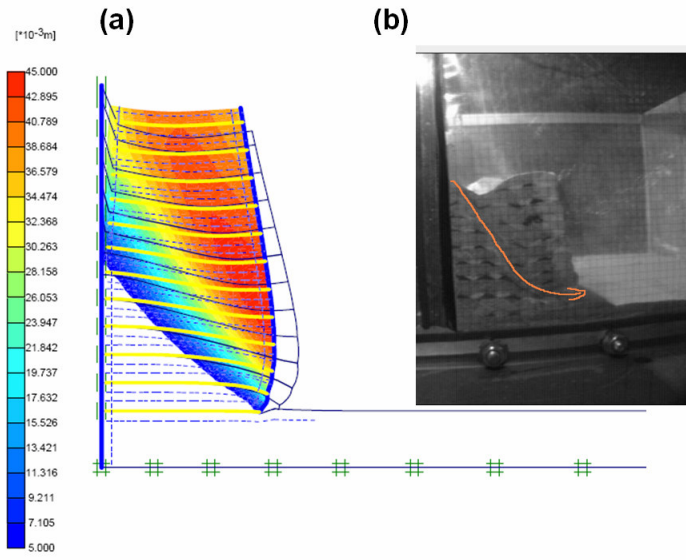


Figure 5: Finite element simulation to study the failure mechanism
 (a) FE displacement contour; (b) Image from centrifuge testing