

# CE394M: FEM applied to Geotechnical Engineering

Krishna Kumar

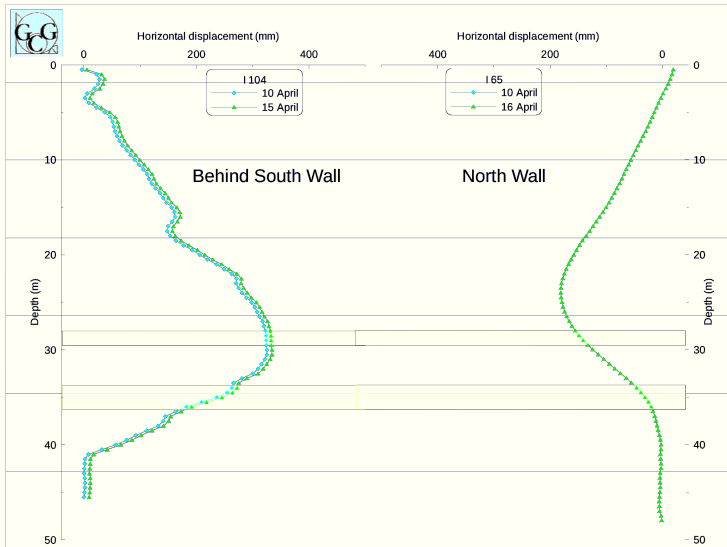
University of Texas at Austin

*krishnak@utexas.edu*

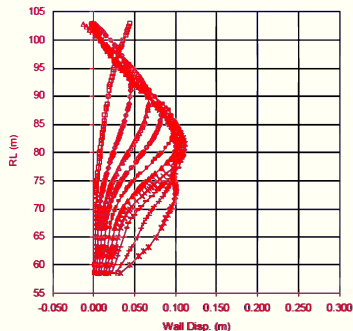
February 28, 2019

## 1 Nicoll Highway Collapse, Singapore

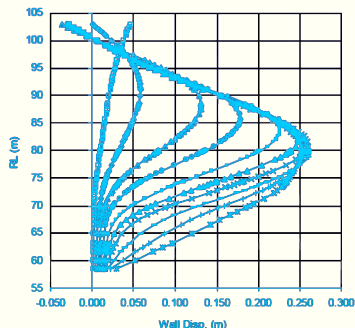
# Bending moments



# Wall displacements

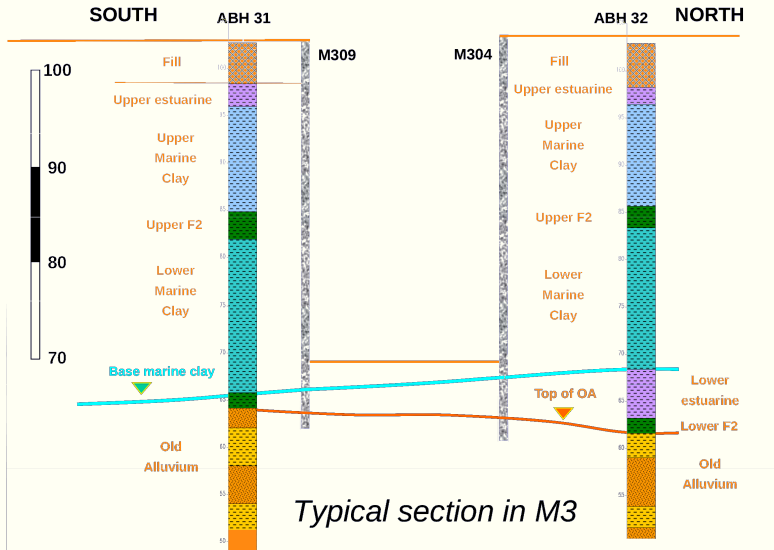


Exc to RL 100.9 for S1   Exc to RL 98.1 for S2   Exc to RL 94.8 for S3  
 Exc to RL 91.1 for S4   Exc to RL 87.8 for S5   Exc to RL 84.6 for S6  
 Exc to RL 81.6 for S7   Exc to RL 78.3 for S8   Exc to RL 75.3 for S9  
 Exc to RL 72.3 for S10

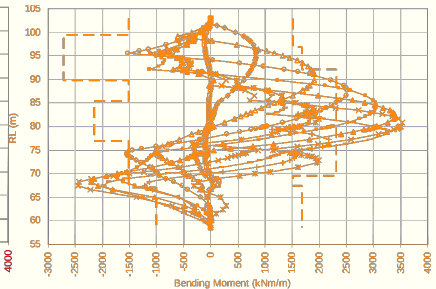
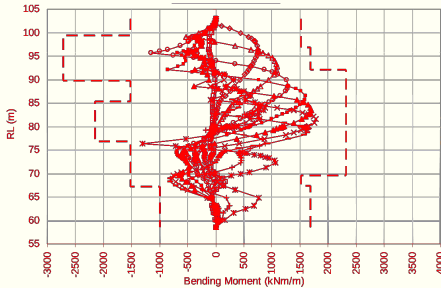


Exc to RL 100.9 for S1   Exc to RL 98.1 for S2   Exc to RL 94.8 for S3  
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 Exc to RL 81.6 for S7   Exc to RL 78.3 for S8   Exc to RL 75.3 for S9  
 Exc to RL 72.3 for S10

# Soil profile



# Bending moments



Method A vs Method B