

Direct Shear Test Report

Geotechnical Engineering Laboratory



6/4/2014_Version 1.0

General Test Info and Sample Preparation

Device:	square box	Relative Density (%):	-
Specimen ID:		Void Ratio:	0.428
Test ID:	1_D	Height (mm):	42.55
Date of Test:	9/4/2014	Specimen Dimension (mm):	101.6
Test Performed:	Monotonic Shear	Weight (gr):	815.22
Test Material:	Sandy soil	Density (kN/m ³):	18.21
Sample Preparation:	prepared dense		
		Moisture Content (%):	0%
		Saturated (Y/N):	N
		Prepared by:	Athena
		Checked by:	DZ

Consolidation Stage

Shear Stage

Vertical Stress (kPa):	35	Type of Test:	Constant Load
Time to Compression (min):	5.4	Stress or Displacement Controlled:	Displacement
Relative Density (%):	#DIV/0!	Shear Rate (mm/min):	0.20
Void Ratio:	0.406	Peak Shear Strength (kPa):	43.30
Height (mm):	42.55	Normal stress at peak τ (kPa):	36.60
Dimension (mm):	101.6	Comments	
Weight (gr):	815.22		
Density (kN/m ³):	18.48		

