

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:	0.536
Test ID:	1_L	Height (mm):	42.55
Date of Test:	9/5/2014	Specimen Dimension (mm):	101.6
Test Performed:	Monotonic Shear	Weight (gr):	757.75
Test Material:	Sandy soil	Density (kN/m ³):	16.93
Sample Preparation:	prepared loose		
		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):	5.8	Stress or Displacement Controlled:	Displacement
Relative Density (%):	#DIV/0!	Shear Rate (mm/min):	0.20
Void Ratio:	0.478	Peak Shear Strength (kPa):	24.75
Height (mm):	42.55	Normal stress at peak τ (kPa):	37.65
Dimension (mm):	101.6	Comments	
Weight (gr):	757.75		
Density (kN/m ³):	17.59		

