

DIRECT SHEAR TEST RESULTS (ASTM D-3080)



Project: Sample Project

Project No: 45453334

Client: Sample Client

Location: Sample Location

BH: BH1

Tested by:

Sample description: Sandy clay

Sample name: BH01/2

Test date: 12/22/2022

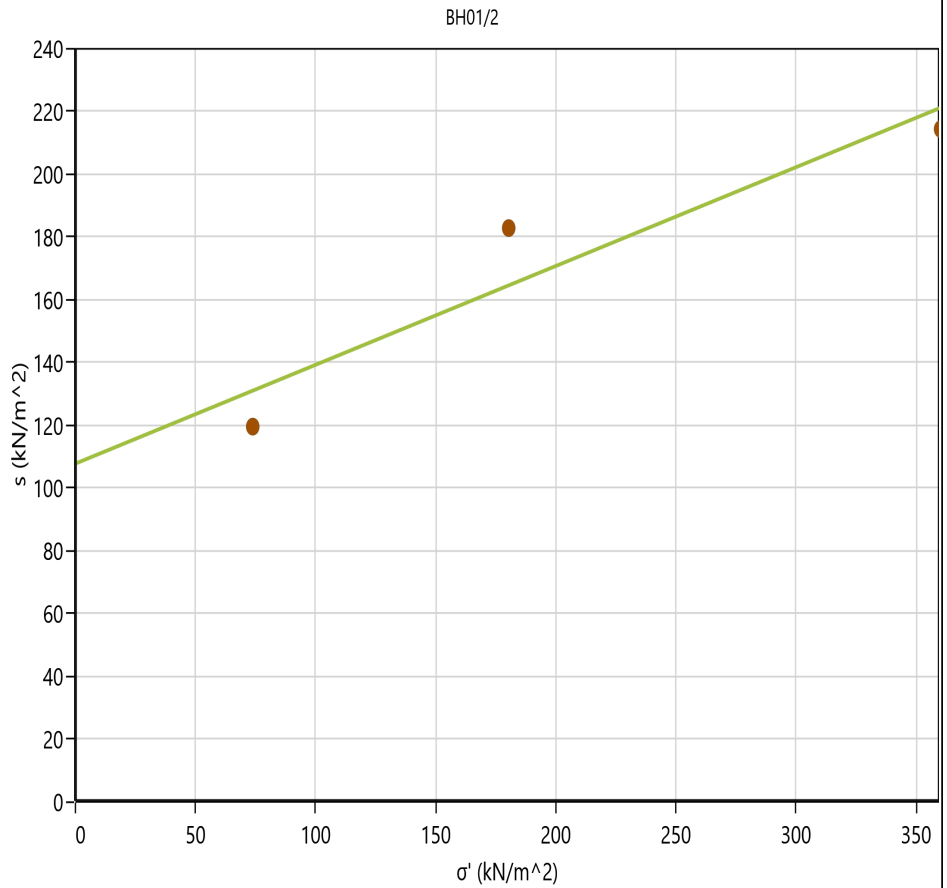
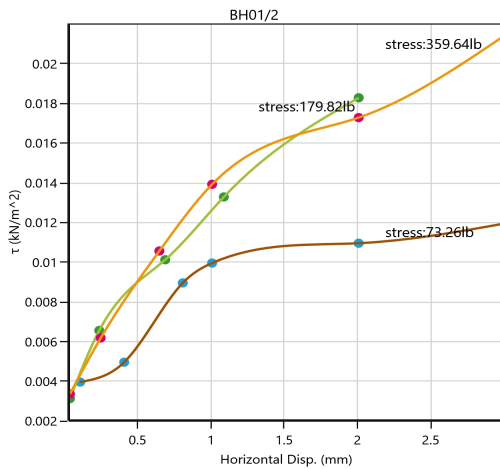
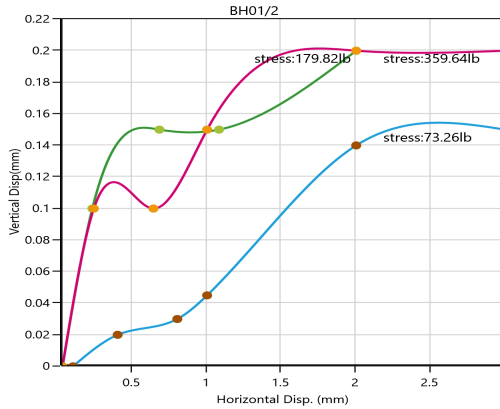
Sample depth(m): 2.00

Effective angle of friction, ϕ' : 17.5

USCS: SW-SC

AASHTO: A-2-7

Cohesion, c' (kN/m.2): 108.28



Test No.	L, (cm)	B, (cm)	H, (cm)	(Shearbox + Sample) (g)	Shearbox (g)	Void ratio, e	Specific gravity, Gs	Normal load, N	Dry unit weight, γ_d (g/cm.3)	Peak shear strength, S (kN/m.2)	Ultimum shear strength, S_u (kN/m.2)
8	5.48	5.48	2.00	166.25	55.00	0.46	2.71	220.00	1.85	119.88	119.88
9	5.48	5.48	2.00	166.40	56.00	0.47	2.71	540.00	1.84	183.15	183.15
10	5.48	5.48	2.00	166.55	58.10	0.50	2.71	1,080.00	1.81	214.72	214.72