AXIAL LOAD TEST (ASTMD1143-07 "Quick Method")

PILE DESCRIPTION _____ PROJECT _____

PILE DESIGNATION _____ TEST DATE _____

EST. FAILURE LOAD= _____ kips ☐ COMPRESSION ☐ TENSION TECHNICIAN _____

	Target Load[1]	Min. Hold Time (min)	Actual Time	Load				Deflection						Notes
				Target Ram (psi)	Ram (psi)	Load (kips)	Opt. Cell (kips)	#1 Dial (in)	#1 Deflect. (in)	#2 Dial (in)	#2 Deflect. (in)	Avg. Dial Deflect. (in)	Optical (in)	
LOADING	0%	na												
	5%	0.5												
		1.0												
		2.0												
		4.0												
	10%	0.5												
		1.0												
		2.0												
		4.0												
	15%	0.5												
		1.0												
		2.0												
		4.0												
	20%	0.5												
		1.0												
		2.0												
		4.0												
	25%	0.5												
		1.0												
		2.0												
		4.0												
	30%	0.5												
		1.0												
		2.0												
		4.0												
	35%	0.5												
		1.0												
		2.0												
		4.0												
	40%	0.5												
		1.0												
		2.0												
		4.0												

[1]Percent of estimated failure load

[2]Continue test until plunging failure occurs or capacity of load apparatus is reached, whichever happens first

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	Target Load[1]	Min. Hold Time (min)	Actual Time	Load				Deflection						Notes
				Target Ram (psi)	Ram (psi)	Load (kips)	Opt. Cell (kips)	#1 Dial (in)	#1 Deflect. (in)	#2 Dial (in)	#2 Deflect. (in)	Avg. Dial Deflect. (in)	Optical (in)	
LOADING	45%	0.5												
		1.0												
		2.0												
		4.0												
	50%	0.5												
		1.0												
		2.0												
		4.0												
	55%	0.5												
		1.0												
		2.0												
		4.0												
	60%	0.5												
		1.0												
		2.0												
		4.0												
	65%	0.5												
		1.0												
		2.0												
		4.0												
	70%	0.5												
		1.0												
		2.0												
		4.0												
	75%	0.5												
		1.0												
		2.0												
		4.0												
	80%	0.5												
		1.0												
		2.0												
		4.0												

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	Target Load[1]	Min. Hold Time (min)	Actual Time	Load				Deflection						Notes
				Target Ram (psi)	Ram (psi)	Load (kips)	Opt. Cell (kips)	#1 Dial (in)	#1 Deflect. (in)	#2 Dial (in)	#2 Deflect. (in)	Avg. Dial Deflect. (in)	Optical (in)	
LOADING	85%	0.5												
		1.0												
		2.0												
		4.0												
	90%	0.5												
		1.0												
		2.0												
		4.0												
	95%	0.5												
		1.0												
		2.0												
		4.0												
	100%	0.5												
		1.0												
		2.0												
		4.0												
	105%	0.5												
		1.0												
		2.0												
		4.0												
	110%	0.5												
		1.0												
		2.0												
		4.0												
	115%	0.5												
		1.0												
		2.0												
		4.0												
	120%	0.5												
		1.0												
		2.0												
		4.0												

[1]Percent of estimated failure load

[2]Continue test until plunging failure occurs or capacity of load apparatus is reached, whichever happens first

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EST. FAILURE LOAD= _____ kips ☐ COMPRESSION ☐ TENSION TECHNICIAN _____

	Target Load[1]	Min. Hold Time (min)	Actual Time	Load				Deflection						Notes
				Target Ram (psi)	Ram (psi)	Load (kips)	Opt. Cell (kips)	#1 Dial (in)	#1 Deflect. (in)	#2 Dial (in)	#2 Deflect. (in)	Avg. Dial Deflect. (in)	Optical (in)	
LOADING	125%	0.5												
		1.0												
		2.0												
		4.0												
	130%	0.5												
		1.0												
		2.0												
		4.0												
	135%	0.5												
		1.0												
		2.0												
		4.0												
	140%	0.5												
		1.0												
		2.0												
		4.0												
	145%	0.5												
		1.0												
		2.0												
		4.0												
	150%	0.5												
		1.0												
		2.0												
		4.0												
	155%	0.5												
		1.0												
		2.0												
		4.0												
	160%	0.5												
		1.0												
		2.0												
		4.0												

[1]Percent of estimated failure load

[2]Continue test until plunging failure occurs or capacity of load apparatus is reached, whichever happens first

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EST. FAILURE LOAD= _____ kips ☐ COMPRESSION ☐ TENSION TECHNICIAN _____

	Unload Step[1]	Min. Hold Time (min)	Actual Time	Load				Deflection						Notes
				Target Ram (psi)	Ram (psi)	Load (kips)	Opt. Cell (kips)	#1 Dial (in)	#1 Deflect. (in)	#2 Dial (in)	#2 Deflect. (in)	Avg. Dial Deflect. (in)	Optical (in)	
UNLOADING	1	1.0												
		4.0												
	2	1.0												
		4.0												
	3	1.0												
		4.0												
	4	1.0												
		4.0												
	5	1.0												
		4.0												
		8.0												
		15.0												

[1]Unload pile in 5 to 10 approximately equal decrements.
[2]Continue test until plunging failure occurs or capacity of load apparatus is reached, whichever happens first

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