

Test Location Information:

Exploration: B-34SCPT Date: 10/21/2008
 Surface El.: 7.8 feet Engineer: RCB
 Test Depth: 17.5 feet
 Test El.: -9.7 feet

Vane and Test Data:

Vane Diameter: 3 5/8 inches Vane Type: Standard Vane
 Vane Constant, k: 0.905 Depth of Vane Tip: 17.5
 Torque Arm Length: 12 inches Depth of Vane Tip Below Bottom of Hole: 18 in.
 Torque Rate - Undisturbed: 0.1 deg/sec
 Torque Rate - Remolded: 0.1 deg/sec

Undisturbed Condition				Undisturbed Condition			
Degrees of Rotation	Dial Reading (lbs)	Friction (lbs)	S _u (psf)	Degrees of Rotation	Dial Reading (lbs)	Friction (lbs)	S _u (psf)
0.5	0	0	0	16	14	0	152
1	0	0	0	17	14	0	152
1.5	4	0	43	18	13	0	141
2	4	0	43	19	13	0	141
3	7	0	76	20	13	0	141
4	9	0	98	21	13	0	141
5	12	0	130	22		0	0
6	14	0	152	23		0	0
7	15	0	163	24		0	0
8	15	0	163	25		0	0
9	16	0	174	26		0	0
10	16	0	174	27		0	0
11	16	0	174	28		0	0
12	15	0	163	29		0	0
13	15	0	163	30		0	0
14	15	0	163	31		0	0
15	14	0	152	32		0	0
		0	0	33		0	0



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FIELD VANE SHEAR TEST REPORT | 2 of 3

Project No.: 1131-08-554
 Project Name: Port Access Road
 Location: Charleston, SC
 Client: SCDOT