

Test Location Information:

Exploration: B-34SCPT Date: 10/22/2008
 Surface El.: 7.8 feet Engineer: RCB
 Test Depth: 26.5 feet
 Test El.: -18.7 feet

Vane and Test Data:

Vane Diameter: 3 5/8 inches Vane Type: Standard Vane
 Vane Constant, k: 0.905 Depth of Vane Tip: 26.5
 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	15	0	163
1	8	0	87	17	15	0	163
1.5	13	0	141	18	15	0	163
2	13	0	141	19	14	0	152
3	16	0	174	20	14	0	152
4	18	0	195	21	14	0	152
5	19	0	206	22	14	0	152
6	20	0	217	23	14	0	152
7	18	0	195	24	14	0	152
8	18	0	195	25	14	0	152
9	18	0	195	26		0	0
10	17	0	185	27		0	0
11	16	0	174	28		0	0
12	16	0	174	29		0	0
13	16	0	174	30		0	0
14	15	0	163	31		0	0
15	15	0	163	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