

Test Location Information:

Exploration: B-3B Date: 10/1/2008
 Surface El.: 6.95 feet Engineer: MLE
 Test Depth: 34 feet
 Test El.: -27.1 feet

Vane and Test Data:

Vane Diameter: 3 5/8 inches Vane Type: Standard Vane
 Vane Constant, k: 0.905 Depth of Vane Tip: 34 ft
 Torque Arm Length: 12 inches Depth of Vane Tip Below Bottom of Hole: 1.5 ft
 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	44	0	478
1	12	0	130	17		0	0
1.5	18	0	195	18		0	0
2	24	0	261	19		0	0
3	30	0	326	20		0	0
4	35	0	380	21		0	0
5	40	0	434	22		0	0
6	45	0	489	23		0	0
7	50	0	543	24		0	0
8	53	0	576	25		0	0
9	53	0	576	26		0	0
10	51	0	554	27		0	0
11	50	0	543	28		0	0
12	48	0	521	29		0	0
13	45	0	489	30		0	0
14	44	0	478	31		0	0
15	44	0	478	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