

**Test Location Information:**

Exploration: B-34SCPT Date: 10/22/2008  
 Surface El.: 7.8 feet Engineer: RCB  
 Test Depth: 44.5 feet  
 Test El.: -36.7 feet

**Vane and Test Data:**

Vane Diameter: 3 5/8 inches Vane Type: Standard Vane  
 Vane Constant, k: 0.905 Depth of Vane Tip: 44.5  
 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 <sub>u</sub> (psf)	Degrees of Rotation	Dial Reading (lbs)	Friction (lbs)	S <sub>u</sub> (psf)
0.5	0	0	0	16	30	0	326
1	0	0	0	17	30	0	326
1.5	5	0	54	18	32	0	348
2	5	0	54	19	33	0	358
3	6	0	65	20	33	0	358
4	6	0	65	21	33	0	358
5	8	0	87	22	31	0	337
6	10	0	109	23	30	0	326
7	12	0	130	24	30	0	326
8	13	0	141	25	28	0	304
9	15	0	163	26	27	0	293
10	16	0	174	27	27	0	293
11	20	0	217	28	27	0	293
12	21	0	228	29	27	0	293
13	24	0	261	30	27	0	293
14	26	0	282	31	27	0	293
15	27	0	293	32	27	0	293
		0	0	33	27	0	293



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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