

# SOIL BORING LOG

ROUTE FAI Various DESCRIPTION 101 C-60-026-14, I-88 EB Sign Truss @ I-80 EB Ramp, .3 m. W. of I-80 LOGGED BY W. Garza

SECTION D-20VD SIN STR REPL 14-26 LOCATION Hampton Twp. - 23NW, SEC., TWP. 18N, RNG. 1E

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. <u>101</u>	D E P T H  (ft)	B L O W S  (/6")	U C S  (tsf)	M O I S T  (%)	Surface Water Elev. _____ ft	D E P T H  (ft)	B L O W S  (/6")	U C S  (tsf)	M O I S T  (%)
Station <u>217+50</u>					Stream Bed Elev. _____ ft				
BORING NO. <u>B-1</u>					Groundwater Elev.:				
Station <u>217+12</u>					First Encounter <u>68.4</u> ft ▼				
Offset <u>0.00ft at CL</u>					Upon Completion <u>71.4</u> ft ▼				
Ground Surface Elev. <u>97.9</u> ft					After _____ Hrs.				

					VERY STIFF gray CLAY LOAM TILL (continued)	76.90	5	3.1	15
STIFF brown SILTY CLAY LOAM	95.90	3			HARD gray CLAY LOAM		11		
		3	1.3	22			12	5.9	18
	94.40	5	P			74.40	18	S	
VERY SOFT brown SILTY CLAY LOAM		-5	1		HARD gray CLAY LOAM		9		
			2	0.2			11	5.7	15
	91.90		3	P			18	S	
						71.40			
VERY SOFT light brown SILTY LOAM			0		HARD olive-green/gray SILTY CLAY with SAND lens		7		
			1	0.1			9	4.8	16
	89.40		1	P			13	S	
						68.90			
VERY SOFT tan SILTY LOAM		-10	0		MEDIUM olive-green fine SAND		5		
			0	0.1			5		
	86.90		1	P			9		
						66.40			
VERY SOFT tan SILTY LOAM with SAND lens			0		VERY STIFF gray LOAM with SAND lens		5		
			0	0.2			11	2.0	16
	84.40		1	P			16	S	
						63.90			
STIFF redish brown CLAY LOAM		-15	0		VERY DENSE light gray DOLOMITE		8		
			2	1.2			15		
	81.90		3	S			85		
					End of Boring				
STIFF light gray LOAM with SAND lens			2						
			4	1.5					
	79.40		6	P					
		-20	2						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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Station <u>217+50</u>					Stream Bed Elev. _____ ft				
BORING NO. <u>B-2</u>					Groundwater Elev.:				
Station <u>217+31</u>					First Encounter <u>63.9</u> ft ▼				
Offset <u>90.00ft Rt CL</u>					Upon Completion <u>73.4</u> ft ▼				
Ground Surface Elev. <u>95.9</u> ft					After _____ Hrs.				

					MEDIUM gray SILTY LOAM (continued)	74.90	2	0.5	28
VERY STIFF gray SILTY LOAM	93.90	7			HARD gray CLAY LOAM		8		
		6	3.5	20			11	6.2	19
	92.40	9	P			72.40	16	B	
VERY STIFF gray SILTY LOAM		-5	6		HARD gray SANDY CLAY		7		
			9	3.1			11	5.0	15
	89.90		11	S			14	S	
						69.90			
STIFF gray SILTY CLAY LOAM			3		VERY STIFF gray SANDY LOAM with SAND lens		7		
			5	1.7			9	2.1	17
	87.40		7	B			10	S	
						67.40			
MEDIUM light gray SILTY CLAY LOAM		-10	2		STIFF gray/black SANDY LOAM with moist SAND lens		4		
			3	0.5			6	1.3	30
	84.90		4	B			7	P	
						64.40			
MEDIUM tan SILTY LOAM			0		MEDIUM tan dirty medium SAND		11		
			2	0.8			11		16
	82.40		2	B			12		
						61.90			
MEDIUM gray SILT LOAM		-15	1		VERY DENSE light gray weathered DOLOMITE		100/4'		
			2	0.5					
	79.90		3	B					
					End of Boring				
STIFF redish brown CLAY LOAM			1						
			2	1.1					
	77.40		2	S					
MEDIUM gray SILTY LOAM		-20	1						

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