



# SOIL BORING LOG

Date 8/22/13

ROUTE FAI Various DESCRIPTION 104 C-60-026-14 I-88 WB Ramp to I-80 WB Sign Truss LOGGED BY W. Garza

SECTION LOCATION Hampton Twp. - 24NW, SEC. , TWP. 18N, RNG. 1E

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

STRUCT. NO. 104  
Station 35+00  
BORING NO. B-1  
Station 35+15  
Offset 34.00ft Lt CL  
Ground Surface Elev. 583.0 ft

DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOISTURE (%)
581.00	10		
579.50	13	4.5+	13
577.00	16	P	
577.00	3		
577.00	6	3.1	20
577.00	8	B	
574.50	1		
574.50	2	0.9	23
574.50	4	B	
572.00	0		
572.00	2	1.2	28
572.00	3	B	
569.00	2		
569.00	4		15
569.00	8		
567.00	15		
567.00	100/10"		
564.50	100/7"		
564.50	100/4"		

DEPTH (ft)	SOIL DESCRIPTION	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion (ft)	After (ft)
581.00	HARD light gray SILTY LOAM					
579.50	VERY STIFF dark gray SILTY CLAY LOAM					
577.00	MEDIUM gray SILTY CLAY LOAM					
574.50	STIFF redish brown SILTY CLAY					
572.00	MEDIUM light gray SHALE					
569.00	VERY DENSE gray moist SHALE					
567.00	VERY DENSE gray SHALE with SANDSTONE lens					
564.50	VERY DENSE gray SHALE					

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

STRUCT. NO. 104  
Station 35+00  
BORING NO. B-2  
Station 34+83  
Offset 46.00ft Rt CL  
Ground Surface Elev. 582.6 ft

DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOISTURE (%)
580.60	5		
579.10	7	2.9	22
579.10	8	P	
576.60	2		
576.60	4	1.9	26
576.60	5	B	
574.10	2		
574.10	2	1.2	27
574.10	4	B	
571.10	1		
571.10	2	0.9	34
571.10	4	B	
569.10	4		
569.10	9		
569.10	19		
566.60	100/4"		

DEPTH (ft)	SOIL DESCRIPTION	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion (ft)	After (ft)
580.60	MEDIUM brown SILTY CLAY LOAM					
579.10	VERY STIFF black SILTY CLAY					
576.60	STIFF gray SILTY CLAY LOAM					
574.10	STIFF gray/tan SILTY CLAY LOAM					
571.10	MEDIUM light gray SILTY CLAY					
569.10	MEDIUM light gray SHALE with SANDSTONE lens					
566.60	VERY DENSE gray SHALE with SANDSTONE					
566.60	Auger Refusal at 16'					
566.60	End of Boring					

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)