STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
IDOT – Region 3 / Dist. 5

SOIL BORING LOG

Page 1 of 3

ROUTE FAS 1517 (US 150) DESCRIPTION FAS 1517 (US 150) over Northfolk & Southern R.R. Date 7/13/06 LOGGED BY CNA

SECTION 12VBR-1 LOCATION NW, SEC. 10, TWP. 20N, RNG. 6E, 3rd PM GPS:

COUNTY Piatt DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 074-0086 Prop.
Station 289+15.28 Prop.

BORING NO. 5 East Abut.
Station 290+45.5 (Exist & Prop)
Offset 14.9' Rt (Exist) 39.2' Lt (Prop)
Ground Surface Elev. 754.3 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter ____ ft
Upon Completion ____ ft
After ____ Hrs. ____ ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Shoulder Pavement & Gravel	754.3				
Black Silty Clay Loam (Embankment)	752.3				
			2		
			1		30
		-5	2		
GrayGreen to Black Silty Clay Loam (Embankment)	748.3				
			1		
			2	1.4	23
		-10	3	B	
			1		
			2		21
		-15	3		
			50-1"		
(Drilled Through Piece of Concrete – Approx. 18" Thick)		-20			
GrayGreen to Black Silty Clay Loam (Embankment) (continued)	730.3				
Gray Silty Clay – Silty Clay Loam			2		
			3	1.7	27
		-25	4	B	
Black to Gray Silty Clay	728.3				
			2		
			4	1.2	31
			7	B	
GreenGrayBrown Silty Clay to Silt	725.3				
			1		
			2	1.9	26
		-30	3	B	
			1		
			3	1.4	25
			3	B	
BrownyRed Silty Loam with Oxidation (6" Sand Seam)	721.3				
			2		
			3		23
		-35	5		
Gray Sandy Clay Loam Till	717.3				
			2		
			3	2.0	13
		-40	5	S	

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
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)

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After ____ Hrs. ____ ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Sandy Clay Loam Till (continued)	712.3				
Gray to GrayBrown Sandy Clay Loam Till			5		
			10	5.2	8
		-45	12	B	
			5		
			10	7.5	10
		-50	13	B	
			5		
			12	7.5	9
		-55	15	E	
Gray Sandy Clay Loam Till	696.3				
			4		
			6	3.7	11
		-60	9	B	
Gray Sandy Clay Loam Till (continued)					
			4		
			6	4.5	10
		-65	9	B	
			4		
			6	2.1	11
		-70	9	B	
			3		
			6	2.5	11
		-75	9	B	
			3		
			5	1.9	11
		-80	6	B	

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Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Sandy Clay Loam Till (continued)					
			3		
			9	3.6	12
		-85	11	B	
(Drilled Harder)					
			5		
			6		11
			21		
Gray Coarse Sand	665.3				
End of Boring	664.3	-90			
		-95			
		-100			

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BORING LOGS
STRUCTURE NO. 074-0086

SHEET NO. 23	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
25 SHEETS	1517	12VBR-1	PIATT	168	108
			CONTRACT NO. 70388		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		