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

SOIL BORING LOG

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Date 10/11/07

ROUTE FAI Rt 74 DESCRIPTION I-74 EB Off Ramp to US 150 LOGGED BY CNA

SECTION _____ LOCATION SW, SEC. 10, TWP. 19N, RNG. 12W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 C 092 I074 R209.90
Station 54+50

BORING NO. 5 Mast Arm
Station 1595+99
Offset 14.0 ft Rt.
Ground Surface Elev. 621.3 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 615.3 ft ▼
Upon Completion WASHED ft
After ____ Hrs. _____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty Clay Loam			2		
			5		
		-5	4		
	615.3 ▼				
Brown Coarse Sand with Gravel			4		
			11		
(2 Feet of Sand Blow In)			12		
			3		
			11		
		-10	18		
	607.3		17		
Gray Clay Loam Till			16		8
		-15	21		
	604.3				
Pink/Brown Clay Loam Till			21		
			47		11
		-20	50-5"		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Pink/Brown Clay Loam Till (continued)			20		
			20	9.1	9
		-25	31	S	
	595.3				
Brown Coarse Sand with Gravel					
(8 Feet of Sand Blow In)					
	593.3				
Brown Clay Loam Till			13		
(Rods Stuck in Augers From Sand			31	9.1	8
Blow In - Pulled Augers)	591.3	-30	37	S	
End of Boring					
		-35			
		-40			

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)

BBS, from 137 (Rev. 8-99)

12/4/2009 10:25:35 AM S:\SOILS\BORING LOGS\VERMILION CNTY\092-MAST ARMS FAI RT 74 OCT 2007.GPJ

FILE NAME = c:\pw_work\PWIDOT\CEARLOCKJD\d0180151\D546110-sht-BLDG.dgn	USER NAME = cearlockjd	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/21/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D-5 OSS REPL 2010-46	Various	77	73
• Various		CONTRACT NO. 46110		
		ILLINOIS FED. AID PROJECT		