Illinois Department of Transportation
Division of Highways
Illinois Department of Transformation

SOIL BORING LOG

Date 9/7/11

ROUTE FAI 57 DESCRIPTION Windsor Road over FAI 57 LOGGED BY CNA

SECTION (10-32HB-2)BY LOCATION NW, SEC. 21, TWP. 19N, RNG. 8E, 3rd PM GPS:

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0176
Station 25+17.14

BORING NO. 1 East Abut.
Station 26+61
Offset 7.0 ft Rt.
Ground Surface Elev. 732.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Pavement (Asphalt & Gravel)	730.3				
Brown Clay Loam (Embankment)			3		
		-5	2 4		20
			2		
		-10	3 3		20
			3		
		-10	3 5	1.4 B	26
			3		
			3 5	1.3 B	26
Gray/Black Silty Clay (Topsoil)	718.8 / 718.3		3		
Brown Mottled Silty Clay		-15	4 5	3.1 B	25
Brown Mottled Clay Loam	716.3		1		
			2 3	0.6 B	21
Brown Clay Loam Till	713.8		1		
		-20	3 5	3.1 B	14
Brown Clay Loam Till *(continued)*			3		
			4 6	3.3 B	13
Gray Clay Loam Till	709.3		5		
		-25	5 6		
			4		
		-30	6 5	2.3 B	12
Gray Silt Loam Till with Gravel	700.3		3		
		-35	4 5		13
Gray Firm Silt	695.3		5		
		-40	7 9		16

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)

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After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Firm Silt *(continued)*	689.3				
Gray Clay Loam Till			4		
		-45	5 7	3.3 B	11
Gray Silt	685.3		3		
		-50	4 6		20
Gray Clay Loam Till	680.3		4		
		-55	6 8	1.6 B	12
			3		
		-60	5 8	1.4 B	13
Gray Clay Loam Till *(continued)*	668.3		9		
Gray Clay Loam Till (Very Hard)		-65	16 26		8
			9		
	662.3	-70	15 30		10
End of Boring		-80			

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BBS, from 137 (Rev. 8-99)

9/20/2011 10:41:34 AM S:\SOILS\2011 SOIL WORKS\SOIL BORINGS\010-0176EXIST.GPJ

FILE NAME = ...\010291-70109-025-borings.dgn
CB PROJECT NO 09076-7

Coombe-Bloxdorf P.C.
-CIVIL ENGINEERS-
-STRUCTURAL ENGINEERS-
-LAND SURVEYORS-
Design Firm License No. 184-002703

USER NAME = .MML.	DESIGNED - GJB	REVISED -	
	CHECKED - RKM	REVISED -	
PLOT SCALE = 0:2.000000 ':' / IN.	DRAWN - CFC	REVISED -	
PLOT DATE = 8/10/2012	CHECKED - RKM/MCB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 010-0291
SHEET NO. 25 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-32HB-2)BY	CHAMPAIGN	81	63
		CONTRACT NO. 70109		
		ILLINOIS FED. AID PROJECT		