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. 2 West Abut.
Station 23+92
Offset 5.0 ft Rt.
Ground Surface Elev. 735.3 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 (Oil & Chip/Road Pack)	733.3				
Brown to Gray/Brown Clay Loam (Embankment)			2		
			2		20
		-5	5		
			2		
			2		20
			4		
(Samples were fragmented and were not testable for Qu from 2' to 12')			3		
			5		12
		-10	5		
			3		
	723.3		4		19
Black Silty Clay (Topsoil)	722.3		6		
Brown/Gray Brown Mottled Clay Loam			3		
			4	1.4	19
		-15	6	B	
	719.3				
Brown Mottled Clay Loam			2		
			3		21
			6		
	717.3				
Brown Mottled Silty Clay Loam to Silt Loam			8		
			14		16
		-20	15		
Brown Mottled Silty Clay Loam to Silt Loam *(continued)*			12		
			15		18
			17		
	712.3				
Gray Silt to Silt Loam			10		
			17		19
	710.3	-25	19		
Gray Clay Loam Till (Hard)			10		
			15	10.5	10
			25	S	
			7		
	705.8		10	7.4	10
Gray Silt Loam to Silt with Trace of Free Water		-30	14	B	
	703.3				
Gray Sand Loam Till			3		
			6		14
		-35	9		
			12		
			13		11
		-40	15		

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)

9/20/2011 10:41:38 AM S:\SOILS\2011 SOIL WORKS\SOIL BORINGS\010-0176EXIST.GPJ

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. 2 West Abut.
Station 23+92
Offset 5.0 ft Rt.
Ground Surface Elev. 735.3 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 (%)
Gray Sand Loam Till *(continued)*			9		
			18		9
		-45	22		
	687.3				
Gray Clay Loam Till to Sandy Clay Loam Till			6		
			11		11
		-50	15		
			5		
			6	4.1	10
		-55	12	B	
			14		
			7	2.9	11
		-60	8	B	
Gray Clay Loam Till to Sandy Clay Loam Till *(continued)*			5		
			5	3.1	12
		-65	7	B	
	668.3				
Gray Clay Loam Till (Very Hard)			25		
			35		8
	665.3	-70	50-5"		
End of Boring		-75			
		-80			

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)

9/20/2011 10:41:39 AM S:\SOILS\2011 SOIL WORKS\SOIL BORINGS\010-0176EXIST.GPJ

FILE NAME = ...\010029I-70109-025-borings.dgn
CB PROJECT NO 04078-7

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. 26 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-32HB-2)BY	CHAMPAIGN	81	64

CONTRACT NO. 70109
ILLINOIS FED. AID PROJECT