ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 2

FAP (IL 1) Over McHenry Slough
Route: FAP 332 (IL 1) Structure Number: 097-0007 Date: 10/20/2009
Section 4,BY 4BR Bored By: Rich Moberly
County: White Location: 2 Miles North of Carmi Checked By: Rob Graeff

Boring No 2-S
Station 176+05
Offset 14' LT CL
Ground Surface 382.6 Ft

Surf Wat Elev: 365.7
Ground Water Elevation when Drilling 353.1
At Completion 353
At: Hrs:

Description	Elev.	DEPTH	BLOWS	Qu tsf	W%
Asphalt and crushed aggregate	381.1				
Stiff, moist, grey, Silty Clay A7-6	378.1		3 4 5	1.5B	18
Stiff, moist, brown, Silty Clay A7-6	375.6	5.0	2 3 3	1.5B	19
Medium, moist, brown and grey, Silty Clay A-6	373.1		1 1 2	0.9B	20
Stiff, moist, brown and grey, Silty Clay A-6	370.6	10.0	1 2 3	1.1B	18
Stiff, moist, brown, Clay to Silty Clay A7-6	368.1		1 3 4	1.8B	21
Medium, moist to very moist, grey and brown, Clay to Clay Loam A-6	365.6	15.0	1 2 3	0.9B	17
Medium, very moist, brown, Clay Loam A-6 with Sand	363.1		1 2 2	0.6B	22
Medium, very moist, grey, Clay to Silty Clay A-6		20.0	WH 1 1	0.8B	26
			1 1 1	0.5B	28
		25.0	1		
Medium, very moist, grey, Clay to Silty Clay A-6	355.6		2 2	0.9B	25
Stiff, moist to very moist, grey, Clay to Silty Clay A7-6	353.1		1 2 2	1.1B	24
Very loose, wet, grey, fine Sand, 95% Sand, 4% Silt, 1% Clay	350.6	30.0	WR WR WR		
Loose, wet, grey, fine Sand, 95% Sand, 4% Silt, 1% Clay	348.1		1 3 6		
Medium, very moist, grey, Clay A7-6		35.0	1 1 2	0.8B	26
			1 1 2	0.9B	26
		40.0	1 2 2	0.8B	23
Loose, very moist, grey, Sand, 86% Sand, 10% Silt, 4% Clay	339.6				
		45.0	1 3 4		
	333.1				
		50.0	3		

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 2 of 2
Date: 10/20/2009

Route: FAP 332 (IL 1)
Section: 4,BY 4BR
County: White

Boring No: 2-S
Station: 176+05
Offset: 14' LT CL
Ground Surface: 382.6 Ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W%
			7 8	GS	24
Loose, very moist, grey, fine to medium Silty Sand, 86% Sand, 10% Silt, 4% Clay	318.1	55.0	1 2 3		
		60.0	2 3 3		
Medium, very moist, grey, Sand, 86% Sand, 10% Silt, 4% Clay	313.1	65.0	4 8 12		
Loose, very moist, grey, Sand, 86% Sand, 10% Silt, 4% Clay	309.1	70.0	1 2 3		
Hard, damp, grey, Clay Shale	307.6	75.0	100/4"		

Bottom of hole = 74.8 feet

Free water observed at 29.5 feet

Elevation referenced to BM @ SW wingwall. Elev.= 382.7 feet

Note: To convert "N" values to "N60" multiply by 1.25

DEPTH	BLOWS	Qu tsf	W%
80.0			
85.0			
90.0			
95.0			
100.0			

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

PRINT DRIVER = IDOT.PDF
PEN TABLE = IDOT_VER02.TBL
STYLE NAME = BORING.STY
FILE NAME = 097S078-78154-23-Sol.dgn

ESCA CONSULTANTS, INC.
ROAD & STRUCTURAL DESIGNERS

USER NAME = has	DESIGNED - ELH 04/12	REVISED -	
ESCA PROJECT NO. 988.11	CHECKED - RDP 10/12	REVISED -	
PLOT SCALE = 0:2 ':' / IN.	DRAWN - HAS 04/12	REVISED -	
PLOT DATE = 10/31/2012 7:18:34 AM	CHECKED - ELH 10/12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 097-0078

SHEET NO. 23 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4B-1	WHITE	70	44

CONTRACT NO. 78154

ILLINOIS FED. AID PROJECT AID