Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 9/13/10

ROUTE FAI 74 DESCRIPTION Mast Arm on I-74WB Off Ramp to NB Rt. 1 LOGGED BY CNA

SECTION Sign Structure LOCATION SW, SEC. 17, TWP. 19N, RNG. 11W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 C 092 1074 / L214.50
Station 1937+20

BORING NO. 2 Cantilever
Station 1937+03
Offset 5.0 ft Lt. of Shoulder Edge
Ground Surface Elev. 608.1 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 (%)
Aggregate Shoulder	607.1				
Gray Clay Loam (Embankment)			3		
			3	0.6	23
	603.1	-5	3	B	
*Medium Gray Massive Shale (Bedrock)			16		
			21		10
			41		
			13		
			23		11
		-10	30		
			31		
			50-5"		11
		-15			
*Note: Shale was easily augered through.			26		
			50-5"		9
	588.1	-20			

End of Boring

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)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 9/10/10

ROUTE FAI 74 DESCRIPTION Mast Arm on I-74EB West of Bowman Ave. LOGGED BY CNA

SECTION Sign Structure LOCATION NW, SEC. 16, TWP. 19N, RNG. 11W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 C 092 1074 / R215.65
Station 1996+40

BORING NO. 3 Cantilever
Station 1996+40
Offset 36.0 ft Rt. of EBCL
Ground Surface Elev. 569.6 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 (%)
Asphalt Shoulder	568.6				
Gray/Brown Sandy Clay Loam with Gravel (Embankment)			4		
			4		10
	564.6	-5	6		
Brown Sand Loam to Loam (Embankment)			6		
			7		10
			10		
			7		
			6		12
		-10	5		
			4		
(Trace of Free Water)			3		8
			7		
			2		
			7		
(No Sample Obtained)		-15	5		
	554.1				
Brown to Gray Sandy Clay Loam (Embankment)			10		
			9	2.5	13
			13	B	
			5		
			11	3.5	9
		-20	15	S	
Brown to Gray Sandy Clay Loam (Embankment) (continued)			11		
			21		9
		-25	14		
			11		
			14		9
	539.6	-30	16		
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)

9/29/2010 7:39:48 AM S:\BORE\BORING LOGS\VERMILION\CNA\MASTARMS I 74.GPJ

*D-5 OVD SIN STR REPL 2011-17

FILE NAME =	USER NAME = buckleslj	DESIGNED -	REVISED -
c:\pw_work\pwidot\buckleslj\d0241273\D546140-sht-blog.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/29/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: NONE | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	VERMILION	39	31

CONTRACT NO. 46140

ILLINOIS FED. AID PROJECT