



Illinois Department
of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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Date 9/10/10

ROUTE FAI 74 DESCRIPTION Mast Arm on I-74EB West of G Street LOGGED BY CNA

SECTION Sign Structure LOCATION SE, SEC. 18, TWP. 19N, RNG. 12W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 S 092 I074
Station R213.03
1860+00

BORING NO. 1 Simple Span
Station 1859+90
Offset 16.5 ft Rt. of EBCL
Ground Surface Elev. 661.1 ft

Description	Elev. (ft)	D (ft)	B (6")	U (tsf)	M (%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.:	First Encounter ft	Upon Completion Dry ft	After Hrs. ft	D E L C O S I T W H S Qu T							
												(ft)	(6")	(tsf)	(%)				
Asphalt Shoulder	680.1																		
Brown to Gray Sandy Clay Loam (Embankment)																			
			8																
			10	3.9															
			8	B															
			3																
			7	3.5															
			9	S															
Brown Sandy Clay Loam (Embankment)	653.1																		
			4																
			5	2.5															
			7	B															
(Black Silty Clay Loam Seam)																			
			3																
			5	2.5															
			5	B															
			3																
			5	2.7															
			5	S															
			3																
			6	1.6															
			8	B															
			5																
			8	1.6															
			9	B															
End of Boring	641.1																		

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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Date 10/1/07

ROUTE FAI Rt 74 DESCRIPTION Mast Arm on I-74EB at Rt 1US 150 SB Off Ramp LOGGED BY CNA

SECTION _____ LOCATION SE, SEC. 18, TWP. 19N, RNG. 11W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 C 092 I074
Station R214.21
52+00

BORING NO. 4 Mast Arm
Station 1922+15
Offset 213.0 ft Rt.
Ground Surface Elev. 610.9 ft

Description	Elev. (ft)	D (ft)	B (6")	U (tsf)	M (%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.:	First Encounter ft	Upon Completion Plugged ft	After Hrs. ft	D E L C O S I T W H S Qu T							
												(ft)	(6")	(tsf)	(%)				
Aggregate/Shoulder Stone	610.4																		
Gray Slightly Weathered Massive Shale with Oxidized Joints (Bedrock)																			
			5																
			7		14														
			9																
			5																
			6		11														
			16																
			3																
			6		13														
			8																
			3																
			10		10														
			15																
			7																
			10		11														
			7																
			3																
			8		14														
			9																
			2		15														
			4																
			4																
End of Boring	580.9																		

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)

FILE NAME =	USER NAME = bucklesj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pw\work\pmdot\bucklesj\10241273\056140-shr-blog.dgn		DRAWN -	REVISED -			74	.	VERMILION	39	30	
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 46140					
PLOT DATE = 10/29/2010		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

#D-5 OVD SIN STR REPL 2011-17

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.