



SOIL BORING LOG

ROUTE FAI Rt. 74 (West Bound) DESCRIPTION Mast Arm at Off Ramp to Salt Kettle Rest Area LOGGED BY CNA
 SECTION Sign Structure LOCATION NE, SEC. 8, TWP. 19N, RNG. 12W, 2nd PM GPS:
 COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 C 092 1074
 Station L208.35
Rt. 103+00
 BORING NO. 1 Cantilever
 Station 20' W of Exist.
 Offset 200.0 ft Lt.
 Ground Surface Elev. 638.1 ft (ft) (/6") (tsf) (%)

Soil Description	Depth (ft)	U (tsf)	M (%)	Soil Description	Depth (ft)	U (tsf)	M (%)
Brown Mottled Silt Loam	0-8			Brown Sand Loam Till (continued)	0-614.6		
	8	1.0	21	Gray Sandy Clay Loam Till	614.6-632.1	50-3"	
	8	S		(No Sample Obtained)	632.1-632.1		
Brown Sandy Clay Loam Till	632.1-632.1			(Drilled Very Hard - 5 ft in 10 Minutes)	632.1-632.1		
	3	1.0	14	(*NOTE: soil boring taken 20' West and 8' South of existing foundation)	632.1-632.1	50-3"	9
	5	B			632.1-632.1		
	6			End of Boring	632.1-632.1		
	4	2.3	14		632.1-632.1		
	6	B			632.1-632.1		
	15				632.1-632.1		
Brown Mottled Silt with Intermittent Fine Sand Seams	632.1-627.6				632.1-627.6		
	18	2.5	21		632.1-627.6		
	10	B			632.1-627.6		
	11				632.1-627.6		
	10				632.1-627.6		
	15	3.5	10		632.1-627.6		
	35	B			632.1-627.6		
	15				632.1-627.6		
Brown Dirty Coarse Sand with Gravel (Trace of Water)	627.6-622.1				627.6-622.1		
	25				627.6-622.1		
	35				627.6-622.1		
	40				627.6-622.1		
	25				627.6-622.1		
Brown Sand Loam Till	622.1-619.6				622.1-619.6		
	19				622.1-619.6		
	18		10		622.1-619.6		
	25				622.1-619.6		
	20				622.1-619.6		

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)



SOIL BORING LOG

ROUTE FAI Rt. 74 DESCRIPTION Mast Arm on I-74EB at Rt 1/US 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 1074
 Station R214.21
52+00
 BORING NO. 4 Mast Arm
 Station 1922+15
 Offset 213.0 ft Rt.
 Ground Surface Elev. 610.9 ft (ft) (/6") (tsf) (%)

Soil Description	Depth (ft)	U (tsf)	M (%)	Soil Description	Depth (ft)	U (tsf)	M (%)
Aggregate/Shoulder Stone	0-610.4			Gray Slightly Weathered Massive Shale with Oxidized Joints (Bedrock) (continued)	0-585.9		
Gray Slightly Weathered Massive Shale with Oxidized Joints (Bedrock)	610.4-585.9				0-585.9		
	5				5	6	15
	7	14			7	10	15
	9				9	6	
	5			Gray Massive Shale (Bedrock)	585.9-580.9		
	6	11			585.9-580.9		
	16				585.9-580.9		
	3				585.9-580.9		
	6	13			585.9-580.9		
	8				585.9-580.9		
	10				585.9-580.9		
	15				585.9-580.9		
	7				585.9-580.9		
	10	11			585.9-580.9		
	7				585.9-580.9		
	3				585.9-580.9		
	8	14			585.9-580.9		
	9				585.9-580.9		
	2				585.9-580.9		
	4	15			585.9-580.9		
	4				585.9-580.9		

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BBS, from 137 (Rev. 8-99)

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pwwork\pwwork\ceerlockjd\02268557.L	46179-shr-biog.dgn	DRAWN -	REVISED -			•	••	Various	178	22	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 46179					
PLOT DATE = 10/7/2011	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT					
SCALE:		SHEET NO. OF SHEETS		STA. TO STA.							

•VARIOUS COUNTIES
 ••D-5 OVD SIN STR REPL 2012-06