Illinois Department of Transportation
Division of Highways
Illinois DOT

SOIL BORING LOG

Date 11/7/04

ROUTE FAI 57 DESCRIPTION FAI 57 Over Kankakee River LOGGED BY Larry Myers

SECTION 140BR LOCATION NE 1/4, SEC. 9, TWP. 30N, RNG. 13W, 2nd PM

COUNTY KANKAKEE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 046-0136 (Prop.) 046-0004 (Exist.)
Station 260+90

BORING NO. 2 SB Center Pier
Station 261+21.47
Offset 13.50ft W of SB CL
Ground Surface Elev. 612.04 ft

Surface Water Elev. ft
Stream Bed Elev. 586.04 ft

Groundwater Elev.:
First Encounter ft
Upon Completion washed ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Cored Concrete Deck. 26' to River Bed.				
	-5			
	-10			
	-15			
	-20			
Cored Concrete Deck. 26' to River Bed. (continued)	-25			
586.04				
River Bed				
585.04				
Loose Brown Fine/Coarse Sand.		1		
		2		25.1
		6		
582.54				
Hard to Very Stiff Gray Clay Loamy Till with Layers of Silt and Fine/Coarse Sand at 32'.	-30	12		
		20	>4.5	10.1
W=Washed Sample		18	P	W
		8		
		18	5.0	11.7
		33	B	W
	-35	12		
		11	3.6	11.3
		16	S	
		8		
		12	>4.5	12.0
		16	P	W
	-40	8		

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, form 137 (Rev. 8-99)

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Upon Completion washed ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard to Very Stiff Gray Clay Loamy Till with Layers of Silt and Fine/Coarse Sand at 32'.		13	5.6	12.1
		15	B	
W=Washed Sample (continued)		8		
		23	>4.5	11.6
568.54		31	P	
Hard to Very Stiff Light Gray/Brown Loam/Clay Loam with Layers of Sand and Silt. Cobble Size Rock Felt with Augers at 46'.	-45	20		
		25	>4.5	11.3
		31	P	
Skipped Sample at 47' due to Cobble Obstruction in Auger				
	-50	18		
		30	>4.5	10.0
		100/5"	P	
		16		
		100/5"	>4.5	10.3
			P	W
	-55	17/2/6"		
			>4.5	9.7
			P	
		53		
		100/3"	>4.5	11.2
			P	W
	-60	47		
Hard to Very Stiff Light Gray/Brown Loam/Clay Loam with Layers of Sand and Silt. Cobble Size Rock Felt with Augers at 46'. (continued)		100/3"	>4.5	12.5
			P	W
549.04				
Dense Brown Fine to Coarse Sand with Minor Fine Gravel.				
W=Washed Sample	-65	7		
		11		21.6
		22		W
	-70	30		
		66		18.1
		100/4"		W
539.04				
Gray Limestone.				
537.37				
End of Boring	-75	100/2"		15.0
	-80			

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DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - OCTOBER 4, 2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - JUSTIN T. BELUE	ACTING ENGINEER OF BRIDGE DESIGN		
DRAWN - MICHAEL B. MOSSMAN	PASSED	REVISED ___	
CHECKED - J.T.B. / D.H.R.	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___	

SOIL BORING LOGS
STRUCTURE NO. 046 - 0135 (NB) & 046 - 0136 (SB)
SHEET NO. 69 OF 79 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(140)BR&BR-1	KANKAKEE	183	109

CONTRACT NO. 66750
ILLINOIS FED. AID PROJECT