Illinois Department of Transportation
Division of Highways
Illinois DOT

SOIL BORING LOG

Page 1 of 2

Date 12/6/04

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. 046-0135 (Prop.) 046-0003 (Exist.)
Station 260+90

BORING NO. 5 NB Center Pier
Station 260+58.52
Offset 14.00ft E of NB CL
Ground Surface Elev. 612.18 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Cored Concrete Deck, Air & Water					
		-5			
		-10			
		-15			
		-20			
Cored Concrete Deck, Air & Water (continued)					
		-25			
	584.18				
Very Dense Gray Fine Sand to Coarse Gravel with Pieces of Sandy Clay Till @ 32.5'.					
		-30			
			12		
			27		12.2
			35		
	577.68				
Hard Gray Silty Clay Loam Till with Silty Loam Layers and Cobble Size Rocks Felt with Auger.		-35			
			11		
			22	>4.5	7.3
W=Washed Sample			47	P	W
			22		
	573.68		80		W
Hard Brown Silty Clay Loam/Silty Loam Till. W=Washed Sample			80	>4.5 P	6.3
	572.68				
		-40			

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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After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense to Very Dense Brown Fine Sand to Coarse Gravel with Minor Layers of Silt and Loam.			14		
			18		11.0
			28		W
	550.68				
W=Washed Sample (continued)					
			28		
			48		9.4
			43		W
		-45			
			32		
			40		10.0
			48		W
			38		
			48		11.8
			42		
	562.68				
Hard Brown Loam/Clay Loam Till with Major Gravel Pieces.		-50			
			200/5"		
W=Washed Sample				>4.5 P	3.4 W
	560.18				
Very Dense Brown/Gray Fine Sand to Coarse Gravel, Slightly Loamy.			106		
			100/3"		5.8
W=Washed Sample					W
		-55			
			28		
			40		9.7
			46		W
		-60			
			30/5"		
			70/1"		10.9
					W
Brown Weathered Shale, Hard Gray Dolostone.					
	548.68		100/6"		7.5
End of Boring					
		-65			
		-70			
		-75			
		-80			

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The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

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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. 72 OF 79 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(140)BR&BR-1	KANKAKEE	183	112
		CONTRACT NO. 66750		
	ILLINOIS FED. AID PROJECT			