

Illinois Department of Transportation
Division of Highways
Illinois DOT

SOIL BORING LOG

Page 1 of 2
Date 12/10/04

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

SECTION 140BR LOCATION NE 14, SEC. 9, TWP. 30N, RNG. 13W, 2nd PM

COUNTY KANKAKEE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 046-0135 (Prop.)
Station 260+90

BORING NO. 8 NB North Abutment
Station 256+82.00
Offset 16.00ft E of NB CL
Ground Surface Elev. 611.15 ft

Description	Depth (ft)	Bulge (ft)	Shear (tsf)	Penetration (%)	SPT (blows)	MOISTURE			
						Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)
Augured Bituminous, Brown Sand Fill.	0					1			
	4					2		8.3	
	4					4			
Loose to Very Loose Fine to Medium Sand with Layers of Sandy Loam (Fill).	4			8.3		5			
	4					7	4.0	5.3	
	4					13	P		
	-5					-25			
	1					9			
	2			5.6		20	>4.5	3.9	
	2					26	P		
Medium Dark Brown Clay Loam Fill.	604.15					19			
	1					19	>4.5	4.0	
	1	1.0		20.4		19	P		
Stiff Brown Silty Clay Loam Fill.	601.15	-10				2			
	1					8		16.3	
	3	1.5		13.7		10		W	
	3					578.65			
	3					9			
	3	1.3		19.5		16		11.0	
	3					21		W	
Stiff Black Silty Clay Loam/Silty Loam.	597.15					-35			
	1					19			
	2	1.5		35.5		29		8.0	
	3					36		W	
	1					35			
Medium Brown Silty Clay Loam.	593.15					97		7.0	
	1					63		W	
	1	0.5		25.7					
	1								
	591.65					-40			
	-20								

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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Dense to Very Dense Gray Fine Sand to Coarse Gravel (Potential Cobbles), Slightly Loamy with Layers of Silty Clay Loam Till.	18					75		7.9	
	75					100.5		W	
W = Washed Sample (continued)									
	68								
	100.5							8.3	
	68							W	
	44								
	50							5.6	
	74							W	
Cobble Obstruction at 46.5'									
	563.15								
Auger Refusal at 48' - Broke Cutter Head End of Boring									
	-50								
	-55								
	-60								

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DESIGNED - DAVID H. RICHTER	EXAMINED - <i>Jaime F. J. [Signature]</i> ACTING ENGINEER OF BRIDGE DESIGN	DATE - OCTOBER 4, 2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 046 - 0135 (NB) & 046 - 0136 (SB)	F.A.I. RTE. 57	SECTION (140)BR&BR-1	COUNTY KANKAKEE	TOTAL SHEETS 183	SHEET NO. 115	
CHECKED - JUSTIN T. BELUE	PASSED - <i>[Signature]</i> ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED _____			CONTRACT NO. 66750					
DRAWN - MICHAEL B. MOSSMAN		REVISED _____			SHEET NO. 75 OF 79 SHEETS					
CHECKED - J.T.B. / D.H.R.					ILLINOIS FED. AID PROJECT					