

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

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Date 8/20/06

ROUTE FAI-57 DESCRIPTION I-57 over CNIC RR LOGGED BY Larry Myers

SECTION 46-2VB LOCATION SW 1/4, SEC. 16, TWP. 31N, RNG. 12E, 3rd PM

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
BORING NO. #1: E Abut. Median Station 325+31.1 Offset 0.00ft Ground Surface Elev. 707.26 ft					Very stiff, brown gray, Silty Clay	3			
						4	3.9	21.3	
Hard, brown and black, Silty Clay Loam Till fill with Gravel pieces	704.76	5			Hard, brown, Silty Clay Loam Till	3			
		6	4.5	15.5		5	4.1	18.2	
Augered, brown, Silty Clay Loam Till fill with oversize, Limestone Gravel pieces		7	P			7	S		
Hard, brown gray, Silty Clay Loam Till		2				10			
		5	4.0	18.3		13	4.0	15.6	
Very stiff, dark gray, Silty Clay Loam to Silty Loam Till fill with large, Gravel pieces	698.26	4	4.0	11.9		6			
		8	P			10	4.0	15.9	
Stiff, gray, Silty Clay Till with layers of loamy, Sand and Gravel at 37.5'		1				2			
		4	3.3	19.4		3	1.2	19.4	
Very stiff, gray, Silty Clay Loam Till		5	P			4	B		
		1				2			
Very stiff, black, Silty Clay	689.76	5	3.0	14.8		3	1.8	16.9	
		7	P			5	B		
Very stiff, gray, Silty Clay Loam Till		2				2			
		5	2.5	13.3		4	1.9	17.0	
Very stiff, gray, Silty Clay Loam Till		3	P			5	B		
		1				7			
Very stiff, black, Silty Clay	687.26	4	3.0	27.3		6	2.0	16.2	
		6	P			9	B		

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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COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
BORING NO. #1: E Abut. Median Station 325+31.1 Offset 0.00ft Ground Surface Elev. 707.26 ft					Very dense, tan, weathered, Limestone fragments and Gravel in tan, Silt matrix Auger refusal @ 48' Assumed Limestone (continued)	17			
						27			14.5
Hard, brown, Silty Clay Loam Till						30			
						35			15.1
Augered, brown black, Silty Clay fill with Concrete debris						45			
Hard, brown gray, Silty Clay Loam Till						100/4'			11.2
Very dense, gray, Limestone Gravel up to Boulder size	691.83	4	4.5	16.6		5			
		7	P			10	B		17.1
Very stiff, gray, Silty Clay Loam Till						5			
						6	7.4	17.0	
Hard, gray, Limestone (verified by cuttings) Auger refusal @ 30' Very hard, slow grinding @ 29' End of Boring	689.33	5				6			5.1
		7	S			7			
Very stiff, gray, Silty Clay Loam Till						3			
						6	5.8	15.7	
Very stiff, gray, Silty Clay Loam Till						6	S		
Very stiff, gray, Silty Clay Loam Till						4			
						5	3.1	14.9	
Very stiff, gray, Silty Clay Loam Till						8	B		
Very stiff, gray, Silty Clay Loam Till						3			
						5	3.9	16.2	
Very stiff, gray, Silty Clay Loam Till						9	B		
Very stiff, gray, Silty Clay Loam Till						3			
						5	4.0	18.3	
Very stiff, gray, Silty Clay Loam Till						8	B		

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BBS, from 137 (Rev. 8-99)



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Date 8/23/06

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COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
BORING NO. #2: NW Quad. W Abut. Station 325+93.1 Offset 80.00ft Ground Surface Elev. 698.83 ft					Very stiff, gray, Silty Clay Loam Till (continued)	2			
						4	3.1	17.8	
Augered, brown black, Silty Clay fill with Concrete debris						6	B		
Hard, brown gray, Silty Clay Loam Till						4			
						6	3.9	17.2	
Hard, brown gray, Silty Clay Loam Till						8	B		
Hard, brown gray, Silty Clay Loam Till						3			
						5	2.7	17.1	
Very dense, gray, Limestone Gravel up to Boulder size						10	B		
Hard, gray, Limestone (verified by cuttings) Auger refusal @ 30' Very hard, slow grinding @ 29' End of Boring	689.33	5				100/3'			
		6	7.4	17.0		6			
Very stiff, gray, Silty Clay Loam Till						3			
						6	5.8	15.7	
Very stiff, gray, Silty Clay Loam Till						6	S		
Very stiff, gray, Silty Clay Loam Till						4			
						5	3.1	14.9	
Very stiff, gray, Silty Clay Loam Till						8	B		
Very stiff, gray, Silty Clay Loam Till						3			
						5	3.9	16.2	
Very stiff, gray, Silty Clay Loam Till						9	B		
Very stiff, gray, Silty Clay Loam Till						3			
						5	4.0	18.3	
Very stiff, gray, Silty Clay Loam Till						8	B		

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BBS, from 137 (Rev. 8-99)

DESIGNED	AMV
CHECKED	PMH
DRAWN	AMV
CHECKED	PMH

SOIL BORING LOGS
STRUCTURE NO. 046-0146 (S.B.)
& STRUCTURE NO. 046-0147 (N.B.)

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street
Chicago, Illinois 60601
(312) 946-8600

SHEET NO. SR-45 SHEETS SR-48	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57	(46-2) VBR	KANKAKEE	558	372
CONTRACT NO. 66409			FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT		