STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 1

Date 6/12/06

ROUTE FAI-57 DESCRIPTION I-57 over IL 50 LOGGED BY Larry Myers

SECTION 46-2HB 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. 046-0014 & 0015
Station 311+37.70

BORING NO. #4: Approach: W Abut
Station 312+57.2
Offset 0.00ft
Ground Surface Elev. 707.10 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Augered, brown, Silty Clay Loam Till fill
705.10				
	3			Hard, brown gray, Silty Clay Loam Till fill
	4	4.5	14.5	
	5	P		
703.10				
	3			Very stiff, gray brown, Silty Clay Loam Till fill with layers of black gray, Silty Clay
-5	4	3.0	16.4	
	5	P		
	3			
	3	3.1	25.5	
	5	S		
698.10				
	3			Very stiff, black gray, Silty Clay fill
-10	4	2.2	24.3	
	7	S		
695.60				
	2			Stiff to hard, black gray, Silty Clay Loam Till fill
	3	1.6	19.2	
	5	S		
-15	3			
	5	4.5	14.2	
	8	P		
	3			
	5	3.0	23.3	
	6	P		
688.10				
-20	2			Very stiff, black to gray, Silty Clay with trace of native organics
	4			Very stiff, black to gray, Silty Clay with trace of native organics (continued)
685.60	6	P	26.8	
				Very stiff, brown gray, Silty Clay Till
	3			
	7	3.9	18.0	
682.60	10	S		
-25				Hard, brown gray, Silty Clay Loam Till
	6			
680.60	11	6.8	18.9	
	15	S		
				End of Boring
-30				
-35				
-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, from 137 (Rev. 8-99)

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SECTION 46-2HB 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. 046-0014 & 0015
Station 311+37.70

BORING NO. #5: Approach: E Abut
Station 310+24.2
Offset 0.00ft
Ground Surface Elev. 704.69 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Augered, brown, Silty Clay Loam Till fill
702.19				
	3			Very stiff, brown, Silty Clay Loam Till fill
	3	3.0	12.1	
	3	P		
700.19				
-5				Hard, gray, Silty Clay Loam Till fill
	2			
	2	4.5	14.9	
	7	P		
697.19				
	2			Hard to very stiff, brown gray, Silty Clay Loam Till fill
	4	4.7	16.7	
	10	S		
-10				
	3			
	5	4.3	18.4	
	10	S		
	3			
	5	2.1	19.6	
	5	S		
689.69				
-15	3			Very stiff, black and gray, Silty Clay Loam Till fill
	3	3.0	21.1	
	4	P		
687.69				
	3			Very stiff, brown gray, Silty Clay Loam Till fill with asphalt pieces at 21'
	3	2.3	19.5	
-20	6	S		
	3			Very stiff, brown gray, Silty Clay Loam Till fill with asphalt pieces at 21' (continued)
682.69	4	P	22.4	
				Hard, brown gray, Silty Clay Loam Till, in-situ
	4			
	8	5.0	17.4	
	12	S		
-25	5			
678.19	8	8.7	no sample	
	8	S		End of Boring
-30				
-35				
-40				

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COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 046-0014 & 0015
Station 311+37.70

BORING NO. #6: SW Quad: W Abut
Station 312+37.7
Offset 132.00ft Lt
Ground Surface Elev. 685.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 668.5 ft ▼
Upon Completion 673.5 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Augered, black, Silty Clay fill
683.00				
	3			Very stiff, brown, Silty Clay Loam Till
	5	3.7	17.4	
	6	S		
681.00				
-5	5			Hard, brown gray, Silty Clay Loam Till
	8	5.5	16.6	
	10	S		
	5			
	10	7.2	18.4	
	12	S		
675.50 -10				
	4			Very stiff, gray, Silty Clay Loam Till
	6	2.9	17.0	
	8	B		
▽				
	4			
	4	2.9	16.0	
	6	B		
-15	4			
	4	2.9	16.4	
669.00	10	B		
▼				Medium, brown, Loam to Clay Loam Till with free H2O at 17'
	2			
	2	1.0	17.3	
	3	P		
665.50 -20				
				Very dense, weathered, reworked, Dolomite pieces in tan, silty matrix (storm ripup clasts?)
	14			
	40		15.9	
	25			
658.00				
	18			Hard, white tan, bedded, Silt with minor, Dolomite pieces
	14		20.1	Auger refusal @ 38.5'
	15			Lost auger teeth
-25				
	12			
	13		18.2	
	20			
-30				
	30			
	18			
	17	>4.5	17.7	
	17	P		
-30				
	47			
	35	>4.5	9.7	
	100/3"	P		
-35				
	100/5"			
		>4.5	14.7	
		P		
	50			
	80	>4.5	15.2	
	100/2"	P		End of Boring
-40				

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BBS, from 137 (Rev. 8-99)

DESIGNED	AMV
CHECKED	PMH
DRAWN	AMV
CHECKED	PMH

SOIL BORING LOGS
STRUCTURE NO. 046-0144 (S.B.)
& STRUCTURE NO. 046-0145 (N.B.)

McDonough Associates Inc.
Engineers / Architects

130 East Randolph Street
Chicago, Illinois 60601
(312) 946-8600

SHEET NO.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SH-55	57	(46-2) HBR	KANKAKEE	558	326
SHEETS			CONTRACT NO. 66409		
SH-56	FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		