STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District #5, Ottawa

SOIL BORING LOG

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Date 6/9/06

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. #1: SE Quad: E Abut
Station 310+85.7
Offset 114.00ft Lt
Ground Surface Elev. 684.47 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 664.5 ft ▼
Upon Completion 673.0 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, brown, Silty Clay Loam Till					
	681.97				
Very stiff, brown gray, Silty Clay Loam Till			5		
			6	2.5	17.0
			7	P	
	679.97				
Hard, brown, Silty Clay Till		-5			
			5		
			7	6.4	17.3
			10	S	
			5		
			7	5.8	18.5
			11	S	
		-10			
			5		
			7	5.6	19.6
			10	S	
	672.47				
Stiff, gray, Silty Clay Loam Till			3		
			5	1.9	16.8
			5	B	
		-15			
			2		
			3	1.7	17.0
			8	B	
			2		
			3	no	
			5	recovery	
	665.47				
Cuttings indicate, loose brown, fine to medium, Sand with loose, Gravel	664.47 ▼	-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Free H2O at 20'			50		
Very dense, tan brown, weathered, fractured, Limestone to Dolostone Gravel to Boulders in reworked, Dolomite matrix with 12" coarse, Gravel at 25'			85		11.0
			100/3"		
			200/6"		
					10.0
		-25			
			15		
			10		10.0
			100/5"		
	656.97				
Hard, gray , lightly fractured, Dolomite	656.47		200/3"		
Auger refusal at 27.5'					5.5
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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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. #2: NW Quad: W Abut
Station 312+93
Offset 131.00ft Rt
Ground Surface Elev. 685.63 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 665.6 ft ▼
Upon Completion 676.6 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered brown, Silty Clay Loam Till					
	684.13				
Hard, brown, Silty Clay Till			4		
			5	4.5	17.7
			6	P	
			5		
		-5	6	5.8	19.5
			7	S	
			6		
			6	5.7	17.8
			10	S	
			6		
		-10	6	5.2	19.3
			7	S	
	674.63				
Very stiff, brown, Silty Clay Loam Till			4		
			4	2.9	19.0
			4	B	
	671.63				
Very soft, black brown, Loam with Sand and Gravel layers, free H2O			1		
		-15	wh		67.4
			wh		
			1		
			2		23.7
			3		
			2		
	665.63 ▼	-20	2	2.0	9.6

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, orange, Limestone to Dolostone, gravel in orange, Clay matrix (weathered Shale)	684.63		2	P	
Very soft, orange gray, weathered and reworked, Shale with Dolomite pieces (large pieces at 30')			1		
			wh		29.2
			wh		
			2		
		-25	1		64.2
			1		
			4		
			wh		75.4
			wh		
			wh		
		-30	7		63.0
			24		
	654.13				
Hard, gray, Dolomite (presumed)	653.63		200/3"	no recovery	
Auger refusal @ 31.5'					
End of Boring					
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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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. #3: NE Quad: E Abut
Station 310+42.7
Offset 119.00ft Rt
Ground Surface Elev. 686.15 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 672.7 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, brown, Silty Clay Loam Till					
	684.15				
Hard, brown, Silty Clay Loam Till			5		
			7	>4.5	16.2
			8	P	
		-5	6		
			7	5.0	18.9
			10	S	
			5		
			7	5.8	18.7
			11	S	
		-10	5		
			7	4.7	19.6
			11	S	
	674.65				
Very stiff, brown, Silty Clay Loam Till			5		
			6	3.3	16.2
			9	S	
		-15	3		
			4	4.0	17.7
	670.65		85	P	
Hard, gray, Dolomite Verified Top of Rock with second hole 5' North 15.5'			100/2"		
	668.65				
End of Boring					3.2
		-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, 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-54	57	(46-2) HBR	KANKAKEE	558	325
SHEETS SH-56			CONTRACT NO. 66409		
	FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		