STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District #8, Ottawa

Page 1 of 2

Date 6/15/06

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. #7: Center Pier: S
Station 311+26.7
Offset 90.00ft Lt
Ground Surface Elev. 687.32 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 667.8 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, bituminous, concrete and brown gray, Silty Clay Loam Till					
	684.82				
Hard, brown gray, Silty Clay Loam Till			2		
			4	4.5	21.3
			6	P	
		-5			
			5		
			6	4.5	17.2
			10	P	
			7		
			10	7.4	18.2
			14	S	
		-10			
			5		
			7	6.0	18.1
			14	S	
			4		
			8	6.8	17.5
			10	S	
	672.32	-15			
Very stiff, gray, Silty Clay Loam Till			4		
			6	3.9	15.3
			9	B	
			3		
			4	2.0	15.9
			6	B	
	667.82 ▼				
		-20			
Medium, brown, Sand to Sandy Loam			4		
Limestone Gravel up to Boulder size with free H20 *(continued)*			15		12.4
	665.32		12		
Medium to very dense, gray, Dolomite Gravel (up to Boulder size) in weathered, Dolomite, tan, Silt and weathered, Shale matrix			100/4"		
					6.7
		-25			
			14		
			10		11.7
			13		
			30		
			100/5"		16.4
		-30			
			6		
			14		21.0
			100		
			14		
			28		14.6
			33		
		-35			
			22		
			100/4"		10.4
	648.82				
Hard, gray, Dolomite identified by fragments in spoon and auger head	648.32		100/2"		
		-40	no recovery		

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. #7: Center Pier: S
Station 311+26.7
Offset 90.00ft Lt
Ground Surface Elev. 687.32 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 667.8 ft ▼
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Auger refusal @ 38.5'				
End of Boring				
	-45			
	-50			
	-55			
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Date 8/16/06

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. #8: Center Pier: N
Station 311+24.7
Offset 71.00ft Rt
Ground Surface Elev. 688.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 673.7 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Cored, augered, bituminous, concrete, white, Gravel and brown, Silty Clay Loam					
	685.70				
Very stiff, brown, Silty Clay Loam Till			3		
			4	3.0	28.3
			4	P	
		-5			
			3		
			3	2.8	16.3
			4	P	
	680.70				
Hard, brown gray, Silty Clay Loam Till			2		
			6	6.6	17.2
			7	S	
	678.20	-10			
Stiff, brown gray, Silty Clay Loam Till			1		
			2	1.5	30.6
			2	P	
	676.20				
Hard, brown gray, Silty Clay Loam Till			3		
			4	6.4	19.8
			8	S	
		▽ -15			
			4		
			7	5.2	17.5
			8	S	
	670.70				
Medium, brown, Silty Clay Loam Till with Gravel			wh		
			2	0.5	18.6
			2	P	
	668.20	-20			
Very dense, gray, Dolomite Gravel, pieces to Boulder size, in tan, Silt matrix			6		
			22		6.6
			44		
			100		
Auger refusal at 22'					
	665.70		100/2"		10.7
End of Boring					
		-25			
		-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)

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-56	57	(46-2) HBR	KANKAKEE	558	327
SHEETS SH-56			CONTRACT NO. 66409		
	FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		