STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

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Date 4/24/06

ROUTE FAP 587 (US34) DESCRIPTION Box Culvert: US 34 over drainage LOGGED BY Larry Myers

SECTION 22 I & I-1 LOCATION SW 1/4, SEC. 32, TWP. 36N, RNG. 01E, 3rd PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-2545
Station 1176+57.28

BORING NO. #1: NW Quad
Station 1176+30.28
Offset 35.00ft Lt
Ground Surface Elev. 763.22 ft

Surface Water Elev. 759.75 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 751.2 ft ▼
Upon Completion 740.2 ft ▽
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, black, Silty Clay					
	760.72				
Stiff, black, Silty Clay			5		
			3	1.5	30.1
			3	P	
	758.22	-5			
Medium, gray, Silty Clay Loam to Silt Loam to Silty Clay to Silt with trace organics (Alluvial Deposit)			2		
			2	0.8	26.2
			2	P	
			wh		
			wh	0.7	25.3
			4	B	
	753.22	-10			
Loose to medium, brown, loamy, fine, Sand to coarse, Gravel with pockets of Loam (Alluvial deposit)			3		
			5		8.2
			3		
			5		
			8		13.0
			10		
	748.22	-15			
Hard, gray, Clay with minor Silt			5		
			8	6.5	22.2
			14	S	
			8		
			12	5.4	21.7
			15	S	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, gray, Clay with minor Silt (continued)			5		
			10	5.6	22.0
			15	S	
			8		
			10	4.8	22.2
			12	S	
		-25			
			8		
			10	4.9	22.3
			12	S	
	736.22				
Very stiff, gray, Clay with very minor Silt			4		
			5	2.9	27.4
			7	S	
		-30			
			4		
			6	2.1	26.7
			8	S	
		-35			
			4		
			5	2.2	26.7
			8	S	
	728.72				
End of Boring					
		-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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COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-2545
Station 1176+57.28

BORING NO. #2: NE Quad
Station 1176+80.28
Offset 42.00ft Lt
Ground Surface Elev. 763.69 ft

Surface Water Elev. 759.75 ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, black, Silty Clay					
	761.19				
Stiff, black, Silty Clay			2		
			2	1.5	40.8
			3	P	
		-5			
			2		
			1	1.0	38.1
			2	P	
	758.19				
Very loose to medium, brown, loamy, fine, Sand to coarse, Gravel with layers and pockets of Silt to Loam			wh		
			2		19.8
			1		
		-10			
			1		
			4		13.4
			8		
	751.19				
Very stiff to hard, gray, Silty Clay Loam Till			4		
			5	3.3	13.8
			8	S	
		-15			
			5		
			8	5.1	14.4
			12	S	
			4		
			5	3.3	13.3
			6	S	
	744.19				
Very soft, gray, Silty Clay Loam Till		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very soft, gray, Silty Clay Loam Till (continued)			1		
			wh	no	
			wh	recovery	
			wh		
			wh		21.7
	739.69		1		
Stiff, gray, Clay with very minor Silt		-25			
			wh		
			1	1.0	31.8
			2	S	
			wh		
			4	1.5	29.6
			5	S	
		-30			
			2		
			4	1.7	26.9
			5	S	
	730.69				
Very stiff, gray, Clay with very minor Silt		-35			
			2		
			5	2.5	22.7
			6	S	
	727.19				
End of Boring					
		-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	JKC
CHECKED	JLS
DRAWN	NV
CHECKED	JKC

CHAMLIN & ASSOCIATES
PERU ILLINOIS MORRIS

SOIL BORINGS

SHEET NO. 4	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4 SHEETS	587	(22) I & I-1	LASALLE	31	21
	SN 050-2052		CONTRACT NO. 66835		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		