F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	465 VB-R-1	COOK	103	81
STA. 173+50 TO STA. 195+00				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract # 60407 SHEET NO. S48 of S60

Illinois Department of Transportation
Division of Highways
Illinois Dept of Transportation
FAP 330 U.S. 12/45

SOIL BORING LOG

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Date 4/3/03

ROUTE (Mannheim Rd) DESCRIPTION Bridge over SOO Line RR Yard and Frankl LOGGED BY C. Goddard

SECTION 465 VB-R-1 LOCATION SE 1/4, SEC. 20, TWP. T40N, RNG. R12E

COUNTY Cook DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. 016-2815
Station

BORING NO. B-1
Station 180+86
Offset 57.00ft Lt CL
Ground Surface Elev. 648.64 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 642.6 ft ▼
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Surface Gravel	648.14				
Very Loose to Loose Gray Fine to Medium Gravel with Sand			5		
			5		9.3
			4		
		-5			
*			3		
		▼	2		12.7
			2		
*			2		15.0
Note: Recovery Not Recorded			2		
			2		
	638.44	-10			
Stiff to Hard, Brown SILTY CLAY (PP = 2.0 tsf)**			1	0.4	26.3
			2	B	23.8
2" Seam Soft Gray SILTY CLAY @ 10ft, just below Gravel			3	4.3 B	
			3		
(PP = 3.5 tsf)**			3	4.3 B	20.5
			4		
		-15			
			2		
Grades to Gray, Stiff to Very Stiff			3	2.0 S * 13%	18.6
			4		
			2		
			4	2.0 B	20.8
			5		
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff to Very Stiff Gray SILTY CLAY (continued)			3		
			5	2.8	19.6
	627.14		6	B	
* Sample Drained, Moisture Content not Correct					
** Rimac results at 10.5ft and 13.0ft appear to be too high.					
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)

Illinois Department of Transportation
Division of Highways
Illinois Dept of Transportation
FAP 330 U.S. 12/45

SOIL BORING LOG

Page 1 of 1

Date 4/3/03

ROUTE (Mannheim Rd) DESCRIPTION Bridge over SOO Line RR Yard and Frankl LOGGED BY C. Goddard

SECTION 465 VB-R-1 LOCATION SE 1/4, SEC. 20, TWP. T40N, RNG. R12E

COUNTY Cook DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. 016-2815
Station

BORING NO. B-2
Station 179+21
Offset 55.00ft Lt CL
Ground Surface Elev. 648.55 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 629.1 ft ▼
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Surface Gravel	648.05				
Soft, Black, SILTY CLAY LOAM Trace Fine to Medium Gravel					18.0
			2		
			3		33.2
			4		
	644.55				
Stiff to Very Stiff Brown SILTY CLAY		-5			
			1		
			2	1.2	26.7
			2	B	
			2		
Grades w/trace pebbles			2	1.4	19.9
			3	B	
		-10			
			3		
			4	5.6	20.2
			7	B	
			3		
Grades to Gray and Brown			5	3.3	18.9
			7	B	
		-15			
			2		
			4	1.7	19.1
			5	B	
			2		
			3	2.2	20.3
			5	B	
		▼ -20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff to Very Stiff Gray and Brown SILTY CLAY (continued)			2		
			3	1.6	19.0
	627.05		5	B	
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)

REVISIONS	
NAME	DATE

EARTH TECH | AECOM

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS B-1 & B-2

FAP 330 US 12/45 (MANNHEIM RD.) OVER
SOO LINE RR & FRANKLIN AVE.
STRUCTURE NO. 016-2815

SECTION 465 VB-R-1 COOK COUNTY
STA. 183+33.30 DRAWN BY JHR
DATE 7/2009 CHECKED BY DSB