STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 2247	13X-BR-1	BUREAU	51	29
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 17
19 SHEETS

Contract #64938

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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Date 2/26/04

ROUTE FAS 2247 DESCRIPTION P92-089-03 US 6 Bridge over Brush Creek, .1 m. W. of DePue Spur LOGGED BY W. Garza

SECTION 13X - BR-1 LOCATION Selby Twp. - 15 SE, 22NE, SEC. , TWP. 16N, RNG. 10E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 006-0169
Station 1510+61

BORING NO. B-1
Station 1509+74
Offset 10.00ft Rt of CL
Ground Surface Elev. 631.5 ft

Surface Water Elev. 620.7 ft
Stream Bed Elev. 619.7 ft

Groundwater Elev.:
First Encounter 618.5 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
12" Asphalt					
MEDIUM tan SAND					7
	629.00				
MEDIUM tan SAND & GRAVEL			5 8 12		
	627.00	-5			
VERY STIFF dark gray SILTY CLAY LOAM			2 4 5	3.0 P	21
	625.00				
MEDIUM dark gray SILTY CLAY LOAM			2 2 3	0.8 P	20
	622.00	-10			
MEDIUM tan SAND & GRAVEL			8 6 7		
	620.00				
LOOSE gray medium SAND		▼	5 4 5		
	617.50	-15			
MEDIUM gray SAND & GRAVEL			6 6 7		
	615.00				
MEDIUM gray SAND & GRAVEL			8 6 7		
	612.50	-20			
MEDIUM gray SAND & GRAVEL			9 7 12		
	610.00				
Wash			9 8 8		
MEDIUM gray SAND & GRAVEL	607.50	-25			
Wash			8 9 11		
MEDIUM gray clean medium coarse GRAVEL	604.50				
VERY STIFF gray CLAY TILL			3 4 8	2.9 B	22
	602.50	-30			
VERY STIFF gray CLAY TILL			3 6 9	3.3 B	21
	600.00				
STIFF gray CLAY TILL			4 5 6	1.7 B	26
	597.50	-35			
STIFF gray CLAY TILL with SILT lens			2 3 5	1.7 B	25
	595.00				
VERY STIFF gray SILT with SAND			6 9 9	2.3 S	9
	592.00	-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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Page 2 of 2

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BORING NO. B-1
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Groundwater Elev.:
First Encounter 618.5 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM gray dirty SAND & GRAVEL			6 11 17		
	590.00				
VERY DENSE gray well-cemented SAND with CLAY TILL lens			5 11 50		
	587.00	-45			
VERY STIFF gray CLAY TILL with GRAVEL			8 9 14	2.5 B	9
	585.00				
VERY DENSE gray hard CLAY TILL			20 27 37		
	582.50	-50			
VERY DENSE gray hard CLAY TILL			26 100/11" PEN		
	580.00				
VERY DENSE gray hard CLAY TILL			63 45 55		
	577.50				
End of Boring		-55			
		-60			

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)

SOIL BORINGS
FAS ROUTE 2247 (U.S. 6)
OVER BRUSH CREEK
SECTION 13X-BR-1
BUREAU COUNTY
STA. 1510+65.80
SN 006-0169