

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	JULY	SHEET	SHEET NO. 18
FAS 2247	13X-BR-1	BUREAU	51	30	19 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #64938

Illinois Department of Transportation  
Division of Highways

### SOIL BORING LOG

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Date 2/27/04

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, 22 NE, SEC., TWP. 16N, RNG. 10E

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

STRUCT. NO. 006-0169 (Prop) Station 1510+61

BORING NO. B-2 Station 1510+36  
Offset 27.00ft Lt. of CL  
Ground Surface Elev. 626.9 ft

Soil Description	Depth (ft)	D	B	U	M	Soil Description	Depth (ft)	D	B	U	M
MEDIUM brown SILTY CLAY LOAM			0.6	17		MEDIUM gray clean medium coarse GRAVEL	620.7				
			P				619.7				
						Groundwater Elev.: First Encounter 618.9 ft Upon Completion Wash ft					
						After Hrs.					
VERY STIFF brown SILTY CLAY LOAM	624.40	4	2.5	23		Wash					
	622.90	4	B			STIFF gray CLAY TILL with SILT lens	602.90	3	4	1.9	20
								8	B		
SOFT brown SILTY LOAM	619.90	3	0.4	32		STIFF gray CLAY TILL	600.40	6	9	1.1	20
		3	B					10	P		
		2									
LOOSE gray SAND & GRAVEL	617.90	4				VERY STIFF gray CLAY TILL	597.90	5	5	2.1	17
		4						8	B		
		4									
MEDIUM gray SAND & GRAVEL	615.40	4				HARD gray CLAY TILL with SAND lens	594.90	7	9	4.1	18
		5						14	B		
		6									
MEDIUM gray clean medium coarse GRAVEL	612.90	5				MEDIUM gray clean medium coarse GRAVEL	592.40	15	10		
		7						15			
		8									
MEDIUM, Same as above	610.40	6				Wash	590.40	6	7	3.9	13
		7				VERY STIFF gray CLAY TILL with SAND lens		15	B		
		8									
Wash	607.90	9				HARD gray CLAY TILL with bottom 5" SAND	587.90	10	15	4.7	8
MEDIUM gray clean medium coarse GRAVEL		6						30	S		
		7									

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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BORING NO. B-2 Station 1510+36  
Offset 27.00ft Lt. of CL  
Ground Surface Elev. 626.9 ft

Soil Description	Depth (ft)	D	B	U	M
DENSE gray hard CLAY TILL	584.90	15	19	4.4	9
			21	S	
VERY DENSE gray fine SAND	582.40	22	34		
		47			
HARD gray CLAY TILL with GRAVEL	580.40	7	18	8.7	9
		20	S		
top 8" VERY STIFF gray CLAY TILL with GRAVEL, bottom 8" VERY DENSE gray fine SAND	577.90	36	100/10"	3.7	8
			PEN	S	
End of Boring	-50				
	-55				
	-60				

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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