
Illinois Department of Transportation
 Division of Highways
 ILLINOIS DEPARTMENT OF TRANSPORTATION


SOIL BORING LOG

Page 1 of 1
Date 6/25/04

ROUTE F.A.I. 80 DESCRIPTION CANTILEVER SIGN TRUSS LOGGED BY WK
 SECTION 99-1 (K, BY & AC-B) LOCATION N/E 1/4, SEC. 28, TWP. 35, RNG. 9E
 COUNTY WILL DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME AUTOMATIC

STRUCT. NO. Station	D E P T H S	B L O W S	U C S	M O I S T U R E	Surface Water Elev.		Groundwater Elev.	
					ft	ft	ft	ft
BORING NO. <u>SB-8</u> Station <u>1079+00</u> Offset <u>77.79R RT</u> Ground Surface Elev. <u>588.5</u> ft	(ft)	(#)	(#)	(%)				
TOPSOIL	588.00							
Very Stiff Brown and Gray CLAY, trace sand		2						
		3	3.3	21				
		5	B					
		3						
grades to stiff, occasional sand seams		5	2.0	25				
		7	B					
	581.00	3						
Medium Dense Brown and Gray, Fine to Coarse SAND, trace gravel		3		20				
		9						
	579.00	2						
Stiff Gray CLAY, trace sand and gravel, occasional silt seams		4	2.0	22				
		5	P	20				
	575.00	100/4		8				
Gray Apparent Weathered DOLOMITE				5				
	573.40	100/1		8				
End of Boring								

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 WILL DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME AUTOMATIC

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					ft	ft	ft	ft
BORING NO. <u>SB-9</u> Station <u>1074+37.6</u> Offset <u>0.00R</u> Ground Surface Elev. <u>587.57</u> ft	(ft)	(#)	(#)	(%)				
TOPSOIL	587.07							
Loose, Brown Fine to Coarse SAND, trace gravel (saturated)		3						
		3		18				
		6						
	583.07	2						
Medium Stiff to Stiff, Brown and Gray CLAY, trace sand and gravel		2	0.9	15				
		3	B					
		3						
grades to Gray, with occasional sand seams		7	1.3	18				
		12	B					
	577.57	7						
Very Stiff, Gray SANDY CLAY with gray dolomite fragments		8	4.0	7				
		23	P					
	575.57	100/1		10				
Gray Apparent Weathered DOLOMITE								
End of Boring	574.97	100/1						

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 COUNTY WILL DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME AUTOMATIC

STRUCT. NO. Station	D E P T H S	B L O W S	U C S	M O I S T U R E	Surface Water Elev.		Groundwater Elev.	
					ft	ft	ft	ft
BORING NO. <u>SB-10</u> Station <u>1074+37.6</u> Offset <u>78.03H LT</u> Ground Surface Elev. <u>587.10</u> ft	(ft)	(#)	(#)	(%)				
TOPSOIL	586.66	4						
Loose, Brown Fine to Medium SAND, trace coarse gravel		3		19				
		3						
	584.10	2						
Stiff, Gray CLAY LOAM		2	1.6	22				
		4	B					
		1						
		3	1.0	13				
		7	B					
	579.10	11						
Medium Dense, Gray SILTY LOAM (difficult drilling, possible rock fragments)		14		8				
		15						
	577.10	100/2						
Gray Apparent Weathered DOLOMITE								
	574.60	100/2						
End of Boring								

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					ft	ft	ft	ft
BORING NO. <u>SB-11</u> Station <u>1063+11</u> Offset <u>77.48H RT</u> Ground Surface Elev. <u>586.94</u> ft	(ft)	(#)	(#)	(%)				
Bituminous Pavement 4 inches, Bituminous Grndings 14 inches	586.69							
Stiff Black SILTY CLAY LOAM	587.44							
	585.94	3	1.5	23				
Hard Brown with Gray Mottling CLAY		3	P					
		5	4.5	21				
		5						
		4		20				
		8	7.4					
		9	B					
Little Recovery		4						
		6						
		10						
	578.94	1		28				
Loose Fine to Medium SAND		5						
	577.94	9	3.5	18				
Very Stiff Gray CLAY			P					
		12		12				
Grades with gravel		5						
		12						
	573.94	2						
Medium Dense Gray SILTY LOAM		12		13				
		13						
	572.44	100/1						
Gray Apparent Weathered DOLOMITE								
Washed from about 10 feet End of Boring	571.34	100/1						

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F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80-55	99-1(K, BY & AC-B)	WILL	497	323
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 80906	