



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 4/15/08

ROUTE FAP 301 DESCRIPTION P92-081-08 Pipe culvert, 0.3 m. S. of N. High Ridge Road LOGGED BY W. Garza

SECTION 30-M-2 LOCATION Rawlins Twp., SEC. 2, TWP. 28N, RNG. 1W

COUNTY JoDaviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O D E	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O D E
92+52					90.00				
B-1 92+20					77.5				
32.00ft LI CL 97.00									
MEDIUM brown SILTY CLAY LOAM			0.8	19.0	VERY STIFF gray/tan CLAY (continued)	76.00	16	3.1	21.0
			P						
VERY STIFF brown SILTY CLAY LOAM		5			VERY STIFF gray/tan CLAY		8		
		5	2.3	24.0			12	2.5	20.0
93.50		6	B			73.50	18		
VERY STIFF dark gray SILTY LOAM		3			HARD tan CLAY		5		
		4	2.1	25.0			19	4.5	18.0
91.00		5	B			71.00	23	B	
MEDIUM dark gray SILTY CLAY LOAM		1			VERY STIFF tan/gray SHALE/CLAY		21		
		2	0.8	33.0			33	2.9	14.0
88.50		3	B		End of Boring	88.50	74	S	
STIFF gray SILTY CLAY LOAM		3							
		4	1.4	28.0					
86.00		5	B						
SOFT gray SILTY LOAM		1							
		2	0.4	27.0					
83.50		5	B						
HARD tan CLAY LOAM		3							
		6	6.0	19.0					
81.00		9	B						
HARD gray/tan CLAY LOAM		6							
		8	4.1	18.0					
78.50		12	B						
VERY STIFF gray/tan CLAY		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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92+52					92.90				
B-2 92+96					87.0				
50.00ft RI CL 96.50					92.5				
SOFT brown SILTY CLAY LOAM			0.3		VERY STIFF tan CLAY (continued)	75.50	12	3.5	
			P				16	S	
MEDIUM light brown SILTY CLAY LOAM		1			HARD tan/gray CLAY		8		
		2	1.0				13	4.1	
93.00		4	B			73.00	15	S	
SOFT gray SILTY CLAY LOAM		1			HARD tan CLAY/SHALE		14		
		2	0.4				17	6.0	
90.50		3	B		End of Boring	70.50	21	S	
SOFT tan SILTY LOAM		2							
		3	0.4						
88.00		3	B						
MEDIUM gray SILTY LOAM		2							
		2	0.5						
85.50		4	B						
HARD tan/gray CLAY LOAM		3							
		7	4.5						
83.00		9	B						
HARD tan/gray CLAY		9							
		14	8.0						
80.50		18	B						
HARD tan CLAY		9							
		12	4.7						
78.00		18	B						
VERY STIFF tan CLAY		7							

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BBS, from 137 (Rev. 8-99)

FILE NAME =	USER NAME = IDOTCAD	DESIGNED - SPF	REVISED -
W:\2298-03 - US 20 IL 84 Intersection\CAD Sheets\0208108-sht-soilborings.dgn		DRAWN - AJP	REVISED -
PLOT SCALE = 20.0000' / IN.		CHECKED - JMS	REVISED -
PLOT DATE = 1/21/2009		DATE - 01/23/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	30-M-2	JoDAVISS	81	47
CONTRACT NO. 64E29				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				