

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 314	108BR-1	MADISON	123	55
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT-	

SHEET NO. 27  
29 SHEETS

Contract #76454

**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG** Page 1 of 3 Date 1/19/71

ROUTE FAP 314 DESCRIPTION IL 4 over Silver Creek LOGGED BY J. King

SECTION 108BR-1 LOCATION SW 14, SW 14, SEC. 20, TWP. 5N, RNG. 6W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0106 Station 264+00

BORING NO. 4 Pier 2 Station 263+05 Offset 20.00ft Right Ground Surface Elev. 497.9 ft

DEPTH (ft)	SOIL DESCRIPTION	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) FAILURE MODE	BLOW COUNT	DEPTH (ft)	SOIL DESCRIPTION	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) FAILURE MODE	BLOW COUNT
0	Surface Water Elev.			0	Surface Water Elev.		
0	Stream Bed Elev.			0	Stream Bed Elev.		
0	Groundwater Elev.:			0	Groundwater Elev.:		
0	First Encounter			0	First Encounter		
0	Upon Completion			0	Upon Completion		
0	After Hrs.			0	After Hrs.		
7	Gray Silty Sandy CLAY (Layers of Medium Sand) (continued)	S	61	7	Gray Silty Sandy CLAY (Layers of Medium Sand) (continued)	S	21
475.8				475.8			
6	Gray Fine to Coarse SAND with Gravel	S	26	6	Gray Fine to Coarse SAND with Gravel	S	26
10				10			
11				11			
11	Gray Clay TILL	NC	22	11	Gray Clay TILL	NC	22
468.3				468.3			
4				4			
4				4			
483.3				483.3			
2	Gray Silty CLAY	S	25	2	Gray Silty CLAY	S	25
480.8				480.8			
6	Gray Silty Sandy CLAY (Layers of Medium Sand)	S	22	6	Gray Silty Sandy CLAY (Layers of Medium Sand)	S	22
80				80			
80				80			

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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8	Gray Clay TILL (continued)	S	20	8	Gray Clay TILL (continued)	S	20
64				64			
20				20			
20	Gray Fine to Coarse SAND See Gradation @ 65 ft	S	14	20	Gray Fine to Coarse SAND See Gradation @ 65 ft	S	14
28				28			
24				24			
24	Gray Gravelly Medium to Coarse SAND See Gradation @ 70 ft	S	10	24	Gray Gravelly Medium to Coarse SAND See Gradation @ 70 ft	S	10
428.4				428.4			
24				24			
24	Gray Medium to Coarse SAND with some Gravel See Gradation @ 75 ft	S	17	24	Gray Medium to Coarse SAND with some Gravel See Gradation @ 75 ft	S	17
443.4				443.4			
9	Gray Clay LOAM	S	18	9	Gray Clay LOAM	S	18
10	Boring Extended on 4/19/05 at Station 263+24, 20 ft Right			10	Boring Extended on 4/19/05 at Station 263+24, 20 ft Right		
421.9				421.9			
8	Gray Silty LOAM	S	10	8	Gray Silty LOAM	S	10
418.4				418.4			
8	Gray Silty SAND	S	8	8	Gray Silty SAND	S	8

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DEPTH (ft)	SOIL DESCRIPTION	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) FAILURE MODE	BLOW COUNT	DEPTH (ft)	SOIL DESCRIPTION	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) FAILURE MODE	BLOW COUNT
34	Gray Silty SAND (continued) See Gradation @ 80 ft	S	23	34	Gray Silty SAND (continued) See Gradation @ 80 ft	S	23
9				9			
413.4				413.4			
0	Gray Silty LOAM	S	24	0	Gray Silty LOAM	S	24
3				3			
408.4				408.4			
90	Gray SHALE	NC	13	90	Gray SHALE	NC	13
502				502			
502				502			
401.9				401.9			
100	End of Boring			100	End of Boring		

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BBS, from 137 (Rev. 8-99)

**BORING LOGS**  
**F.A.P. RTE. 314 - SEC. 108BR-1**  
**MADISON COUNTY**  
**STATION 263+51**  
**STRUCTURE NO. 060-0334**