

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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**Illinois Department of Transportation**  
Division of Highways  
District 8 Materials

### SOIL BORING LOG

IL 158777 over Loop Creek, 1 mile west of IL 158  
Junction (constructed as SBI 15, Section 28BR)

ROUTE FAU 9251 DESCRIPTION Junction (constructed as SBI 15, Section 28BR) LOGGED BY Clarence Neal

SECTION 28-4BR LOCATION Center, SEC. 28, TWP. 1N, R1NG. 7W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-0058 (E) Station 366+64

BORING NO. 2 Station 366+17  
Offset 6.00ft Right  
Ground Surface Elev. 443.9 ft

DEPTH (ft)	B	L	U	M	Description	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After
										(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
0					Blue Silty CLAY										
423.00					Blue SILT (continued)										
7					Sandy Silty CLAY										
1.74															
5															
1.72															
20					Gray Sandy Silty CLAY Lost Sample										
418.00															
28															
2.86															
30															
23															
3.68															
411.00					Gray TILL										
26															
4.41															
429.00					Blue SILT										
8															
1.64															
406.50					End of Boring										
19															
4.57															
7															
1.88															

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 T208)  
BBS, form 137 (Rev. 8-99)

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### SOIL BORING LOG

IL 158777 over Loop Creek, 1 mile west of IL 158  
Junction

ROUTE FAU 9251 DESCRIPTION Junction LOGGED BY Schreeder/Ford

SECTION 28-4BR LOCATION Center, SEC. 28, TWP. 1N, R1NG. 7W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-0058 (E) Station 366+18

BORING NO. 4 Station 366+68  
Offset 37.00ft Right  
Ground Surface Elev. 435.38 ft

DEPTH (ft)	B	L	U	M	Description	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After
										(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
0					Brown Silty LOAM										
4					Brown Silty LOAM (continued)										
1.8															
5															
413.38															
2					Gray Coarse SAND										
412.38															
2															
3					Gray Silty Clay LOAM										
1.4															
2															
2					(Sand Lenses)										
4															
3.6															
7					(Sand Lenses)										
2															
2															
3.4															
9															
3.20															
1															
0.8															
2															
2															
1															
0.7															
2															
2															
1.5															
6															
3.20															
1															
1.2															
3															
3															
1.2															
2															
2															
1.2															
2															
3.8															
9															
3.20															
0															
2															
1.2															
2															
1															

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										(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
9					Gray Silty Clay LOAM (continued)										
4.1															
10															
2															
2															
1.8															
8															
3.20															
387.38					Gray Weathered SHALE										
30															
30															
50.3"															
2.3															
5.6															
383.88					Broken Weathered LIMESTONE Shelves										
382.88															
					LIMESTONE (Soft)										
380.88															
10															
NP															
55					End of Boring										
50															

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**BORING DETAILS**  
F.A.S. ROUTE 1848 - SECT  
ST. CLAIR