

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department
of Transportation

SOIL BORING LOG

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ROUTE FAI 64 DESCRIPTION IL 158 over FAI 64 (Re-Formatted 1958 Boring Log) LOGGED BY H.W. Lochner
SECTION 82-4.5.8-1R LOCATION NW 1/4, SEC. 27, TWP. 2N, RNG. 8W, 3 PM
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140R

STRUCT. NO. 082-0176 Station 537+26.79
BORING NO. 23B-S N. App. Bent Station 38+44 (IL 158) Offset 36.70M RT (IL 158)
Ground Surface Elev. 579.5 ft (M) (8") (1st) (%)

DEPTH (ft)	DESCRIPTION	DEPTH (ft)	DETERMINED	TEST	VALUES
0	Surface Water Elev.		R		
0	Stream Bed Elev.		R		
0	Groundwater Elev.:				
	First Encounter				
	Upon Completion				
	After 72 Hrs.	570.5	R	(M)	(8") (1st) (%)
12	Gray Silty CLAY (Top Soil)	12			1.28
577.0					
18	Reddish Brown SILT	18			1.25
574.5					
16	Gray and Reddish Brown SILT	16			1.57
572.0					
12	Gray SILT	12			1.89
-10					
12		12			1.28
-13					
15		15			2.11
-15					
15		15			2.01
-18					
13	Gray Silty CLAY	13			1.07
569.0					
35	Brown CLAY with trace of fine Gravel	35			2.57
562.0					
40					
539.5					

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)
BB9, from 137 (Rev. 8-88)



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ROUTE FAI 64 DESCRIPTION IL 158 over FAI 64 (Re-Formatted 1958 Boring Log) LOGGED BY H.W. Lochner
SECTION 82-4.5.6-1R LOCATION NW 1/4, SEC. 27, TWP. 2N, RNG. 8W, 3 PM
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140R

STRUCT. NO. 082-0176 Station 537+26.79
BORING NO. 23B-S N. App. Bent Station 38+44 (IL 158) Offset 36.70M RT (IL 158)
Ground Surface Elev. 579.5 ft (M) (8") (1st) (%)

DEPTH (ft)	DESCRIPTION	DEPTH (ft)	DETERMINED	TEST	VALUES
0	Surface Water Elev.		R		
0	Stream Bed Elev.		R		
0	Groundwater Elev.:				
	First Encounter				
	Upon Completion				
	After 72 Hrs.	570.5	R	(M)	(8") (1st) (%)
36	Gray and Brown CLAY with trace of fine Gravel	36			2.89
537.0					
31	Gray CLAY with trace of fine Gravel	31			2.57
534.5					
59	Gray CLAY with trace of cemented Sand and fine Gravel	59			1.38
53		53			1.30
529.5					
51	Fine Gray SAND	51			
527.0					
43	Gray CLAY with trace of cemented Sand and fine Gravel	43			2.89
46		46			2.59
522.0					
99	Gray SILT	99			
520.5					
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 T208)
BB9, from 137 (Rev. 8-88)

DESIGNED - T.J.Z.
CHECKED - C.W.C.
DRAWN - D.L.H.
CHECKED - C.W.C., S.D.S.

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DESIGN FIRM #184001036

BORING LOGS
STRUCTURE NO. 082-0176

SHEET NO. 31	F.A. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 114
34 SHEETS	CONTRACT NO. 76D59			ILLINOIS FED. AID PROJECT	