STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/22/59

ROUTE FAI 64 DESCRIPTION IL 159 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 140#

STRUCT. NO. 082-0178
Station 537+26.79

BORING NO. 23B-4 N. Abut
Station 36+02 (IL 159)
Offset 33.00ft LT (IL 159)
Ground Surface Elev. 576.6 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 0 (24 Hr) ft
Upon Completion ft
After 48 Hrs. 570.1 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Black Silty CLAY (Top Soil)			
574.1			
Brown and Black CLAY	7	1.55	
571.6 -5			
Brown Silty CLAY	10		
▽			
	9	1.32	
566.6 -10			
Grey and Brown SILT	14		
	16		
-15			
	17		
559.1			
Brownish Red SILT	13		
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu	MOIST (%)
Brownish Red SILT (continued)	14		
554.1			
Brown and Gray SILT	9		
551.6 -25			
Gray Silty CLAY	15	1.28	
	16	1.83	
546.6 -30			
Grey Silty CLAY with trace of cemented Sand	16	1.45	
	17	1.07	
-35			
541.6			
Grey and Brown Silty CLAY	21	1.7	
539.1			
Brown CLAY with trace of fine Gravel	31	2.38	
-40			

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. 8-88)

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DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown CLAY with trace of fine Gravel (continued)	35	2.34	
534.1			
Gray SILT	51		
531.6 -45			
Gray SILT	48		
529.1			
Grey SILT	93		
-50			
	107		
	115		
522.6			
End of Boring			
-55			

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. 8-88)

DESIGNED - TJZ
CHECKED - CWC
DRAWN - DLH
CHECKED - CWC, SDS

WHKS & co. ENGINEERING
7018 KINGSMILL CT.,
SPRINGFIELD, IL
(217) 483-9457
DESIGN FIRM #184001036

BORING LOGS
STRUCTURE NO. 082-0176

SHEET NO. 30	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34 SHEETS	64	82-5K-2	ST. CLAIR	162	113
			CONTRACT NO. 76D59		
		ILLINOIS	FED. AID PROJECT		