STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/23/58

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. 6W. 3 PM

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

STRUCT. NO. 082-0176
Station 537+26.79

BORING NO. 23B-3 Ctr. Pier
Station 35+21 (IL 159)
Offset 40.30ft RT (IL 159)
Ground Surface Elev. 579.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 579.2 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY (Top Soil)			
576.7			
Brown and Gray SILT	7		
574.2 -5			
Gray and Brown SILT	9		
571.7			
Gray and Brown SILT	11		
-10			
	15		
566.7			
Gray and Brown Silty CLAY with trace of Organics	16	1.5	
-15			
	14	1.45	
561.7			
Gray Silty CLAY	8		
559.2 -20			
Gray and Pinkish Silty CLAY	7	1.01	
556.7			
Gray Silty CLAY	11	1.07	
554.2 -25			
Grayish Blue Silty CLAY	13	1.28	
-30			
	15	1.7	
549.2 -30			
Gray Silty CLAY	16	1.76	
546.7			
Bluish Gray Silty Clay with trace of cemented Sand	15	1.25	
-35			
	16	1.76	
541.7			
Brown CLAY with trace of Gravel	27	1.95	
-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. 8-99)

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DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown CLAY with trace of Gravel (continued)			
	25	2.5	
538.7			
Gray CLAY with trace of fine Gravel	22	1.33	
-45			
	27	1.39	
-50			
	21	1.83	
-55			
	30	2.08	
525.7			
Gray Clay with trace of Gravel	36	1.7	
-65			
	52	3.29	
	73	2.6	
-80			
Gray Clay with trace of Gravel (continued)	41	2.19	
-85			
	48	3.41	
512.7			
End of Boring	83	2.54	
-100			

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)

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. 29	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34 SHEETS	64	82-5K-2	ST. CLAIR	162	112
			CONTRACT NO. 76D59		
		ILLINOIS	FED. AID PROJECT		