STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 592	28BR-2 28BR-3	ST. CLAIR	51	30
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 7
7 SHEETS

Contract #76904

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date

ROUTE FAP 592 DESCRIPTION IL 13/157 over Canal No. 1 LOGGED BY District 8

SECTION 28BR-2, 28BR-3 LOCATION , SEC. , TWP. 1N, RNG. 9W, 3 PM

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

STRUCT. NO. 082-0087
Station 429+06.10

BORING NO. 7
Station 428+50
Offset 18.00ft RT CL
Ground Surface Elev. 410.7 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 402.3 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray SILT			
	5	0.77 S	18
-5	4	0.66 S	29
	6	0.59 S	27
-10	3	0.52 S	32
399.2 Gray CLAY			
	3	0.33 S	62
-15	3	0.73 S	99
	1	0.39 B	76
-20			
Gray CLAY (continued)			
	2	0.33 B	82
	2	0.32 B	86
-25	2	0.26 B	74
	2	0.33 B	61
-30	2	0.39 B	54
	2	0.26 B	48
-35	2	0.33 B	61
	2	0.33 B	49
-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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COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

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First Encounter 402.3 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY (continued)			
	2	0.39 B	46
360.2 Gray Medium to Coarse SAND with Gravel			
	5	NC	
-45	21	NC	
	18	NC	
-50			
350.7	11	NC	
Gray SANDSTONE			
347.7	100+		
Gray SHALE (Very Hard)			
-55	100+		
	100+		
352.2 End of Boring			
-60			

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)

Notes:
(1) Stationing is based on existing roadway plans. See Sheet 1 of 7 for boring locations.

BORING LOGS
IL ROUTE 13/157 OVER CANAL NO. 1
ST. CLAIR COUNTY
STA. 428+43
STRUCTURE NO. 082-2568

USER NAME = $USER$