Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Date 3/11/91

ROUTE FAP 322 (US 51) DESCRIPTION over Main Drainage Ditch LOGGED BY K. Winschief

SECTION 11-10 LOCATION SW 1/4, SEC. 24, TWP. 12 N, RNG. 1 E, 3 PM

COUNTY Christian DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 011-0038 Pr
Station 470+82 +/-

BORING NO. 27A N. Pier
Station 471+00
Offset 30.00ft Rt
Ground Surface Elev. 636.0 ft

Surface Water Elev. 627.4 ft
Stream Bed Elev. 626.0 ft

Groundwater Elev.:
First Encounter No Data ft
Upon Completion No Data ft
After ____ Hrs. Plugged ft

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown SANDY CLAY LOAM - SAND LOAM Alluvium				
		3		
	-5	5	1.1 S	13
629.50				
Brown SILTY CLAY LOAM Alluvium		5	1.0 B	20
627.00				
Brown Grey Mottled SANDY CLAY LOAM	-10	4	1.0 B	22
624.50				
Grey SILT LOAM		5	1.4 B	22
622.00				
Medium - Coarse Brown SAND	-15	8		
617.50				
Grey SANDY CLAY LOAM (Till)	-20	21	1.0	12

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey SANDY CLAY LOAM (Till) (continued) Sampler Hit Boulder			B	
		35	3.5 S	8.4
	-25	33	6.1 S	8.8
		30	7.8 S	9.2
	-30	28	7.0 B	9.3
	-35	30	7.8 S	8.9
	-40	20	5.2	8.6

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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Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey SANDY CLAY LOAM (Till) (continued)			B	
	-45	28	5.7 S	9.5
	-50	25	4.1 S	10
585.50				
Boring Completed				
Borings 1-4 Completed By District 5 Geotechnical Unit. Converted to gINT format 01/17/01 by District 6.				
Converted to New Stationing 09/17/03 MRM.	-55			
	-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)

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

USER NAME =	DESIGNED - KMB	REVISED -
FILE NAME =	CHECKED - MTH	REVISED -
PLOT SCALE =	DRAWN - JMD	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 011-0038
SHEET NO. 24 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	200
		CONTRACT NO. 72961		
	ILLINOIS FED. AID PROJECT			