Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 1 of 2

Date 7/22/03

ROUTE FAP 322 (US 51) DESCRIPTION over Main Drainage Ditch LOGGED BY M. Tappan

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. 26 S. Abut
Station 470+10
Offset 40.00ft Rt
Ground Surface Elev. 638.1 ft

Surface Water Elev. 626.2 ft
Stream Bed Elev. 626.0 ft

Groundwater Elev.:
First Encounter 626.6 ft
Upon Completion Washed ft
After 72 Hrs. 629.1 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown and Dark Grey Moist SILTY CLAY			1		
		-5	2 3	1.3 B	17
Brown and Grey			1		
			2 2	1.0 B	24
Brown and Grey Moist SANDY CLAY LOAM	630.10		0		
		-10	1 2	0.5 B	14
Grey Medium to Coarse Grained SAND	628.10		0		
Free Water			1 2		
			1		
		-15	2 5		
w/ Some 1/4" Gravel			1 3 6		
Washed			2		
		-20	6 7		
Brown and Grey Moist CLAY LOAM (Till)	617.60		10		
Washed			14 15	6.3 S-10	9
Grey Moist CLAY LOAM (Till)	614.10		5		
		-25	10 14	4.5 S-10	9

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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SOIL BORING LOG

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Date 7/22/03

ROUTE FAP 322 (US 51) DESCRIPTION over Main Drainage Ditch LOGGED BY M. Tappan

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. 26 S. Abut
Station 470+10
Offset 40.00ft Rt
Ground Surface Elev. 638.1 ft

Surface Water Elev. 626.2 ft
Stream Bed Elev. 626.0 ft

Groundwater Elev.:
First Encounter 626.6 ft
Upon Completion Washed ft
After 72 Hrs. 629.1 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Moist CLAY LOAM (Till) (continued)			4		
		-45	9 14	4.8 B	10
Grey Medium to Coarse Grained SAND	590.10		27		
		-50	20 22		
Washed			13		
		-55	16 27		
w/ Grey Broken Limestone Washed	578.60		6		
		-60	17 41		
Grey Crystalline LIMESTONE Very Broken from 59.5-63.0' (continued)					
		-65			
		-70			
		-75			
		-80			
Auger Refusal in Limestone @ 63.0'	575.10		100 /2"		
Boring Completed					

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)

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ROUTE FAP 322 (US 51) DESCRIPTION over Main Drainage Ditch LOGGED BY M. Tappan

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. 27 N. Abut
Station 471+30
Offset 30.00ft Rt
Ground Surface Elev. 636.6 ft

Surface Water Elev. 626.2 ft
Stream Bed Elev. 626.0 ft

Groundwater Elev.:
First Encounter 625.6 ft
Upon Completion Washed ft
After 48 Hrs. 634.6 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown and Grey Moist SILTY CLAY			1		
			3 3	1.2 B	22
Grey Moist LOAM	631.60	-5	0		
			1 1	0.3 B	20
Grey Medium Grained SAND	610.10		0		
			0 2	0.4 B	21
Grey Moist SILT	626.60	-10	0		
Free Water			2 3	0.6 B	22
Grey Medium Grained SAND	624.10		0		
w/ Some 1/4" Gravel			0 1		
		-15	5		
Medium to Coarse Grained Washed			7 8		
			5		
		-20	8 13		
Grey Moist CLAY LOAM (Till)			5		
Washed			11 22	6.2 S-11	8
			7		
		-25	20 23	5.3 S-10	7
			2		
		-30	7 15		
Grey Moist CLAY LOAM (Till)	606.10		9		
Washed			21 29	7.3 S-10	8
		-35	4		
Washed			10 31	7.7 S-10	8
		-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)

(Sheet 1 of 3)

LIN ENGINEERING, LTD. Consulting Engineers Chatham, Illinois	USER NAME =	DESIGNED - KMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 011-0038	F.A.P. RTE. 322	SECTION 11-13	COUNTY CHRISTIAN	TOTAL SHEETS 437	SHEET NO. 198
	FILE NAME =	CHECKED - MTH	REVISED -					CONTRACT NO. 72961		
	PLOT SCALE =	DRAWN - JMD	REVISED -							
	PLOT DATE =	CHECKED - MTH	REVISED -		SHEET NO. 22 OF 24 SHEETS			ILLINOIS FED. AID PROJECT		