STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 1 of 1

Date 52005

ROUTE FAP 325 (IL 16) DESCRIPTION IL 16 over Drainage Ditch LOGGED BY M. Tappan

SECTION 114 (B-1) LOCATION SW 14, SEC. 23, TWP. 8 N, RNG. 9 W, 3 PM

COUNTY Macoupin DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 059-7000 Pr
Station 808+95

BORING NO. 1 SW WW
Station 808+13
Offset 14.0ft Rt
Ground Surface Elev. 606.0 ft

Surface Water Elev. 590.2 ft
Stream Bed Elev. 589.3 ft

Groundwater Elev.:
▽ First Encounter No Encounter ft
▼ Upon Completion Dry ft
▼ After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown and Grey Moist SILTY CLAY (Fill)			1		
		-5	2 4	1.2 B	19
			0		
Olive Brown Moist Shaley SILTY CLAY (Fill)			1 4	2.3 B	21
	597.00		2		
Dark Brownish Grey Moist SILTY CLAY		-10	4 4	1.0 B	26
	595.50				
Brown and Grey Moist CLAY LOAM (Till)			1		
			2 2	0.8 B	20
			1		
		-15	5 4	1.7 S-12	14
	589.50		1		
Brown and Light Grey Moist Shaley CLAY Residuum			4 4	1.2 S-12	15
			3		
Grey and Tan		-20	4 5	1.8 S-14	29
Brown and Light Grey Moist Shaley CLAY Residuum (continued)			2		
Tan & Grey			6 10	3.1 S-10	23
			2		
		-25	7 12	3.0 S-8	16
	578.50				
Grey Dry Fissile Clayey SHALE			11		
		-30	100 /5"		7
w/Grey Dry Calcareous SHALE Seams		-35	100 /2"		7
			50		
Boring Completed	566.00	-40	100 /6" B.S.		7

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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)

File Name S:\SOILS\GINT FILES\MACOUPIN\059-C101 IL 16 OVER DRAINAGE DITCH.GPJ Data Template DATEMP1.T.GDT Date Printed 4/8/07
Latitude 39 Deg 07.018 N Longitude 90 Deg 04.397 W Datum NAD83 Job Number

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Page 1 of 1

Date 5/18/05

ROUTE FAP 325 (IL 16) DESCRIPTION IL 16 over Drainage Ditch LOGGED BY M. Tappan

SECTION 114 (B-1) LOCATION SW 1/4, SEC. 23, TWP. 8 N, RNG. 9 W, 3 PM

COUNTY Macoupin DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 059-7000 Pr
Station 808+95

BORING NO. 2 NE WW
Station 809+24
Offset 11.0ft Lt
Ground Surface Elev. 606.4 ft

Surface Water Elev. 590.2 ft
Stream Bed Elev. 589.3 ft

Groundwater Elev.:
▽ First Encounter No Encounter ft
▼ Upon Completion Dry ft
▼ After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey and Brown Moist SILTY CLAY (Fill)			1		
		-5	2 3	0.9 B	18
			0		
			1 2	0.5 B	21
			0		
Grey and Brown to Dark Grey		-10	1 1	0.4 B	27
	595.90				
Dark Grey Moist SILTY CLAY w/ LOAM Seams			0		
			1 1	0.4 B	27
			0		
Brown and Grey Moist SILTY CLAY w/ CLAY LOAM Seams		-15	1 2	0.5 B	26
	590.40				
Grey and Brown Shaley CLAY Residuum			1		
			4 7	2.2 S-8	19
			0		
		-20	3 4	1.7 B	32
Grey and Brown Shaley CLAY Residuum (continued)			2		
			5 8	2.1 S-10	25
			2		
Grey and Tan		-25	5 8	3.1 S-8	23
	578.40				
Tan and Light Blue Grey Moist Fissile Clayey SHALE			6		
		-30	12 57		11
			17		
Grey Dry Fissile Clayey SHALE		-35	100 /5"		8
			21		
Boring Completed	566.40	-40	100 /4"		8

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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)

File Name S:\SOILS\GINT FILES\MACOUPIN\059-C101 IL 16 OVER DRAINAGE DITCH.GPJ Data Template DATEMP1.T.GDT Date Printed 10/13/06
Latitude 39 Deg 07.014 N Longitude 90 Deg 04.053 W Datum NAD83 Job Number

DESIGNED	SCD
CHECKED	DRB
DRAWN	THW
CHECKED	SCD

ie consultants
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SHEET NO. 5 OF 5 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
	325	114 (B-1)	MACOUPIN	57	43
			CONTRACT NO. 72646		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		