STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
District 6

Page 2 of 2

Date 2/6/09

ROUTE FAP 761 DESCRIPTION IL 108 Over Hodges Creek, Pier 2 LOGGED BY M. Tappan

SECTION 107B-2 LOCATION NE 1/4, SEC. 21, TWP. 10N, RNG. 9W, 3 PM

COUNTY Macoupin DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 059-0510
Station 695+48.88

BORING NO. B-P2
Station 694+59
Offset 31.0ft LT
Ground Surface Elev. 498.3 ft

Surface Water Elev. 489.8 ft
Stream Bed Elev. 486.3 ft

Groundwater Elev.:
First Encounter 491.8 ft
Upon Completion Washed ft
After 19 Days Hrs. 495.3 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grayish Brown Dirty Fine SAND *(continued)*					
Gray Moist SILTY CLAY LOAM w/ 3" Brown Moist Organic Silt Loam Seam	455.30		6		
		-45	10 11	3.3 B	22
Gray Moist SILTY CLAY	452.30				
		-50	3 5 8	3.3 B	20
		-55	2 5 6	1.8 B	19
Gray Med to Coarse SAND Washed	440.80	-60	1 2 4		
Gray Med to Coarse SAND Washed *(continued)*					
Gray Dirty Med SANDY GRAVEL Washed			5		
		-65	11 13		
Gray Mod Indurated Fissile CLAYEY SHALE Drilled Hard @ 65.5 Washed	432.80				
		-70	100/6"		14
	424.30	-75	100/5"		14
Boring Completed		-80			

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:\SOIL SCRIPT FILES\MACOUPIN\059-0510 IL 108 OVER HODGES CREEK\DF1 Data Template DIST3\MPLT_GDT Date Printed 6/17/09
Latitude 39D 16.294N Longitude 90D 55.992W Datum NAD83 Job Number D98-522-07

SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
District 6

Page 1 of 2

Date 2-20-09/2-25-09

ROUTE FAP 761 DESCRIPTION IL 108 Over Hodges Creek, Pier 3 LOGGED BY M. Tappan

SECTION 107B-2 LOCATION NE 1/4, SEC. 21, TWP. 10N, RNG. 9W, 3 PM

COUNTY Macoupin DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 059-0510
Station 695+48.88

BORING NO. B-P3
Station 695+19
Offset 31.0ft LT
Ground Surface Elev. 498.2 ft

Surface Water Elev. 489.8 ft
Stream Bed Elev. 486.3 ft

Groundwater Elev.:
First Encounter 486.7 ft
Upon Completion Washed ft
After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Lt Brownish Gray Moist SILTY CLAY			0		
			1 4	1.0 B	23
			1		
		-5	4 4	1.7 B	30
Gray Moist SILTY CLAY			1		
			2 2	0.7 B	37
Gray Wet SILTY CLAY LOAM to LOAM	489.70		0		
		-10	1 1	0.1 B	30
Gray Wet Loam to SAND LOAM FREE WATER (2-25-09) ▽	487.70		0		
			0 0	0.0	25
			0		
			0		
		-15	0 0	0.0	27
Gray Fine to Med SAND	482.70				
			0		
			0		
			0		
Washed		-20	1 1 2		
Gray Fine to Med SAND *(continued)*	477.70				
Gray Moist LOAM Washed			1		
			1 2	0.4 B	31
Gray Med to Coarse SAND Washed	474.70		1		
		-25	2 2		
Gray Med SAND w/ some Med Pea Gravel Washed	470.70		1		
		-30	2 5		
Gray V Fine SAND	465.70		2		
		-35	5 6		
Gray Fine SANDY GRAVEL Washed	460.70	-40	5 9 10		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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Latitude 39D 16.294N Longitude 90D 55.972W Datum NAD83 Job Number D98-522-07

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Upon Completion Washed ft
After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Gray Fine SANDY GRAVEL Washed *(continued)*					
Grayish Brown Moist Organic SILT LOAM Washed	455.70		8		
		-45	10 13	1.7 S-10	47
Gray Moist SILTY CLAY (Till) Washed	450.70		10		
		-50	12 12	3.7 B	20
		-55	5 7 10	3.1	19
Gray Med SAND w/ some Med Pea Gravel	440.70	-60	4 10 14		
Gray Med SAND w/ some Med Pea Gravel *(continued)*					
			3		
		-65	8 10		
Gray Moist Well Indurated CLAYEY SHALE w/ Sandy Shale Seams	432.20				
		-70	100/2		10
	424.20	-75	100/5"		9
Boring Completed		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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Latitude 39D 16.294N Longitude 90D 55.972W Datum NAD83 Job Number D98-522-07

DESIGNED -	J.M.B.
CHECKED -	T.E.S.
DRAWN -	R KING
CHECKED -	J.M.B.

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184-001397

SOIL BORING LOGS
STRUCTURE NUMBER 059-0510

SHEET NO. 49 OF 51 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	761	107B-2	MACOUPIN	98	79
	FAP ROUTE 761 (IL RT 108)		CONTRACT NO. 72A94		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		