CONTRACT NO. 72891

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	2(B-5,B-6)	PIKE	112	57
STA.		TO STA.		
FED. ROAD DIST. NO. 6	ILLINOIS	FED. AID PROJECT		

SN075-2508 Sheet 9 of 11

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 1 of 2

Date 9/2005

ROUTE FAP 304 (IL 96) DESCRIPTION IL 96 over Brewster Creek LOGGED BY M. Tappan

SECTION 2B-5 LOCATION SW14, SEC. 26, TWP. 5S, RNG. 6W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 075-0039 Ex / 075-2508 Pr
Station 404+21

BORING NO. 1 NW Abut.
Station 403+76
Offset 13.0ft Rt
Ground Surface Elev. 496.9 ft

Surface Water Elev. 486.0 ft
Stream Bed Elev. 486.0 ft

Groundwater Elev.:
▽ First Encounter 446.9 ft
▽ Upon Completion Washed ft
▼ After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Moist SILT (Fill)			1		
			4	0.9	16
		-5	4	S-10	
	491.40				
Brown Moist Coarse Cherty Limestone GRAVEL (Fill)			1		
			3		
			4		
			1		
			2		
		-10	3		
	486.40				
Brown Moist Coarse Cherty Limestone GRAVEL			1		
			4		
			3		
			5		
			11		
	481.90	-15	13		
Brown Moist SILTY CLAY LOAM			2		
			2	0.6	21
			2	B	
			1		
			1	0.6	21
		-20	2	B	
Brown Moist SILTY CLAY LOAM (continued)	476.40				
Brown Wet Coarse Cherty Limestone GRAVEL			3		
			6		
			4		
			3		
			12		
		-25	9		
			2		
			5		
		-30	5		
			1		
			3		
		-35	5		
			2		
			4		
Brown Dirty Wet Medium Sand		-40	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:\SOIL\GINT FILES\PIKE\075-2508 IL 96 OVER BREWSTER CREEK.GPJ Data Template DOT32MIN.GDT Date Printed 1/1/06
Latitude 39 deg 35.712 min N Longitude 91 deg 4.088 min W Datum NAD83 Job Number D-91-054-04

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 2 of 2

Date 9/2005

ROUTE FAP 304 (IL 96) DESCRIPTION IL 96 over Brewster Creek LOGGED BY M. Tappan

SECTION 2B-5 LOCATION SW14, SEC. 26, TWP. 5S, RNG. 6W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 075-0039 Ex / 075-2508 Pr
Station 404+21

BORING NO. 1 NW Abut.
Station 403+76
Offset 13.0ft Rt
Ground Surface Elev. 496.9 ft

Surface Water Elev. 486.0 ft
Stream Bed Elev. 486.0 ft

Groundwater Elev.:
▽ First Encounter 446.9 ft
▽ Upon Completion Washed ft
▼ After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown Wet Coarse Cherty Limestone GRAVEL (continued)			0		
			2		
Grey Moist Clean Fine Sand		-45	4		
Brown Coarse Angular Limestone Gravel (Residuum) Free Water ▽			1		
			4		
		-50	10		
			2		
			4		
		-55	3		
Drilled Very Hard and Crunchy 55-57.5 ft Possible Limestone Boulder					
Blue Grey Well Indurated Clayey SHALE	438.90		100		9
		-60	/6" B.S.		
Blue Grey Well Indurated Clayey SHALE (continued)			53		
	432.40		100		5
Boring Completed		-65	/2"		
Washed augers at completion.					
		-70			
		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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Latitude 39 deg 35.712 min N Longitude 91 deg 4.088 min W Datum NAD83 Job Number D-91-054-04

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS - 1 OF 3
ILLINOIS ROUTE 96 OVER
BREWSTER CREEK
FAP RTE 304 - SECT. 2(B-5,B-6)
PIKE COUNTY
STATION 404+21.51
STRUCTURE NO. 075-2508

SCALE: N/A DRAWN BY JLS
DATE SEPT 2007 CHECKED BY DSP

PLOT DATE = Sep-26-2007 02:45:39PM
FILE NAME = c:\projects\d652404\psbs.final\sn075-0039\r-050181 brewster boring logs.dgn
PLOT SCALE = 8.0833 ' / IN.
USER NAME = loughlir=1