CONTRACT NO. 72891

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	2(B-5,B-6)	Pike	112	74
STA.		TO STA.		
FED. ROAD DIST. NO. 6	ILLINOIS	FED. AID PROJECT		

SN075-0509 Sheet 17 of 17

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 1 of 2

Date 91905

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

SECTION 2, B-5 LOCATION , SEC. 22, TWP. 5S, RNG. 6W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 075-0040 EX, 075-0509 Pr
Station 456+35

BORING NO. 2 SE ABUT
Station 456+67
Offset 13.0ft LT
Ground Surface Elev. 494.3 ft

Surface Water Elev. 483.5 ft
Stream Bed Elev. 483.5 ft

Groundwater Elev.:
▽ First Encounter 459.8 ft
▽ Upon Completion Washed ft
▼ After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Dark Gray Moist SILTY CLAY LOAM Fill to Brown Moist CLAY LOAM Fill w/Angular Cherty LIMESTONE					
		-5	1		
			2	0.7	20
	488.30		7	B	
Brown Moist Coarse Angular Cherty Limestone GRAVEL					
			2		
			3		
			12		
		-10	1		
			10		
			13		
			0		
			8		
			9		
w/Brown V. Moist SILTY CLAY LOAM	479.30	-15	1		
			7	0.3	22
Brown V. Moist SILTY CLAY LOAM			3	B	
			0		
			1	0.3	25
			1	B	
		-20	0		

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown V. Moist SILTY CLAY LOAM (continued)			0	0.2	28
			1	B	
Moist			0		
			3	0.9	21
			3	B	
No Recovery		-35	0		
			2		
			1		
Brown Wet Coarse Angular Cherty Limestone GRAVEL	465.80				
		-30	2		
			8		
			15		
Free Water ▽		-35	0		
w/Gray Moist SILTY CLAY	459.80		4	0.4	27
Brown Coarse Angular Cherty Limestone GRAVEL			4	B	
Brown Coarse Angular Cherty Limestone GRAVEL Washed	456.80				
		-40	1		

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\SNTY FILES\PIKE\075-0040 IL 96 OVER BROWN CREEK.GIN Date Template DOTSOILS.CEL Date Printed 10/05
Latitude NAD 83/2001 Longitude NAD 83/2001 Datum NAD83 Job Number D-92-024-04

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 2 of 2

Date 91905

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

SECTION 2, B-5 LOCATION , SEC. 22, TWP. 5S, RNG. 6W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 075-0040 EX, 075-0509 Pr
Station 456+35

BORING NO. 2 SE ABUT
Station 456+67
Offset 13.0ft LT
Ground Surface Elev. 494.3 ft

Surface Water Elev. 483.5 ft
Stream Bed Elev. 483.5 ft

Groundwater Elev.:
▽ First Encounter 459.8 ft
▽ Upon Completion Washed ft
▼ After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown Coarse Angular Cherty Limestone GRAVEL Washed (continued)			4		
			7		
		-45	0		
			4		
			3		
	445.80				
Dark Gray Moist Poorly Indurated Clayey SHALE Washed		-50	1		
			5		15
			23		
Gray Dry Fissile Clayey SHALE		-55	100 /6"		
Dark Gray Fissile Clayey SHALE	434.80	-60	50		

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
			100 /2"		12
		-65			
		-70			
		-75			
		-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
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Latitude NAD 83/2001 Longitude NAD 83/2001 Datum NAD83 Job Number D-92-024-04

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS - SE ABUTMENT
ILLINOIS ROUTE 96 OVER
BROWN CREEK
PIKE COUNTY
FAP RTE 304 - SECTION 2(B-5,B-6)
STATION 456+34.50
STRUCTURE NO. 075-0509

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

PLOT DATE = Sep-26-2007 02:59:32PM
FILE NAME = e:\projects\d652484\psbs_final\sn075-0040\v-050181 brown boring logs.dgn
PLOT SCALE = 0.0833 ' / IN.
USER NAME = laughlinr1