

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
SOI Engineering, Inc.

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Date 01/14/08

SOIL BORING LOG

ROUTE FAU 9274 DESCRIPTION Cleveland Avenue Bridge over Richland Creek LOGGED BY SCI

SECTION 04-00202-00-BR LOCATION Belleville, SEC. 28, TWP. 1N, RNG. 8W

COUNTY St. Clair DRILLING METHOD CME 75 w/CFA HAMMER TYPE Automatic

STRUCT. NO. 082-6109 Existing Station 102+67
BORING NO. B-1 Station 102+67
Offset 8 ft RL
Ground Surface Elev. 478.8 ft

DEPTH (ft)	SOIL DESCRIPTION	UCS (tsf)	Failure Mode (B, S, P)	DEPTH (ft)	SOIL DESCRIPTION	UCS (tsf)	Failure Mode (B, S, P)
478.8	ASPHALT - 3 inches			478.8	CLAYEY SILT: Gray, low plastic (A-4) (continued)		
477.8	CONCRETE - 10 inches			477.8	SILTY CLAY: Gray, low plastic (A-6)	1.1	29
475.8	CRUSHED ROCK mixed with brown, low plastic clayey silt	4.5	14	475.8	FILL: Slag, cinders, organics, and dark brown, low plastic silt	0.2	28
473.8	FILL: Brown, low plastic clayey silt (A-4)	0.9	26	473.8	CLAYEY SILT: Gray, low plastic, some sand (A-4)	0.3	33
459.8	Becomes brown and gray	0.6	26	459.8	CLAYEY SILT: Gray, low plastic (A-4) and SANDY CLAY: Gray, low plastic (A-6)	0.3	33
444.8	Becomes gray	1.8	23	444.8	SHALEY CLAY: Gray and brown, high plastic, trace black, organic deposit (A-7)	2.2	33
441.8	FILL: Gray, low plastic silty clay, some sand (A-6)	0.4	36	441.8	CLAYEY SHALE: Gray		
433.8	FILL: Gray, low plastic clayey silt, trace cinders (A-4)	0.5	37				
429.8	FILL: Gray, low plastic silty clay (A-6)	0.9	33				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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505	CLAYEY SHALE: Gray (continued)	4.5	14
502	SHALE: Gray	4.5	10
500	Boring terminated at 48 feet.	4.5	10

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BORING LOGS
STRUCTURE NO. 082-6113

SHEET NO. 30	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	9274	04-00202-00-BR	ST. CLAIR	55	47
31 SHEETS			CONTRACT NO. 97369		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					
 Eastport Business Center 1 100 Lanter Court, Suite 1 Collinsville, Illinois 62234 618-345-2200 Design Firm License No. 184.001115				DESIGNED -	
				CHECKED -	
				DRAWN -	
				CHECKED -	