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

SOIL BORING LOG

Date 09/21-22/05

ROUTE FAP 315 DESCRIPTION IL 336 Macomb Bypass (Northwest Corridor) - US 136 over IL 336 LOGGED BY SCI (BCR)

SECTION 55-3 LOCATION Prop. East Abutment, NE 1/4, SEC. 4, TWP. 5 N, RNG. 3 W, 4th PM, Latitude 40° 26' 54.586424" N, Longitude 90° 44' 16.557986" W

COUNTY McDonough DRILLING METHOD CME 1050 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 055-0063
Station 513+75.51 (US 136)

BORING NO. B-604
Station 514+97 (US 136)
Offset 49.5 ft LT
Ground Surface Elev. 691.30 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 662.3 ft ▼
Upon Completion 643.3 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
FILL: Crushed rock	690.8				
FILL: Brown clay, A-7	689.5		4		
Brown and gray CLAY, A-7			5 5	1.8 B	22
			3		
Brown and gray SILTY CLAY, A-6	686.5	-5	3 4	1.2 B	26
			3		
Brown and gray CLAY, A-7	684.0		4 5	1.9 B	24
			2		
		-10	2 4	1.0 B	23
			2		
			4 5	1.7 B	26
			3		
		-15	3 6	1.4 B	19
			3		
			6 8	2.3 B	15
			4		
		-20	7 11	4.0 B	13
Brown and gray CLAY, A-7 (continued)	667.3		6		
			9 12	4.3 B	13
Brown SANDY LOAM, A-2	665.8	-25	25 15		
Brown CLAY, A-7	662.3 ▼		7		
			9 13	3.9 B	12
			6		12
Brown SANDY LOAM, A-2	661.8	-30	21 50	4.6 B	15
Brown SILTY LOAM, A-4	658.9		11		
Brown CLAY, A-7			11 12	4.3 B	15
	654.3	-35			
Brown SILTY LOAM, A-4			17		
		-40	17 19	2.5 S	15

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILTY LOAM, A-4 (continued)	649.2				
Brown and gray CLAY, A-7			5		
		-45	7 9	2.6 B	13
Brown CLAY LOAM, A-4	644.6				
	642.3		17		12
Brown SANDY LOAM, A-2	641.6	-50	29 64		
Brown SAND, A-3	638.9				
Brown and gray CLAY, A-7	637.0		17		13
Gray SAND, A-3	636.5	-55	25 21	3.1 B	
Gray CLAY LOAM, A-6	634.3				
Brown and gray CLAY, A-7			8		
		-60	9 11	1.2 B	16
Brown and gray CLAY, A-7 (continued)	629.2				
Brown and gray CLAY LOAM, A-6			9		
		-65	12 17	2.6 S	20
Brown SANDY LOAM, A-2	624.2		5		
Brown and gray SILTY CLAY, A-6	622.3	-70	7 15	4.4 S	23
Brown and gray CLAY, A-7	618.8		7		
		-75	11 16	3.4 B	20
		-80	24 55	4.4 S	18

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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and gray CLAY, A-7 (continued)	607.3		16		33
Black ORGANIC SILT, A-4	605.8	-85	50/5" 50/1"	1.1 S	78
Gray CLAYEY SHALE	601.3	-90	40 59 50/2.5"		11
Boring Terminated at 90.0 ft.		-95			
		-100			

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