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

SOIL BORING LOG

Date 10/03-04/05

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

SECTION 55-3 LOCATION Prop. Center Pier, NE 1/4, SEC. 4, TWP. 5 N, RNG. 3 W, 4th PM, Latitude 40° 26' 54.091402" N, Longitude 90° 44' 17.756590" 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-605
Station 513+93 (US 136)
Offset 53.5 ft LT
Ground Surface Elev. 692.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 649.0 ft ▼
Upon Completion ft
After 24 Hrs. 662.0** ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
FILL: Crushed rock and brown silty clay	690.0		5		
			10	3.5	17
Brown and gray SILTY CLAY, A-7			9	P	
			3		
			4	1.7	24
		-5	4	B	
			3		
			2	1.0	28
			3	P	
	683.0		3		
Brown and gray CLAY, A-7			4	2.3	20
		-10	5	S	
			2		
			3	2.0	26
			5	B	
			3		
			4	2.3	23
		-15	6	B	
			3		
			4	1.9	17
			6	B	
	673.5				
Brown SAND, A-3	673.0		4		
Brown and gray CLAY, A-7			4	1.6	16
		-20	5	B	
Brown and gray CLAY, A-7 *(continued)*			4		
			9	4.5	13
			13	P	
			5		
			11	5.2	13
w/gravel		-25	15	B	
			5		
			8	3.3	14
			10	B	
			5		
			6	2.4	15
		▽30 -30	9	B	
			5		
			7	2.3	16
		-35	9	B	
			5		
			6	2.5	14
	652.0	-40	9	B	

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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Brown and gray CLAY, A-7 w/gravel *(continued)*	650.0				
Brown SAND, A-3			16		
	647.5		17		
Gray SANDY LOAM, A-2		-45	20		
	644.0				
Brown SAND, A-3			10		
	643.0		21	2.3	17
Dark gray SILTY CLAY LOAM, A-6	642.5		48	P	
Brown SAND, A-3		-50			
	640.4				
Gray CLAY, A-7 w/gravel			5		
			6	2.3	16
		-55	8	B	
			3		
			6	1.8	20
		-60	7	B	
Gray CLAY, A-7 w/gravel *(continued)*	630.0				
Gray CLAY LOAM, A-6			5		
			7	4.0	15
	627.0	-65	10	P	
Brown SILTY CLAY LOAM, A-6 w/gravel					
			7		
			12	3.2	16
		-70	17	S	
	620.0				
Gray SILTY CLAY LOAM, A-4			4		
			5	1.7	25
		-75	6	B	
	615.0				
Gray CLAY, A-7			6		
			8	2.9	22
		-80	10	B	

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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY, A-7 *(continued)*	608.0		7		
Black ORGANIC SILT, A-4	607.5		13		73
Brown CLAY, A-7		-85	22		
	603.0		14		
Brown and gray SHALE			21	3.6	16
		-90	41	S	
	599.0				
Brown SANDSTONE	598.5		50/1.5"		15
Auger refusal at 93.5 ft.			50/1"		
**Hole Collapsed at 48.0 ft		-95			
		-100			

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