

Contract No.: 60931

BRIDGE FOUNDATION SOIL BORING LOG
midwest engineering services, inc.

Route: FAP 866
Section: 4N-1
County: Lake
Structure No: 1+103
Station: 17.4 m North
Offset: 17.4 m North

Boring: N-1
Page: 1 of 2
Date of Boring: September 24, 2003
Drilled By: Waukesha
Checked By: MB
MES Project No: 16-33011

Ground Water Elevations when drilling: 10 Ft. at completion: 18 Ft. Caved at 28 Ft.	D E P T H (ft.)	B L O W S (6")	Q _u (tsf)	MC (%)	Soil Description	D E P T H (ft.)	B L O W S (6")	Q _u (tsf)	MC (%)
Ground Surface Elevation: 788.4 Ft					2" Black Silty CLAY, Topsoil				
			8						
					Brown Silty CLAY, some Sand and Gravel, Fill	7	7		16
					LL = 18, PI = 4 (CL-ML)	8	6		
						10	10		
						30	5		16
					LL = 19, PI = 4 (CL-ML)	6	7		
					Brown SILT, with Sand and Gravel				
						1	1		18
					Brown and gray Silty CLAY, Fill	2	2		
						1	1		16
					Black and gray Silty CLAY with Sand and Gravel	2	2		
						10	5	4.4B	16
						1	1		17
					Gray SAND and GRAVEL Poor Recovery @ 12.5-14'	1	1		
						5	5		23
					Gray Silty CLAY, little Sand and Gravel	7	7		
						15	6	3.8B	17
						4	4		16
					Gray SAND and GRAVEL	6	6		
						5	5		19
					Brownish-gray Silty CLAY, little Sand and Gravel	9	9		
						4	4		15
					Gray SAND and GRAVEL	5	5		
						7	7		17
					Gray Silty CLAY, little Sand and Gravel	8	8		
						9	9		17
					Poor Recovery @ 25-26.5' LL = 31, PI = 15 (CL)	7	7		1.4B
						11	11		

N - Standard Penetration Test (SPT) = Sum of last two blow values in sample
MC - Moisture Content - Percent of dry weight
Qu - Unconfined Compressive Strength - tons per square foot (tsf)

Type Failure: B-Bulge
Qu test: S-Shear
P-Penetrometer

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					Gray Silty CLAY, little Sand and Gravel				
						55	4	1.7B	22
						8	8		
						9	9		
					END OF BORING AT 56.5 FEET				
					NOTES: 1. Auger Sample collected at 1 to 2.5 ft. 2. Petroleum odor detected in samples collected between the depths of 19 to 11.6 ft. and 25 to 25.5 ft.				

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORINGS - 5
IL RTE. 132 LAND BRIDGE
FAP RTE 866 - SEC 4N-1
LAKE COUNTY
STA. 1+143.3

SN 049-D002
DATE: 11-06-09

DRAWN BY: BLB
CHECKED BY: WJW