

Contract No.: 60931

BRIDGE FOUNDATION SOIL BORING LOG
midwest engineering services, inc.

Route: FAP 866
Section: 4N-1
County: Lake
Structure No.:
Station: 1+175
Offset: 18.0 m North

Boring: N-4
Page: 1 of 2
Date of Boring: September 24, 2003
Drilled By: Waukesha
Checked By: MB
MES Project No: 18-33011

Ground Water Elevation when drilling: 5 Ft. at completion: Dry	DEPTH (ft.)	BLOW COUNTS (6")	QU (tsf)	MC (%)	Soil Description	LL = 24, PI = 11 (CL)	DEPTH (ft.)	BLOW COUNTS (6")	QU (tsf)	MC (%)	
											DEPTH (ft.)
Ground Surface Elevation: 780.4 Ft.					12" Black Silty CLAY, Topsoil						
	1			14	Brown Silty CLAY, with Sand and Gravel, Fill	LL = 24, PI = 11 (CL)	2				
	2			4						1.0B	19
	3			3					30		
	4			3					2		
	5			4					4	1.0B	17
				33	Gray Silty SAND possible buried topsoil at 6.5'						
		WH		109	Greenish-gray Silty CLAY	LL = 52, PI = 29 (CH)	35				
		1		2					3		
		2		3					4		13
	10			30	Gray Silty CLAY, little Sand and Gravel	LL = 52, PI = 29 (CH)					
		2		1.0B							
		3		17					40		
		4		17					7		
		3		16					6	1.8B	16
	18			20	Gray Silty CLAY, little Sand and Gravel LL = 42, PI = 24 (CL)	LL = 42, PI = 24 (CL)					
		3		1.8B					3		
		3		21					45		
		2		0.5B					4		
		4		15					5	2.4B	15
	20			15	LL = 28, PI = 14 (CL)	LL = 28, PI = 14 (CL)					
		6		2.3B					6		
		7		15							
		3		1.1B					50		
		5		18					7	0.5B	19
	25										
		6									
		8									

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, S-Shear, P-Penetrometer
Qr test

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		8									

NOTES:
1. Auger Sample collected at 1 to 2.5 ft.

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Type Failure: B-Bulge, S-Shear, P-Penetrometer
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORINGS - 8
IL RTE. 132 LAND BRIDGE
FAP RTE 866 - SEC 4N-1
LAKE COUNTY
STA. 1+143.3
SN 049-D002 DRAWN BY BLB
DATE: 11-06-09 CHECKED BY WJV