

**BRIDGE FOUNDATION SOIL BORING LOG**  
midwest engineering services, inc.

Route: FAP 866	Boring: S-1
Section: 4N-1	Page: 1 of 2
County: Lake	Date of Boring: September 23, 2003
Structure No:	Drilled By: Waukesha
Station: 1+100	Checked By: MB
Offset: 14.9 m South	MES Project No: 16-33011

Ground Water Elevation: when drilling: 2.5 ft. at completion: DRY	D E P T H (ft.)				Q <sub>u</sub> (tsf)	MC (%)	Soil Description	D E P T H (ft.)				Q <sub>u</sub> (tsf)	MC (%)
	(ft.)	(6")	(12")	(18")				(ft.)	(6")	(12")	(18")		
Ground Surface Elevation: 791.8 ft.													
2" Dark brown to black Silty CLAY, Topsoil						22							
Dark brown to black Silty CLAY with Sand and Gravel, Fill Poor Recovery @ 2.5-4'	4	4				20							
Brown and gray mottled Silty CLAY	3	3				24							
Gray Silty CLAY, little Sand and Gravel	6	6				17B	16						
	10	2				1.3B	17						
	15	4				1.7B	17						
	20	4				2.9B	14						
Gray SILT	3	3				1.2B	16						
	4	4				1.5P	15						
	5	5				1.7	17						
Poor Recovery @ 25-26.5'	5	5											

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

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	(ft.)	(6")	(12")	(18")				(ft.)	(6")	(12")	(18")		
Ground Surface Elevation: 791.8 ft.													
Gray Silty CLAY, little Sand and Gravel													
END OF BORING AT 56.5 FEET													
NOTES: 1. Auger Sample collected at 1 to 2.5 ft. 2. Shelby Tube sample collected at 12.5 to 14 ft.													

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
BORINGS - 1  
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