

BRIDGE FOUNDATION SOIL BORING LOG
midwest engineering services, inc.

Route: FAP 866 Boring: S-2
 Section: 4N-1 Page: 1 of 2
 County: Lake Date of Boring: September 22, 2003
 Structure No.: Drilled By: Waukesha
 Station: 1+119 Checked By: MB
 Offset: 12.2 m South MES Project No.: 16-33011

Ground Water Elevation: when drilling: 12.5 FL at completion: 58 FL Gaged at: 61 FL	D E P T H				Q _u	MC	Soil Description	D E P T H				Q _u	MC
	(ft.)	(6")	(tsf)	(%)				(ft.)	(6")	(tsf)	(%)		
Ground Surface Elevation: 790.0 FL							3" Black Silty CLAY, Topsoil						
					10		Brown Silty CLAY, some Sand and Gravel, brick fragments, Fill						
								Poor Recovery @ 27.5-28'	7	8	2.8B	15	
							Brown SAND and Gravel, Fill						
					5			Poor Recovery @ 30-31.5'	7	8	1.8B	16	
							Black Silty CLAY	2	2		78		
							Gray Silty SAND	5					
							Black PEAT						
								35'	2	1		387	
							Brownish-gray Silty CLAY, little Sand and Gravel						
								2	4	1.7B	15		
							Gray Silty CLAY, some Sand and Gravel LL = 31, PI = 17 (CL)						
								10	1	W/H	153		
							Brownish-gray Silty CLAY, little Sand and Gravel						
								40'	1	2.3	33		
							Brownish-gray Silty CLAY, little Sand and Gravel						
								15	2	1.0B	16		
							Brownish-gray Silty CLAY, little Sand and Gravel						
								45'	2	2.0B	21		
							Brownish-gray Silty CLAY, little Sand and Gravel						
								20	3	2.3B	20		
							Brownish-gray Silty CLAY, little Sand and Gravel						
								50'	3	1.1S	15		
							Brownish-gray Silty CLAY, little Sand and Gravel						
								LL = 35, PI = 17 (CL)	1	2.4B	18		
							Brownish-gray Silty CLAY, little Sand and Gravel						
								7	4	2.8B	16		
							Brownish-gray Silty CLAY, little Sand and Gravel						
								25	4	1.5P	24		
							Brownish-gray Silty CLAY, little Sand and Gravel						
								11	4	2.8B	16		

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)
 B - Bulge
 S - Shear
 P - Penetrometer

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	(ft.)	(6")	(tsf)	(%)				(ft.)	(6")	(tsf)	(%)		
							Brownish-gray Silty CLAY, little Sand and Gravel						
								55'	7	8	1.8B	18	
							No Recovery @ 60-61.5'						
								60'	7	8		21	
							Brownish-gray Silty CLAY, little Sand and Gravel						
								65'	4	6	2.1B	16	
							Brownish-gray Silty CLAY, little Sand and Gravel						
								70'	8	10	2.6B		
							END OF BORING AT 70.0 FEET						

NOTES:
 1. Auger Sample collected at 1 to 2.5 ft.
 2. Petroleum odor detected in auger cuttings at a depth of approximately 5 ft.

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 BORINGS - 2
 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