

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 866	4N-1	LAKE	165	88
FED. ROAD DIST. NO. 7	ILL. ROAD	FED. AID PROJECT		

SHEET NO.
18 of 22

Contract No.: 60931

BRIDGE FOUNDATION SOIL BORING LOG
midwest engineering services, inc.

Route: FAP 866 Boring: S-4
 Section: 4N-1 Page: 1 of 2
 County: Lake Date of Boring: September 22, 2003
 Structure No. 1+196 Drilled By: Waukesha
 Station: 13.7 m South Checked By: MB
 Offset: 13.7 m South MES Project No: 16-33011

Ground Water Elevation: when drilling: 6 Ft. at completion: 6 Ft.	D E L T H S				Q _u	MC	D E L T H S				Q _u	MC		
	(ft.)	(ft.)	(ft.)	(ft.)			(ft.)	(ft.)	(ft.)	(ft.)				
Ground Surface Elevation: 790.2 Ft														
2" Black Silty CLAY, Topsoil						12								
Brown Silty CLAY, some Sand and Gravel	5					12								
Brown SAND and GRAVEL	5					22								
Brown Silty CLAY, some Sand and Gravel LL = 37, PI = 20 (CL)	10					26								
Brownish-gray Silty CLAY, some Sand and Gravel	10					18								
Brownish-gray Silty CLAY, some Sand and Gravel	15					16								
Brownish-gray Silty CLAY, some Sand and Gravel	15					14								
Brownish-gray Silty CLAY, some Sand and Gravel	20					15								
Brownish-gray Silty CLAY, some Sand and Gravel	20					18								
Brownish-gray Silty CLAY, some Sand and Gravel	25					14								
Brownish-gray Silty CLAY, some Sand and Gravel	25					21								

Notes:
 - Poor Recovery @ 40-41.5'
 - Type Failure: B-Bulge, S-Shear, P-Penetrometer
 - Qu test

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	(ft.)	(ft.)	(ft.)	(ft.)			(ft.)	(ft.)	(ft.)	(ft.)				
Ground Surface Elevation: 790.2 Ft														
Brownish Gray Silty CLAY, some Sand and Gravel	55					20								
Brownish Gray Silty CLAY, some Sand and Gravel	55					20								
Brownish Gray Silty CLAY, some Sand and Gravel	60					22								
END OF BORING AT 61.5 FEET														
NOTES 1. Auger Sample collected at 1 to 2.5 ft.														

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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 BORINGS - 4
 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