STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	1-HBR-2F	WINNEBAGO	29	25
FED. ROAD DIST. NO. 7	ILLINOIS	CONTRACT NO. 64F62		

SHEET NO. 23
27 SHEETS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 2

Date 3/27/07

ROUTE FA 194 DESCRIPTION P92-095-07 Meridian Road over Bypass 20 LOGGED BY W. Garza

SECTION - LOCATION Winnebago Twp. - 12 SW, SEC. , TWP. 26N, RNG. 11E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.
Station

BORING NO. B-1
Station 9+87
Offset 26.00ft Rt CL
Ground Surface Elev. 79.50 ft

Surface Water Elev. ft
Stream Bed Elev. 79.50 ft

Groundwater Elev.:
First Encounter 67.0 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SILTY CLAY LOAM	77.00			0.3 P	15.0
MEDIUM light brown SILTY LOAM	75.50	-5	1 1 4	0.5 B	28.0
MEDIUM tan SANDY LOAM with LIMESTONE fragments	72.50		2 7 10		14.0
MEDIUM/DENSE tan SANDY LOAM with LIMESTONE	70.50	-10	10 12 18		
MEDIUM tan fine SAND	68.00		6 7 10		
LOOSE tan fine SAND	65.50	-15	2 2 4		
LOOSE tan medium SAND	63.00		2 3 4		
Wash MEDIUM tan medium SAND	60.50	-20	3 5 8		
MEDIUM tan medium SAND	58.00		4 5 8		
Wash MEDIUM tan fine SAND	55.50	-25	3 8 13		
MEDIUM tan fine SAND	53.00		4 6 10		
Wash MEDIUM tan fine SAND with SILT lens	50.50	-30	3 7 9		
MEDIUM tan fine SAND	48.00		4 8 11		
Wash LOOSE tan fine SAND	45.50	-35	2 3 5		
Wash MEDIUM tan fine SAND	43.00		2 6 10		
Wash MEDIUM tan fine SAND	40.50	-40	4 8 12		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
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SOIL BORING LOG

Page 2 of 2

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After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY DENSE gray well-cemented SAND with GRAVEL	37.50		12 26 32		
Wash VERY DENSE gray well-cemented SAND & GRAVEL with SILT lens, hard drilling	35.50		25 29 29		17.0
HARD gray SILTY CLAY TILL	32.50	-45	10 14 26	5.4 S	18.0
DENSE gray dirty SAND & GRAVEL	30.00		22 22 15		
HARD gray SILTY CLAY TILL	28.00	-50	11 17 26	5.2 S	15.0
Wash VERY DENSE gray/tan SAND & GRAVEL with LIMESTONE Auger Refusal at 54'.	25.50		33 100/3"		
End of Boring		-55			
		-60			

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BBS, from 137 (Rev. 8-99)

DESIGNED	GUN / OAO
CHECKED	FCO
DRAWN	TCS / GUN
CHECKED	FCO

FOR INFORMATION ONLY
SOIL BORING LOGS
MERIDIAN ROAD OVER US 20
F.A.P. 301 (US 20) - SEC. 1-HBR-2 F
WINNEBAGO COUNTY
STATION 100+00
STRUCTURE NO. 101-0096

HOH HARRY O. HEFTER-ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS
55 East Jackson Blvd. Suite 800 Chicago, Il 60604 312-346-8131
PROJECT NUMBER 2945

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