STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 301	1-HBR-2	WINNEBAGO	57	46
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT -	

SHEET NO. 27
27 SHEETS

Contract #64D50

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

SOIL BORING LOG

Page 1 of 2

Date 5/18/07

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-5
Station 10+58
Offset 26.00ft Lt CL
Ground Surface Elev. 80.50 ft

Surface Water Elev. ft
Stream Bed Elev. 79.50 ft

Groundwater Elev.:
First Encounter 65.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder					
STIFF gray SILTY CLAY				1.3 P	24.0
	78.00				
STIFF brown SILTY CLAY LOAM			2		
			4	1.5 P	26.0
	76.50		5		
		-5			
MEDIUM brown SILTY CLAY with SAND lens			2		
			2	0.6 B	26.0
	74.00		4		
STIFF brown SANDY LOAM with SAND lens			4		
			3	1.1 P	16.0
			4		
	71.00				
		-10			
DENSE SAND & GRAVEL			7		
			20		
	69.00		13		
	66.50				
		▼-15			
LOOSE/MEDIUM brown fine SAND			8		
			5		
	64.00		5		
	61.50				
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan fine SAND			5		
			5		
	59.00		9		
	56.00				
		-25			
STIFF tan SILT with SAND lens			4		
			5	0.4 P	25.0
			6		
	53.50				
MEDIUM tan fine SAND			2		
			5		
	51.50		6		
		-30			
MEDIUM tan medium SAND			5		
			8		
	49.00		12		
	46.50				
		-35			
MEDIUM tan medium coarse SAND with medium GRAVEL			8		
			11		
	44.00		16		
	41.50				
		-40			

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

Date 5/18/07

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

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Station

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Surface Water Elev. ft
Stream Bed Elev. 79.50 ft

Groundwater Elev.:
First Encounter 65.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY DENSE gray well-cemented SAND & medium GRAVEL			40		
			100/9"		
	39.00				
Wash			33		
VERY DENSE gray well-cemented SAND			42		
	36.50		36		
		-45			
Wash			100/4"		
VERY DENSE gray well-cemented SAND					
	34.00				
End of Boring					
		-50			
		-55			
		-60			

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)

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

HOH HARRY O. HOFFER-ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS
55 East Jackson Blvd. Suite 600 Chicago, Il 60604 312-346-8131
PROJECT NUMBER 2945

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

11/13/2009 2:35:00 PM
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