Testing Service Corporation

STRUCTURE BORING LOG

Date Started 10/12/09
Date Completed 10/12/09

ROUTE TR21 DESCRIPTION Hill Rd. Over N. Branch Nippersink Creek

SECT. 08-000356-00-BR STRUCT. NO. 056-3192 DRILLED BY TSC - L-72.490

COUNTY McHenry LOCATION S. End East Abutment S. 16E1/2 , TWP. 46N , RNG. 8E

Boring No. 3
Station 110+44
Offset 6.00ft Lt.
Surface Elev. 790.10 ft

Surface Water Elev.
Groundwater Elev.: when drilling 779.6
at Completion
after Hrs.

Description	Elev.	Depth	Blows	Qu tsf	W %
6" Asphaltic Concrete 4" Sand and Gravel Subbase	789.10				
FILL - Brown SAND and GRAVEL, damp A-1-a			19 24 27		4.0
			16 22 17		3.9
FILL - Dark brown CLAY LOAM, trace gravel, trace organic, moist A-6	784.60	-5	4 4 3	P 1.0	13.5
FILL - Brown SILTY CLAY, trace gravel, trace roots, very moist A-6	782.10		1 1 3	P 0.75	24.2
Very soft dark brown ORGANIC CLAY, very moist A-8	779.60	-10	4 2 3	P 0.25	40.8
Medium dense brown SAND and GRAVEL, saturated A-1-a	777.10		5 6 7		
Stiff light-brown SILTY CLAY, little sand, occasional silt and sand seams, very moist A-6/A-7-6	774.60	-15	11 15 7	P 1.0	17.1
			7 8 10	B 1.49 15%	21.8
		-20	5 7 16	B 1.23 15%	23.9
Medium dense to dense brown SAND, little to some gravel, saturated A-1-b	767.10	-25	9 9 12		
Medium dense to dense brown SAND, little to some gravel, saturated A-1-b			8 9 11		
		-30	10 15 19		
Medium stiff brown CLAY LOAM, trace to little gravel, very moist A-6	752.10		15 20 21		
		-35	4 7 6	B 0.7 15%	12.0
		-40	5 7 7	P 0.75	13.9
		-45	5 7 13		11.5
Medium dense brown SANDY LOAM, little gravel, wet A-2-4	742.10	-50			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

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ROUTE TR21
SECTION 08-000356-00-BR
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STRUCTURE NO. 056-3192
ROUTE TR21
SECTION 08-000356-00-BR
COUNTY McHenry

Boring No. 3
Station 110+44
Offset 6.00ft Lt.
Elevation 740.10 ft

Elevation 715.10 ft

Description	Elev.	Depth	Blows	Qu tsf	W %
Medium dense brown SANDY LOAM, little gravel, wet A-2-4			9 10 16		13.2
Very stiff brown CLAY LOAM, trace to little gravel, moist A-4	737.10		21 14 18	P 2.75	10.8
		-55	21 14 14	P 2.25	11.5
Very dense brown SANDY GRAVEL, trace clay, saturated A-1-a	732.10	-60	19 32 46		
Hard brown CLAY LOAM, little gravel, damp A-4	729.60		34 48 50/5"	B 10.4 15%	9.0
			46 50/5"	P 4.5+	7.7
Hard brown SILTY CLAY LOAM, trace sand, moist A-4/A-6	723.10	-65			
Very dense brown SILT, trace gravel, moist A-4	721.10		34 50/5"	B 4.96	12.0 17.7
		-70			
			46 50/5"		14.0
	715.10	-75			

Gus Pech GP-750 Truck Rig (#217)
Rope and Cathead Hammer

Rotary Wash Drill Below 12.5'

End of Boring at 75.0'

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

FILE NAME = s:\jol\6800-6899\6842\007\micros\coadd sheets\structural\056-3192-63666-016-SBL.dgn

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = brianf	DESIGNED RRD	REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION HILL ROAD BRIDGE OVER NORTH BRANCH NIPPERSINK CREEK	SOIL BORING LOG (2 OF 2) STRUCTURE NO. 056-3192	TR	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		CHECKED AJS	REVISED -			21	08-00356-00-BR	MCHENRY	67 / 47
	PLOT SCALE =	DRAWN BJF	REVISED -					CONTRACT NO. 63666	
	PLOT DATE = 1/3/2012	CHECKED RRD	REVISED -		SHEET NO. 17 OF 18 SHEETS			ILLINOIS FED. AID PROJECT	