STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.N.I. F.A.P. 303	29R-T	McHENRY	88	76
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO. 62202

BORING NO. B-19 (1 OF 2)

GROUND ENGINEERING CONSULTANTS, INC.
STRUCTURE BORING LOG

Page 1 of 2
Date 4/5/02

ROUTE _____ DESCRIPTION _____
SECT. _____ STRUCT. NO. _____ DRILLED BY BP
COUNTY McHenry LOCATION US 14 over Mokeler Creek S. ___, TWP. ___, RNG. ___

Boring No. B-19
Station 0+877.859
Offset 4.8 m Rt
Surface Elev. 288.30 (m)

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

Description	Elev.	Depth	Blows	Qu kPa	W %
FILL, 5.5" asphalt & 7" concrete over gravel, sand, clay & topsoil, brown & black, medium dense			3 4 6	144 P	27
		-1.5	4 5 6	168 P	24
			5 7 10	192 P	26
		-3.0	4 6 6	144 P	25
			4 5 9	240 P	24
		-4.5	4 7 23	192 P	25
	283.2		4 5 5		26
SILTY LOAM, brown, very stiff		-6.0	3 4 3	192 P	24
	282.1				
SAND, some gravel, brown & gray, medium dense, saturated			5 7 11		15
		-7.5	25 13 14		14
	280.6				
SILTY LOAM, brown & gray, very stiff			4 7 9	240 P	15
	279.9				
SANDY LOAM, brown, medium dense to loose		-9.0	5 6 8		22
		-10.5	3 4 3		21
	277.3				
SILTY LOAM, brown, very soft		-12.0	1 1 2	24 P	24
	275.7				
SANDY LOAM, brown, medium dense		-13.5	6 7 8		9
		-15.0	7 5 9		12

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 Meters

BORING NO. B-19 (2 OF 2)

GROUND ENGINEERING CONSULTANTS, INC.
STRUCTURE BORING LOG

Page 2 of 2
Date 4/5/02

STRUCTURE NO. _____
ROUTE _____
SECTION _____
COUNTY McHenry

Boring No. B-19
Station 0+877.859
Offset 4.8 m Rt
Elevation 273.3 (m)

Description	Elev.	Depth	Blows	Qu kPa	W %
	272.7				
SAND, some gravel, brown, dense to extremely dense, saturated		-16.5	11 22 44		14
		-18.0	15 25 32		13
Rock fragment obstruction at 64'		-19.5	80 50/100		
	268.3				
SILTY CLAY LOAM, gray, hard		-21.0	25 33 23	383 P	10
	267.3				
END OF BORING		-22.5			

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

Sheet S1-37 of 37

BORING LOGS (7 of 7)

U.S. 14 RETAINING WALLS
AT MOKELER CREEK
SECTION 29R-T
McHENRY COUNTY
STA. 0+647.90 TO STA. 0+982.78
AT STRUCTURE NO. 056-0007

Date: February, 2005 Scale : None

DESIGNED	J.S./R.A.
CHECKED	H.T./N.S.
DRAWN	J.S./B.I.D.
CHECKED	H.T./M.R.

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