STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 383	29R-T	McHENRY	88	73
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO. 62202

BORING NO. B-13 (1 OF 1)

GROUND ENGINEERING CONSULTANTS, INC.
STRUCTURE BORING LOG

Page 1 of 1
Date 3/26/02

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

Boring No. B-13
Station 0+684.163
Offset 9.5 m Lt
Surface Elev. 290.44 (m)

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

Description	Elev.	DEPTH	BLOWS	Qu kPa	W %
FILL, silt, sand & gravel, black & brown, medium dense to dense	289.8		4 5 16	26	
SAND & GRAVEL, light brown, very dense	288.8	-1.5	15 30 22	5	
SAND, some gravel, light brown & gray, dense, damp to wet at 16'		-3.0	13 19 22	9	
		-4.5	15 20 30	12	
		-6.0	19 28 62	7	
		-7.5	17 12 16	13	
		-9.0	50 55 22	10	
		-10.5	12 13 15	16	
SANDY LOAM, gray & brown, medium dense, with a layer of very dense silt at 28.5'-30'	284.1	-12.0	3 5 6	15	
		-13.5	4 8 14	23	
END OF BORING	278.4	-15.0			

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 Meters

BORING NO. B-14 (1 OF 1)

GROUND ENGINEERING CONSULTANTS, INC.
STRUCTURE BORING LOG

Page 1 of 1
Date _____

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

Boring No. B-14
Station 0+674.718
Offset 10.0 m Rt
Surface Elev. 290.36 (m)

Surface Water Elev. _____
Groundwater Elev.: when drilling _____ at Completion _____ after ___ Hrs. 290.36

Description	Elev.	DEPTH	BLOWS	Qu kPa	W %
FILL, 2.5" asphalt & 10" stone base over clay, sand, cinders & rubble, black & brown, medium dense			5 5 9	30	
		-1.5	12 12 7	26	
		-3.0	7 5 4	17	
		-4.5	3 5 6	25	
SAND, some gravel, brown, extremely dnese, damp to wet at 18.5'	287.4	-6.0	23 25 29	7	
		-7.5	24 36 40	8	
		-9.0	60 60 60	6	
		-10.5	16 20 20	16	
SANDY LOAM, gray & brown, medium dense	284.1	-12.0	6 7 11	21	
		-13.5	9 11 15	240 P	21
END OF BORING	278.4	-15.0			

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 Meters

BORING NO. B-15 (1 OF 1)

GROUND ENGINEERING CONSULTANTS, INC.
STRUCTURE BORING LOG

Page 1 of 1
Date 3/27/02

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

Boring No. B-15
Station 0+664.088
Offset 9.5 m Lt
Surface Elev. 291.60 (m)

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

Description	Elev.	DEPTH	BLOWS	Qu kPa	W %
FILL, silty clay & sand, black & brown, loose to dense			4 4 5	26	
	290.2	-1.5	7 19 16	20	
BROKEN STONE, GRAVEL & SAND, light brown & gray, extremely dense, damp			80 45 25	4	
	289.2	-3.0	9 19 19	7	
SAND, some gravel, brown, dense, damp to wet at 17'		-4.5	16 26 29	8	
		-6.0	15 23 24	7	
		-7.5	30 35 33	6	
		-9.0	28 20 30	7	
		-10.5	14 20 22	10	
SILTY LOAM, brown & gray, medium dense	284.7	-12.0	14 8 7	25	
SANDY LOAM, gray & brown, loose to medium dense	282.3	-13.5	3 4 10	21	
		-15.0	3 3 4	16	
		-16.5	10 10 12	15	
END OF BORING	279.6				

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

Sheet S1-34 of 37

BORING LOGS (4 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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