STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.P 303	29R-T	McHENRY	88	72
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO. 62202

BORING NO. B-10 (1 OF 1)

GROUND ENGINEERING CONSULTANTS, INC.
STRUCTURE BORING LOG

Page 1 of 1
Date 3/12/02

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

Boring No. B-10
Station 0+904.311
Offset 12.1 m Rt
Surface Elev. 283.80 (m)

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

Description	Elev.	Depth	Blows	Qu kPa	W %
FILL, clay, black, loose	283.0		5 4 5		28
SILTY CLAY, brown, stiff	282.1	-1.5	4 5 5	144 P	26
SAND, some gravel, gray & brown, dense, moist to saturated	280.6	-3.0	25 24 22		13
			15 17 19		12
SANDY LOAM, brown & black, loose to medium dense	277.5	-4.5	1 2 3		23
			1 2 9		14
SAND, light brown & gray, dense to very dense, saturated		-6.0	4 4 6		22
			1 3 5		18
		-7.5	10 17 18		11
			5 15 17		10

Description	Elev.	Depth	Blows	Qu kPa	W %
SILTY LOAM, gray & brown, very stiff to hard	275.2		23 23 28		12
		-9.0	9 12 18	240 P	14
		-10.5	12 14 14	287 P	12
			10 15 80	431 P	8
END OF BORING	271.8	-12.0			

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-11 (1 OF 1)

GROUND ENGINEERING CONSULTANTS, INC.
STRUCTURE BORING LOG

Page 1 of 1
Date 3/22/02

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

Boring No. B-11
Station 0+881.300
Offset 11.8 m Lt
Surface Elev. 283.50 (m)

Surface Water Elev. _____
Groundwater Elev.: when drilling _____ at Completion _____ after ___ Hrs. 283.50

Description	Elev.	Depth	Blows	Qu kPa	W %
FILL, 8" concrete over topsoil & clay, brown & black, loose	282.7		3 4 4		23
SANDY CLAY, brown, soft	281.8	-1.5	3 3 4	72 P	20
SAND & STONE, brown, dense to extremely dense, saturated	280.3	-3.0	11 21 22		14
			52 38 41		8
SANDY CLAY, brown, stiff	278.8	-4.5	2 4 5	168 P	17
			3 5 7	144 P	15
SANDY LOAM, brown, loose to medium dense		-6.0	1 2 2		16
			4 2 3		12
		-7.5	6 6 9		15
			7 7 12		13

Description	Elev.	Depth	Blows	Qu kPa	W %
SILTY LOAM, gray, medium dense	275.7		7 12 14		9
		-9.0	5 6 9		10
SANDY LOAM, some stone, gray, extremely dense	273.9				
		-10.5	105 50 50		12
		-12.0	71 23 17		14
END OF BORING	271.5				

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-12 (1 OF 1)

GROUND ENGINEERING CONSULTANTS, INC.
STRUCTURE BORING LOG

Page 1 of 1
Date 3/14/02

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

Boring No. B-12
Station 0+880.903
Offset 12.3 m Rt
Surface Elev. 283.85 (m)

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

Description	Elev.	Depth	Blows	Qu kPa	W %
7" concrete	283.6				
FILL, silty clay & topsoil, medium dense	282.9		5 4 8		27
SILTY CLAY, brown & gray, very stiff	282.2	-1.5	6 6 7	192 P	23
SAND, some gravel, brown, dense to medium dense, saturated		-3.0	13 18 22		10
			10 13 14		14
SANDY CLAY, brown, medium dense to loose	280.5	-4.5	9 8 9		12
			2 6 4		10
SAND, brown, dense, saturated	277.8	-6.0	8 8 8		12
			2 4 5		14
SANDY LOAM, gray	276.6	-7.5	22 16 16		15
			7 9 9		16

Description	Elev.	Depth	Blows	Qu kPa	W %
& brown, medium dense to dense			18 19 21		13
		-9.0	6 10 11		12
		-10.5	7 8 10		11
		-12.0	27 40 15		14
END OF BORING	271.8				

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 S1-33 of 37

BORING LOGS (3 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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