STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 303	29R-T	McHENRY	88	75
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO. 62202

BORING NO. B-18 (1 OF 2)

GROUND ENGINEERING CONSULTANTS, INC.
STRUCTURE BORING LOG

Page 1 of 2
Date 4/6/02

ROUTE _____ DESCRIPTION _____

SECT. _____ STRUCT. NO. _____ DRILLED BY BP

COUNTY McHenry LOCATION US 14 over Mokeler Creek S. ___, TWP. ___, RNG. ___

Boring No. B-18
Station 0+676.915
Offset 5.8 m Lt
Surface Elev. 292.83 (m)

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

Description	Depth	Blows	Qu kPa	W %
FILL, 5" asphalt & 7" concrete over gravel, sand, clay, topsoil & cinders, brown & black, medium dense to loose		5 6 7	192 P	18
	-1.5	4 6 7	240 P	22
	-3.0	6 10 12	192 P	21
	-4.5	10 17 14	192 P	19
		3 4 3		25
288.3		2 2 3		27
SAND, some gravel, brown, dense, damp to saturated at 26'	-6.0	20 18 24		4
	-7.5	17 18 19		6
		20 25 26		5
		17 28 43		6
284.4				
SILT, brown, loose to medium dense	-9.0	17 25 25		17
	-10.5	5 4 2		19
281.9				
SANDY LOAM, brown, medium dense	-12.0	5 6 7		16
	-13.5	5 11 10		14
	-15.0	22 17 13		8
		4 5 6		16

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-18 (2 OF 2)

GROUND ENGINEERING CONSULTANTS, INC.
STRUCTURE BORING LOG

Page 2 of 2
Date 4/6/02

STRUCTURE NO. _____
ROUTE _____
SECTION _____
COUNTY McHenry

Boring No. B-18
Station 0+676.915
Offset 5.8 m Lt
Elevation 277.8 (m)

Description	Depth	Blows	Qu kPa	W %
277.2				
SILTY CLAY LOAM, brown to gray, hard	-16.5	11 16 20		11
	-18.0	15 25 30		10
	-19.5	21 21 23		9
271.8	-21.0	33 57 43	431 P	6
END OF BORING	-22.5			

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

Sheet S1-36 of 37

BORING LOGS (6 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.

Soodan
Soodan & Associates, Inc.
Architects, Engineers & Construction Consultants
100 North LaSalle Street, Suite 1800
Chicago, Illinois 60602
Tel: 312/553-0003 Fax: 312/553-1006
E-Mail: transportation@soodan.com