



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation 0-2

SOIL BORING LOG

Page 1 of 2

Date 7/18/08

ROUTE FAP 316 DESCRIPTION D92-057-07 IL 26 Bridge over BNSF Railroad, 4 m. N. of Pines Road LOGGED BY J. Strating

SECTION 4 VBR-1 LOCATION Buffalo Twp. - 9 SW. SEC., TWP. 23N. R9G. 8E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 071-0010
Station 391+46
BORING NO. B-3
Station 393+18
Offset 15.00R LL CL
Ground Surface Elev. 884.40 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	C (%)	S (%)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion (ft)	After (ft)	H (ft)	P (%)	S (%)	M (%)
0	6" Asphalt					83.00	82.00							
0	10" Concrete													
0	MEDIUM brown SILTY CLAY LOAM													
0.5		0.5			20.0									
2	STIFF brown SILTY LOAM													
3		1.5			22.0									
4														
899.80														
5	LOOSE tan dry fine SAND													
3														
5														
887.80														
3	MEDIUM tan dry fine SAND													
6														
14														
885.40														
2	LOOSE tan dry fine SAND													
2														
2														
852.90														
3	LOOSE tan fine SAND													
3														
5														
849.90														
2	STIFF brown SILTY CLAY LOAM													
2		1.3			17.0									
3														
847.90														
3	MEDIUM brown SILTY CLAY LOAM with SAND lenses													
3		0.8			15.0									
3														
845.40														
2														
2														
825.40														
2														
2														
825.40														

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-89)



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3	MEDIUM tan fine SAND					83.00	82.00							
4														
8														
822.90														
4	MEDIUM tan fine SAND													
8														
12														
820.40														
1	Wash													
3	LOOSE tan/gray fine SAND													
5														
817.80														
8	MEDIUM tan fine SAND													
9														
14														
815.40														
2	Wash													
5	MEDIUM gray fine SAND													
11														
812.90														
5	5' Run													
6														
810.40														
3	MEDIUM gray fine SAND													
9														
16														
807.40														
16	VERY DENSE gray fine SAND, bottom 1" SANDY LOAM TILL													
24														
29														
805.40														
2														
2														
805.40														

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BBS, from 137 (Rev. 8-89)

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LOCHNER
H.W. LOCHNER, INC.
CONSULTING ENGINEERS AND PLANNERS
20 N. WACKER DRIVE, SUITE 1200
CHICAGO, ILLINOIS 60606

USER NAME =
FILE NAME = 0710096-64017-028-5B2.dgn
PLOT SCALE =
PLOT DATE =

DESIGNED -
CHECKED -
DRAWN -
CHECKED -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS II
STRUCTURE 071-0096

SHEET NO. 28 OF 29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	4VBR-1	OGLE	73	72
CONTRACT NO. 64D17			ILLINOIS FED. AID PROJECT	