



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

SOIL BORING LOG

Page 1 of 2

ROUTE FAP 316 DESCRIPTION D92-057-07 IL 26 Bridge over BNSF Railroad, 4 m. N. of Pines Road LOGGED BY W. Garza
SECTION 4 VBR-1 LOCATION Buffalo Twp. - 9 SW. SEC., TWP. 23N. RNG. 8E
COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)	DESCRIPTION
071-0010	391+46	B-4	392+34	13.00R Rt Cl	864.30					Surface Water Elev. 63.00 ft Stream Bed Elev. 62.00 ft Groundwater Elev.: First Encounter 821.6 ft Upon Completion Wash ft After Hrs.					
						0.8			15.0	STIFF gray SILTY CLAY LOAM	3	4	1.7	25.0	
					861.80	4				VERY STIFF light brown SILTY CLAY LOAM	6	2.3	17.0		HARD dark gray SILTY CLAY LOAM
					860.30	8									
						3			20.0	VERY STIFF light brown SILTY CLAY LOAM	4	2.9			VERY STIFF gray LOAM
					857.80	7									
						5			15.0	HARD light brown SILTY CLAY LOAM	6	5.0			STIFF gray LOAM
					866.30	11									
						4			25.0	STIFF gray SILTY CLAY LOAM	4	1.1			HARD dark gray LOAM
					852.80	6									
						4			22.0	VERY STIFF gray SILTY CLAY LOAM	8	3.1			STIFF gray SILTY CLAY LOAM
					850.30	7									
						3			29.0	MEDIUM gray SILTY CLAY LOAM with ORGANICS	4	0.8			VERY STIFF black SILTY LOAM with 38% ORGANICS
					847.80	5									
						3			23.0	STIFF dark gray SILTY CLAY LOAM	5	1.8			VERY STIFF black SILTY LOAM with 13% ORGANICS
					845.30	5									

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. 8-99)



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071-0010	391+46	B-4	392+34	13.00R Rt Cl	864.30					Surface Water Elev. 63.00 ft Stream Bed Elev. 62.00 ft Groundwater Elev.: First Encounter 821.6 ft Upon Completion Wash ft After Hrs.					
						2			25.0	MEDIUM gray SILTY LOAM with SAND lens	3	0.8			Wash STIFF gray SANDY LOAM TILL
					862.30	6									
						4				MEDIUM tan fine SAND	7	4.1	20.0		VERY STIFF gray SANDY LOAM TILL
					860.30	10									
						9			17.0	MEDIUM tan fine SAND	4	2.0			VERY DENSE gray weathered LIMESTONE
					857.80	13									End of Boring
						6			17.0	MEDIUM/DENSE tan fine SAND	4	1.8			
					855.30	5									
						4			12.0	Wash DENSE gray fine SAND	8	4.0			
					852.80	8									
						1			22.0	5' Run	3	1.1			
					850.30	4									
						3			106.0	Wash DENSE gray fine SAND with SILT lens	4	2.3			
					847.80	7									
						2			50.0	DENSE gray SILT	2	2.1			
					845.30	5									

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BBS, from 137 (Rev. 8-99)

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

USER NAME =	DESIGNED -	REVISED -
FILE NAME = 0710096-64D17-029-SB3.dgn	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS III
STRUCTURE 071-0096

SHEET NO. 29 OF 29 SHEETS

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