

# BORING LOGS

STATION 430+05.5 (EXISTING STA.) = STATION 912+26(PROPOSED)  
 STATION 429+98 (EXISTING STA.) = STATION 912+33.5(PROPOSED)  
 ELEVATION 99.4 = ELEVATION (EXISTING) 924

STATION 430+05.5 (EXISTING STA.) = STATION 912+26(PROPOSED)  
 STATION 430+21 (EXISTING STA.) = STATION 912+10.5(PROPOSED)  
 ELEVATION 99.4 = ELEVATION (EXISTING) 924.25

Illinois Department of Transportation  
 Division of Highways  
 Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1  
 Date 3/15/10

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert, .1 m. S. of E. Chelsea Road LOGGED BY W. Garza

SECTION LOCATION Nora Twp. - 19NW, SEC. , TWP. 28N, RNG. 5E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 043-1036  
 Station 430+05.5

BORING NO. B-1b  
 Station 429+98  
 Offset 14.50ft Rt CL  
 Ground Surface Elev. 99.4 ft

DEPTH (ft)	SOIL DESCRIPTION	U (tsf)	M (%)	DEPTH (ft)	SOIL DESCRIPTION	U (tsf)	M (%)
78.40	SOFT gray SILTY LOAM (continued)	0.5	22	78.40	SOFT gray SILTY LOAM (continued)	0.5	22
97.40	VERY STIFF brown LOAM	4.4	20	97.40	MEDIUM gray SILTY CLAY	4.4	20
95.90		5.5		95.90		5.5	
93.40	MEDIUM brown SILTY CLAY LOAM	2.4	17	93.40	MEDIUM gray CLAY LOAM	2.4	17
90.90	SOFT black SILTY CLAY LOAM	3.5	33	90.90	VERY STIFF gray CLAY	3.5	33
88.40	MEDIUM gray SILTY CLAY LOAM	2.3	29	88.40	DENSE gray weathered LIMESTONE	2.3	29
85.90	MEDIUM gray/brown SILTY CLAY LOAM	3.4	28	85.90	VERY DENSE tan weathered LIMESTONE	3.4	28
83.40	SOFT gray SILTY CLAY LOAM	2.3	34	83.40	End of Boring		
80.90	VERY STIFF gray SILTY CLAY	4.6	21	80.90			
	SOFT gray SILTY LOAM	2					

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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SECTION LOCATION Nora Twp. - 19NW, SEC. , TWP. 28N, RNG. 5E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 430+05.5  
 Station 430+05.5

BORING NO. B-2b  
 Station 430+21  
 Offset 14.00ft Lt CL  
 Ground Surface Elev. 99.4 ft

DEPTH (ft)	SOIL DESCRIPTION	U (tsf)	M (%)	DEPTH (ft)	SOIL DESCRIPTION	U (tsf)	M (%)
78.40	STIFF gray SILTY CLAY LOAM	1.1	20	78.40	MEDIUM gray SILTY LOAM (continued)	0.6	23
97.40	SOFT dark gray SILTY CLAY LOAM	1.2	30	97.40	SOFT gray SILTY LOAM	1	25
95.90		3		95.90		4	
93.40	MEDIUM gray SILTY LOAM	2.2	29	93.40	MEDIUM gray SILTY CLAY	2	28
90.90	MEDIUM gray SILTY CLAY LOAM	1.3	33	90.90	VERY STIFF gray CLAY	1.3	24
88.40	MEDIUM gray SILTY CLAY LOAM	2.3	33	88.40	VERY STIFF gray CLAY	2.4	26
85.90	VERY SOFT tan SILTY CLAY LOAM	0.2	37	85.90	MEDIUM gray SILTY CLAY	1.2	27
83.40	SOFT tan SILTY CLAY LOAM	1.4	28	83.40	VERY DENSE gray weathered LIMESTONE	3.3	
80.90	STIFF gray SILTY CLAY LOAM	2.3	23	80.90	End of Boring		
	MEDIUM gray SILTY LOAM	1					

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