Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 5/2/13

ROUTE US 20 Bypass EB DESCRIPTION P92-ST5 Sign Truss, I-39 US 20 Bypass, .6 m. E. of Alpine Road LOGGED BY W. Garza

SECTION LOCATION Cherry Valley Twp. - 9NW, SEC. , TWP. 43N, RNG. 2E

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

STRUCT. NO. 034
Station 1138+00

BORING NO. B-2
Station 1138+12
Offset 92.00ft Rt CL
Ground Surface Elev. 836.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 821.8 ft ▼
Upon Completion 833.3 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Long. - 89.011038 Lat. 42.213213 MEDIUM light brown SILTY CLAY LOAM	834.30			0.5 P	21
STIFF light brown SANDY LOAM ▽	832.30		2 3 4	1.1 B	20
MEDIUM light brown SANDY LOAM TILL	830.30	-5	2 2 5	0.8 P	12
STIFF light brown SANDY LOAM TILL	827.80		4 7 10	1.2 S	10
VERY STIFF light brown SANDY LOAM TILL	825.30	-10	7 12 21	3.6 P	10
VERY STIFF tan SANDY LOAM TILL	822.30		15 19 19	3.1 P	9
VERY DENSE tan weathered LIMESTONE	820.30	-15	28 42 55		
VERY DENSE tan weathered LIMESTONE	817.80		100/1"		
End of Boring		-20			

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)

Illinois Department of Transportation
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SOIL BORING LOG

Page 1 of 1

Date 4/30/13

ROUTE I-39 DESCRIPTION P92-ST6 Sign Truss, I-39, .2 m. S. of Linden Road LOGGED BY W. Garza

SECTION 201-2 & 3 LOCATION Cherry Valley Twp. - 9SW, SEC. , TWP. 43N, RNG. 2E

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

STRUCT. NO. 033
Station 2546+00

BORING NO. B-1
Station 2546+13
Offset 12.00ft Lt CL
Ground Surface Elev. 840.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Long. - 89.018454 Lat. 42.220269 STIFF brown SILTY CLAY LOAM	838.20			1.0 P	16
LOOSE tan weathered LIMESTONE (fill)	836.70		7 6 4		
VERY STIFF light brown SILTY CLAY LOAM	834.20	-5	3 5 8	2.1 B	23
HARD redish brown CLAY LOAM TILL	831.70		5 10 13	4.2 B	13
Hard Drilling VERY STIFF tan SANDY LOAM	829.20	-10	8 13 22	3.5 S	8
VERY STIFF brown SANDY CLAY LOAM	826.70		5 6 13	2.4 P	16
HARD brown CLAY LOAM	824.20	-15	4 7 10	4.1 B	20
STIFF brown/tan SANDY LOAM with SAND lens	821.70		2 4 6	1.6 P	10
STIFF light brown SANDY LOAM		-20	3		
STIFF light brown SANDY LOAM *(continued)*	819.20		4 6	1.8 S	12
STIFF tan SANDY LOAM TILL	816.70		4 5 7	1.3 P	8
STIFF tan SANDY LOAM TILL	814.20	-25	7 13 14	1.3 P	18
Hard Drilling HARD tan SANDY LOAM TILL	811.70		20 28 30	4.5 P	7
Hard Drilling VERY STIFF tan SANDY LOAM TILL	809.20	-30	15 21 23	2.1 S	8
End of Boring		-35			
		-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. 8-99)

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SOIL BORING LOG

Page 1 of 1

Date 4/30/13

ROUTE I-39 DESCRIPTION P92-ST6 Sign Truss, I-39, .2 m. S. of Linden Road LOGGED BY W. Garza

SECTION 201-2 & 3 LOCATION Cherry Valley Twp. - 9SW, SEC. , TWP. 43N, RNG. 2E

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

STRUCT. NO. 033
Station 2546+00

BORING NO. B-2
Station 2546+18
Offset 117.00ft Rt CL
Ground Surface Elev. 840.9 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Long. - 89.018435 Lat. 42.220012 SOFT light brown LOAM	838.90			0.4 P	13
STIFF tan SANDY LOAM	837.40		5 6 6	1.2 B	15
STIFF light brown CLAY LOAM	834.90	-5	4 4 5	1.5 B	19
VERY STIFF light brown CLAY LOAM	832.40		3 5 9	2.9 B	15
VERY STIFF light brown/gray LOAM	829.90	-10	4 7 12	3.1 B	18
HARD tan SANDY LOAM with LIMESTONE	827.40		17 17 12	4.5 P	15
VERY STIFF tan SANDY CLAY LOAM	824.90	-15	6 8 13	2.5 B	11
VERY STIFF light brown CLAY LOAM	822.40		5 6 10	3.1 B	18
		-20	3		
STIFF light brown SILTY CLAY LOAM *(continued)*	819.90		3 6	1.2 B	22
STIFF light brown SANDY LOAM with SAND lens	816.90		5 4 9	1.1 S	13
STIFF tan SANDY LOAM TILL	814.90	-25	3 4 4	1.2 P	12
VERY DENSE tan SANDY LOAM TILL	812.40		7 18 33		6
VERY DENSE tan SANDY LOAM TILL Refusal @ 30.5'	810.40	-30	36 100/8"		7
End of Boring		-35			
		-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. 8-99)

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USER NAME = jattanasco	DESIGNED - NG	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE = 0:2.0000 ':' / in.	DRAWN - RD	REVISED -	
PLOT DATE = 1/31/2014	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
BORING LOG - 3

SHEET NO. S-25 OF S-26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	•	••	45	44
• D-2 OVD SIN STR REPL 14-27		CONTRACT NO. 46288		
	ILLINOIS	FED. AID PROJECT		

•• WINNEBAGO & OGLE