Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 4/3/13

ROUTE FAI 39 DESCRIPTION P92-ST4 I-39 Sign Truss NB, .5 m. S. of US 20 Bypass LOGGED BY W. Garza

SECTION 201-(1-2, 2 & 3) SG LOCATION Cherry Valley Twp. - 9SW, SEC. , TWP. 43N, RNG. 2E

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

STRUCT. NO. 032
Station

BORING NO. B-1
Station 2522+70
Offset 24.00ft Rt CL NB
Ground Surface Elev. 617.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Long. - 89.012469 814.5
Lat. 42.206785

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown LOAM	615.00			0.3 P	14
VERY DENSE tan weathered LIMESTONE (fill)	613.50				
MEDIUM light brown SANDY LOAM	611.00	-5	5 4 12	0.5 P	12
HARD tan SANDY CLAY LOAM	608.50		8 7 14	5.0 S	10
No Recovery	606.00	-10	9 12 13		
HARD tan SILTY CLAY	603.50		8 11 13	6.8 S	16
MEDIUM tan dry fine SAND	601.00	-15	7 12 16		
VERY DENSE tan SANDY LOAM	598.50	-20	25 53 51 / 21		7
Hard Drilling VERY DENSE tan SANDY LOAM TILL *(continued)*	596.00	-25	100/6"		
End of Boring		-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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Date 4/3/13

ROUTE FAI 39 DESCRIPTION P92-ST4 I-39 Sign Truss NB, .5 m. S. of US 20 Bypass LOGGED BY W. Garza

SECTION 201-(1-2, 2 & 3) SG LOCATION Cherry Valley Twp. - 9SW, SEC. , TWP. 43N, RNG. 2E

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

STRUCT. NO. 032
Station

BORING NO. B-2
Station 2522+65
Offset 66.50ft Lt CL NB
Ground Surface Elev. 610.1 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Long. - 89.012787 808.5
Lat. 42.206888

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SILTY CLAY LOAM	608.10			0.3 P	16
VERY DENSE tan SANDY LOAM TILL	606.60		36 44 56		7
VERY DENSE tan SANDY LOAM TILL	603.60	-5	39 48 48		7
VERY DENSE tan SANDY LOAM	601.60	-10	33 47 56		
End of Boring		-15			
		-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)

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SOIL BORING LOG

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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-1
Station 1138+13
Offset 7.00ft Lt CL
Ground Surface Elev. 836.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 829.3 ft ▼
Upon Completion 820.8 ft ▽
After Hrs. ft

Long. - 89.011529
Lat. 42.213210

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown/tan LOAM	834.30			0.8 P	18
VERY STIFF light gray SILTY CLAY LOAM TILL	832.80		3 5 7	2.1 P	21
MEDIUM light gray SILTY CLAY LOAM TILL	829.80	-5	2 3 3	0.5 B	25
LOOSE light brown fine SAND	827.80		3 5 4		
VERY LOOSE light brown fine SAND	825.30	-10	1 1 2		
MEDIUM light brown dirty SAND with LIMESTONE fragments	822.30		4 5 13		
VERY STIFF tan SANDY LOAM TILL with LIMESTONE, Dolomite 6"	819.80	-15	7 14 26	2.3 S	10
VERY DENSE tan weathered LIMESTONE	817.80		100/3"		
VERY DENSE tan weathered LIMESTONE *(continued)*	815.30	-20	100/1.5"		
End of Boring		-25			
		-30			
		-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)

Note:
Ground surface elevations for structure number 032 revised based on survey information.

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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 - 2

SHEET NO. S-24 OF S-26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	•	••	45	43
• D-2 OVD SIN STR REPL 14-27		CONTRACT NO. 46288		
		ILLINOIS FED. AID PROJECT		

•• WINNEBAGO & OGLE