Illinois Department of Transportation

SOIL BORING LOG

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Date 10-15-2010

ROUTE FAI 72 DESCRIPTION Overhead Sign Structure LOGGED BY BJS

SECTION D6 Overhead Sign Repl LOCATION At Beginning of Ramp Carrying EB Clearlake Ave. to NB I-55

COUNTY Sangamon STRUCTURE NO. 6C084I072R103.0 (Exist) _____ (Prop.) _____

BORING NO. 6C084I072R103.0 DRILLING METHOD HSA HAMMER TYPE 140 lb Automatic

Station 52+44
Offset 10 ft RT of EOP
Ground Surface Elev. 586.76 (ft.)

Surface Water Elev. n/a (ft.)
Groundwater Elev.
First Encounter dry (ft.)
Upon Completion dry (ft.)
After 96 Hrs. dry (ft.)

SOIL DESCRIPTION	ELEV (ft.)	DEPTH (ft.)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Gravel (2")					
Fill: Gray and Yellow Brown, Moist, Silty Clay, with Sand and Gravel		2.5			
Fill: Yellow Brown mottled Gray, with Seam of Clay, Silty	581.76	5	2 3 4	2.48 B	21.9
Fill: Yellow Brown mottled Gray and Light Gray, Moist, Clay, Silty, Grading to Silty Clay to Silty Loam	579.76	7.5	3 4 5	2.39 B	22.6
Fill: Yellow Brown, Moist, Fine Sand, Silty, Trace Gravel	577.26	10	5 4 5 10 9 3		13.9 10.2
Fill: Gray and Yellow Brown, Dry and Moist, Fine Gravel, Silty over Silty Clay, Trace Brick	574.76	12.5	1 1 0		58.6
Fill: Reddish Brown, Moist, Wood, with Silty Clay	572.26	15	2 2 4	1.08 B	21.2
Reddish Brown, Moist, Silty Clay Loam, Trace Sand					

SOIL DESCRIPTION	ELEV (ft.)	DEPTH (ft.)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Yellow Brown, with Sandy Seams	567.26	17.5	1 3 4	1.76 B	17.5
Yellow Brown, Moist Grading to Dry, Silty Loam, with Sand Grading more Sandy with Depth	564.76	20	3 7 12		15.6
Seams of Yellow Brown and Reddish Brown, Dry, Silty Loam, Silty Sand, and Silty Clay Loam	562.26	22.5	17 16 20		14.1
Light Brown/Yellow Brown mottled Brown, Dry, Silty Loam, Sandy	559.26	25	8 33 100/5		13.3
Gray, Dry, Silty Loam, Trace Sand		27.5	100/5		
End of Boring @ 27.5 Ft.		30			8.4
		32.5			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
The Standard Penetration Test (SPT) N Value is per (AASHTO T206)

BBS 137 (9/05)

Illinois Department of Transportation

SOIL BORING LOG

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Date 10-11-2010

ROUTE FAI 55 DESCRIPTION Overhead Sign Structure LOGGED BY BJS

SECTION D6 Overhead Sign Repl LOCATION SB I-55 At Exit 82 (IL 104)

COUNTY Sangamon STRUCTURE NO. 6S084I055L082.1 (Exist) _____ (Prop.) _____

BORING NO. 6S084I055L082.1 DRILLING METHOD HSA HAMMER TYPE 140 lb Automatic

Station 494+65
Offset 37 ft RT of EOP
Ground Surface Elev. 597.93 (ft.)

Surface Water Elev. n/a (ft.)
Groundwater Elev.
First Encounter dry (ft.)
Upon Completion dry (ft.)
After 48 Hrs. 593.43 (ft.)

SOIL DESCRIPTION	ELEV (ft.)	DEPTH (ft.)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Topsoil (2")					
Yellow Brown, Moist, Silty Clay, Trace Sand	594.43	2			
Light Gray mottled Yellow Brown, Moist, Clay, with Sand and Thin Clayey Sand Seam		4	2		
Sandy, Trace Gravel, Silty		6	3 3 2 2 3	1.89 B 1.48 B	20.3 25.1
Yellow Brown, Sandy, Silty		8	1 2 3	1.39 B	20.7
Yellow Brown, Dry, Clay Loam, Trace Gravel	588.43	10	10 30 46	4.5+ P	8.3
Yellow Brown mottled Brown, Dry, Loam, Trace Gravel	585.93	12	14 27 28	4.5+ P	8.7

SOIL DESCRIPTION	ELEV (ft.)	DEPTH (ft.)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Mottled Light Gray, Trace Gravel		14 16	11 24 32	17.35 +	9.6
Yellow Brown mottled Light Gray, Trace Gravel, with 1" Sand Seam	578.43	18	6 19 20	12.21 +	10.8
Yellow Brown mottled Light Brown, Moist, Clay Loam, Trace Gravel		20	8 16 22	7.22 +	10.7
Mottled Greenish Brown, Trace Gravel, with Very Thin Sand Seam	574.43	22 24	12 15 26	4.5+ P	13.0
End of Boring @ 23.5 Ft.		26			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
The Standard Penetration Test (SPT) N Value is per (AASHTO T206)

BBS 137 (9/05)

FILE NAME =	USER NAME =	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - ---	REVISED - ---	
	PLOT SCALE =	DRAWN - ---	REVISED - ---	
	PLOT DATE =	CHECKED - ---	REVISED - ---	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Various	D-6 OVD SIN STR REPL II-II	Logan&Sangamon	29	28
		CONTRACT NO. 46134		
		ILLINOIS FED. AID PROJECT		