Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 2/4/10

ROUTE I-57/70 DESCRIPTION Overhead Sign Truss locations LOGGED BY E. Sandschafer

SECTION Various LOCATION NW 1/4, SEC. 1, TWP. 7 N, RNG. 5 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 7S025I070R091.4
Station 2008+85

BORING NO. 1A DL
Station 2008+85
Offset 64.00ft Rt
Ground Surface Elev. 526.57 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 508.6 ft
Upon Completion 508.6 ft
After 96 Hrs. 520.5 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
8" asphalt shoulder.	525.87				
Stiff, damp, brown, SANDY CLAY.			3		
			3	1.2	12
			9	B	
Medium, damp, brown to gray, SILTY CLAY LOAM.	522.07	-5	2		
			2	0.7	12
			2	B	
			3		
			5	1.0	14
			3	B	
		-10	1		
			2	0.6	1
			4	B	
Soft to medium, damp, gray, SANDY CLAY LOAM.	514.57		1		
			4	0.5	12
			4	B	
Very stiff, damp, brown, CLAY LOAM TILL.	512.07	-15	3		
			4	2.7	13
			4	B	
Gray, SILTY LOAM.	511.07				
Very soft, damp, dark gray, SANDY LOAM.	509.57		4		
			5	0.1	16
			6	B	
Gray, fine grained, SAND. *6% passing #200 sieve.*	508.57				
		-20	0		
Very soft, damp, gray, SILTY LOAM. *(continued)*			0	0.1	26
			1	B	
Very soft, damp, gray, SANDY LOAM.	504.57		0		
			0	0.2	25
			0	B	
		-25	0		
			1	0.1	25
			2	B	
Very loose, wet, brown to gray, fine grained, SAND. *2% passing #200 sieve.*	499.57		1		
			2		8
			2		
		-30	1		
			3		20
			6		
Hard, damp, gray, CLAY LOAM TILL.	492.07	-35	5		
			11	5.3	13
			18	BS	
Extent of exploration.	490.57	-40			

Latitude N 38 deg 35.579 min. Longitude N 39 deg 05.452 min. Map Datum WGS 84

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 3/2/10

ROUTE I-57/70 DESCRIPTION Overhead Sign Truss locations LOGGED BY E. Sandschafer

SECTION Various LOCATION NW 1/4, SEC. 1, TWP. 7 N, RNG. 5 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 7S025I070R091.4
Station 2008+85

BORING NO. 1B PL
Station 2008+85
Offset 32.00ft Rt
Ground Surface Elev. 526.86 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 515.9 ft
Upon Completion 515.9 ft
After 24 Hrs. 520.9 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
9" asphalt shoulder, 11" granular subbase.	525.16				
Very stiff, damp, gray, CLAY w/ Sand.			5		
			17	2.4	17
			17	BS	
Medium, damp, gray to brown, CLAY LOAM w/ trace small gravel.	522.36	-5	3		
			3	0.6	17
			4	B	
			6		
			7	0.8	19
			3	B	
Soft to medium, damo, gray, LOAM w/ trace small gravel.	517.36	-10	2		
			2	0.5	12
			3	B	
Very stiff to medium, damp, red to brown, CLAY LOAM TILL.	514.86		4		
			5	2.2	11
			5	B	
		-15	3		
			5	0.8	15
			6	B	
Gray, SANDY LOAM. *Estimated original ground elevation.*	511.36				
Loose, very moist, gray, fluffy, SAND. *7% passing #200 sieve.*	509.86		2		
			5		6
			4		
6% passing #200 sieve.		-20	1		
			3		24
			3		
Medium, damp, gray, SILTY LOAM.	504.86		0		
			0	0.8	28
			2	B	
Very soft to medium, damp, gray, SANDY LOAM.	502.36	-25	0		
			1	0.1	24
			1	B	
			0		
			1	0.7	31
			3	B	
Skipped this trip, SAND in augers, washed.	497.36	-30			
Stiff, damp, blue gray, SANDY CLAY TILL.	494.36	-35	6		
			9	1.7	17
			8	B	
Extent of exploration.	490.86	-40			

Latitude N 38 deg 35.562 min. Longitude N 39 deg 05.455 min. Map Datum WGS 84

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)

FILE NAME = S:\Projects\403-00072_57-70\dgn\S TrlLv\boring logs.dgn	USER NAME = paul	DESIGNED - EWS	REVISED -
		DRAWN - PDB	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - BRM	REVISED -
	PLOT DATE = 3/18/2010	DATE - 3-11-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS FOR SIGN TRUSS FOUNDATIONS

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-3)R	EFFINGHAM	1416	386
		CONTRACT NO. 74296		

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT