Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 5/24/07

ROUTE FAI 57/70 DESCRIPTION I-57/I-70 Three Lanes - Use Borings LOGGED BY E. Sandschafer

SECTION (25-3,4)R LOCATION SEC., TWP., RNG., 3 PM

COUNTY Effingham DRILLING METHOD Hydraulic Pushed HAMMER TYPE Auto 140#

STRUCT. NO. N/A
Station 625-I70WB, I57SB

BORING NO. 609 I57SB/I70WB
Station 2285+00
Offset 41.00ft Lt
Ground Surface Elev. 621.57 ft

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

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10" asphalt shoulder. 620.83			
0.5" Aggregate subbase. 620.67			
Stiff to medium, damp, gray/red/brown, CLAY w/ trace fine gravel and sand		1.9 B	20
		0.8 B	18
		0.8 B	15
Extent of exploration. 613.67			

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. 6-99)

Illinois Department of Transportation

SOIL BORING LOG

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Date 6/13/13

ROUTE FAI 57 (I-57/I-70) DESCRIPTION Temporary Shoring System at US 45 Bridge LOGGED BY E. Sandschafer

SECTION LOCATION NW, SEC, 16, TWP, T8N, RNG, R6E, 3 PM

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

STRUCT. NO. N/A
Station

BORING NO. TSS 2013-3 (SW)
Station 2289+70
Offset 9.5ft Rt
Ground Surface Elev. 624.23 ft

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

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

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
2" topsoil. 624.13			
Very stiff to stiff, damp, brown/gray, CLAY LOAM.	3		
	4 5	3.30 B	16
	4 3 5 6	1.98 B	24
	4 4 4	1.15 B	22
	3 4 5	1.48 B	16
	2 3 4	1.15 B	18
	3 2 3	1.15 B	14
	4 5 6	1.48 B	22
	4		

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Very stiff to stiff, damp, brown/gray, CLAY LOAM. (continued) 603.23	5 6	1.48 B	19
Extent of exploration.			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 6-99)

Illinois Department of Transportation

SOIL BORING LOG

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Date 6/13/13

ROUTE FAI 57 (I-57/I-70) DESCRIPTION Temporary Shoring System at US 45 Bridge LOGGED BY E. Sandschafer

SECTION LOCATION NW, SEC, 16, TWP, T8N, RNG, R6E, 3 PM

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

STRUCT. NO. N/A
Station

BORING NO. TSS 2013-4 (NW)
Station 2290+25
Offset 11.00 Lt
Ground Surface Elev. 624.40 ft

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

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

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Very stiff, damp, brown marbled gray, CLAY LOAM.	3		
	4 5	2.27 B	18
	3 5 4	1.90 B	24
617.40			
Very stiff, damp, brown marbled gray, CLAY.	3		
	3 4	2.08 B	18
	3 4	1.98 B	27
612.90			
Stiff to very stiff, damp, brown, CLAY LOAM.	2		
	3 6	2.08 B	18
	3 4	1.07 B	16
	3 5 6	2.27 B	14
	2		

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Stiff to very stiff, damp, brown, CLAY LOAM. (continued) 603.40	3 5	1.40 B	21
Extent of exploration.			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 6-99)

S:\Projects\ws\2012_57-70\Bridges\Bridge Temp Shoring to 625-6\Final 0\2 (formerly 0\3\4\0\0\Roadway Temp Steeling Plans\Roadway_Temp_Steeling_Plans.dgn

FILE NAME = Roadway_Temp_Steeling_Plans.dgn	USER NAME = bbovee	DESIGNED -	REVISED
BERNABOM-LOCHMUELLER & ASSOCIATES, INC. 1 OAK DRIVE MARYVILLE, ILLINOIS 62062 PHONE (618) 288-6686 FAX (618) 288-6686	Illinois Design Firm Number 184.001670	CHECKED -	REVISED
	PLOT SCALE =	DRAWN - EDW	REVISED
	PLOT DATE = 7:56:08 AM 6/18/2013	CHECKED - CJF	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS

SHEET NO. 4 OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-4HVB-1)BY	EFFINGHAM	1760	252
		CONTRACT NO. 74295		
	ILLINOIS	FED. AID PROJECT		