Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 5

Date 4/19/07

ROUTE FAI 57/70 DESCRIPTION I-57/70 over US 45 LOGGED BY E. Sandschafer

SECTION (25-4,3)R LOCATION N 1/2, SEC. 16, TWP. 8 N, RNG. 8 E, 3 PM

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

STRUCT. NO. (EX) 025-0013/0014
Station 2264+12.22

BORING NO. 4
Station 2295+95
Offset 4.00ft Lt
Ground Surface Elev. 624.58 ft

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

Groundwater Elev.:
First Encounter 435.1 ft
Upon Completion Washed ft
After 24 Hrs. 612.0 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium to stiff, damp, brown & gray, CLAY.			
5	5		
	12	2.5	12
	25	PP	
10	6		
	10	2.2	13
	16	B	
15	3		
	4	1.2	14
	9	B	
20	4		
	4	1.0	18
	6	B	
25	2		
	4	1.0	16
	5	B	
30	3		
	4	1.4	13
	5	B	
35	2		
	3	1.0	15
	4		
40	3		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium to stiff, damp, brown & gray, CLAY. (continued)			
5	5	1.7	15
	5	BS	
10	2		
	5	1.5	16
	8	B	
15	1		
	4	1.4	12
	5	B	
20	3		
520.38 Gray, SILTY LOAM w/ wood chunks. 505.08	7	2.2	7
	7	B	
Stiff, damp, gray marbled red, CLAY.	3		
	4	1.7	15
	6	B	
30	2		
Medium to very soft, gray, SILTY LOAM.	5	0.9	20
	7	B	
35	1		
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)

Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 5

Date 5/7/07

ROUTE FAI 57/70 DESCRIPTION I-57/70 over US 45 LOGGED BY E. Sandschafer

SECTION (25-4,3)R LOCATION N 1/2, SEC. 16, TWP. 8 N, RNG. 8 E, 3 PM

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

STRUCT. NO. (EX) 025-0013/0014
Station 2264+12.22

BORING NO. 4
Station 2295+49
Offset 0.00ft
Ground Surface Elev. 626.12 ft

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

Groundwater Elev.:
First Encounter 566.8 ft
Upon Completion Washed ft
After 24 Hrs. 610.4 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, very moist, brown, CLAY TILL.			
5	4		
	5	4.5	8
	6	PP	
10	2		
621.62 Soft, damp, brown to gray, SILTY CLAY LOAM.	3	3.2	15
	4	PP	
15	2		
	2	0.3	21
	4	B	
20	0		
	1	1.5	22
	2	R	
25	1		
614.12 Stiff, damp, gray, SILTY CLAY LOAM.	3	1.7	16
	5	B	
30	1		
611.62 Stiff, damp, gray marbled red, CLAY LOAM TILL.	2	1.9	20
	4	B	
35	1		
	3	1.5	17
	4	B	
40	1		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, damp, gray marbled red, CLAY LOAM TILL. (continued)	2	1.4	21
	4	B	
604.12 Medium to stiff, damp, red, LOAM TILL.	1		
	2	1.0	16
	3	B	
601.62 Stiff, damp, red, CLAY LOAM TILL.	1		
	3	1.8	19
	5	B	
596.12 Stiff, damp, brown, SILTY CLAY TILL.	1		
	3	1.3	23
	4	B	
590.62 Stiff, damp, red, CLAY LOAM TILL.	2		
	3	1.8	12
	7	BS	
585.12 Stiff, damp, red, SANDY LOAM TILL.	4		
Stiff, damp, red/grey, CLAY LOAM TILL.	4	1.2	10
	7	B	
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)

Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 5/29/13

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. 8N, RNG. 8E, 3 PM

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

STRUCT. NO. N/A
Station

BORING NO. TSS 2013-1 (SE)
Station 2290+25
Offset 11.0ft Rt
Ground Surface Elev. 629.06 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. 617.1 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
3" topsoil. 629.06			
Stiff, damp, brown, CLAY LOAM.			
5	4		
	4	1.20	20
	4	B	
10	1		
	2	1.65	19
	3	B	
15	2		
	3	1.57	20
	3	B	
20	1		
	2	2.06	24
	3	B	
25 613.06 Very soft, very damp, gray, SILTY CLAY.	1		
	2	0.21	21
	2	B	
30 610.56 Very stiff, very damp, gray, CLAY LOAM.	3		
	3	2.06	19
	5	B	
35 606.06 Medium, damp, brown, SILTY CLAY LOAM.	2		
	2	0.99	22
	4	B	
40 609.56 Stiff, damp, brown, CLAY LOAM.	3		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, damp, brown, CLAY LOAM. (continued)	5	1.57	10
604.06 Extent of exploration.	6	B	
5			
10			
15			
20			
25			
30			
35			
40			

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. 8-99)

Note: Non-applicable sheet of Boring B-1 and B-4 have been removed for clarity

S:\Projects\403-00072_57-70\Bridges\Bridge Temp Shoring to 025-0013 and 014 (formerly 003)\ADOR\Roadway Temp Steelling Plans\Roadway_Temp_Steelling_Plans.dgn

FILE NAME = Roadway_Temp_Steelling_Plans.dgn	USER NAME = bbovee	DESIGNED -	REVISED
Illinois Design Firm Number 184.001570		CHECKED -	REVISED
	PLOT SCALE =	DRAWN - EDW	REVISED
	PLOT DATE = 7:56:56 AM 6/18/2013	CHECKED - CJF	REVISED

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS

SHEET NO. 5 OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-4HVB-1)BY	EFFINGHAM	1760	253
		CONTRACT NO. 74295		
		ILLINOIS FED. AID PROJECT		