Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 8/3/11

ROUTE FAI 70 (I 70) DESCRIPTION FAS 2720 (Interstate Drive) over I-70 at St. Elmo Interchange LOGGED BY E. Sandschafer

SECTION (26-5,26-5-1,25-1-1)R LOCATION NW 1/4, SEC. 34, TWP. 7 N, RNG. 3 E, 3 PM

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

STRUCT. NO. 026-0055
Station 50+00

BORING NO. 2 (N Abut)
Station 51+46
Offset 7.0ft Rt
Ground Surface Elev. 634.42 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. Filled ft

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
2" asphalt on 10.5" concrete pavement. 633.32			
Medium to soft, damp, brown, CLAY, embankment.	0		
	0 2	0.8 B	20
-5	0		
Brown marbled gray.	1 1	0.4 B	21
Reddish brown marbled gray.	1		
	2 3	0.8 B	18
624.92			
Stiff to medium, damp, reddish brown/gray/brown, CLAY, embankment. -10	2		
	2 5	1.5 B	18
	1		
	2 3	1.0 B	21
-15	1		
	2 3	0.6 B	20
	2		
	3 4	2.1 B	19
614.42 -20	2		
Stiff, damp, gray, CLAY, embankment.	2 2	1.3 B	20
612.42			
Medium to soft, damp, gray, SILTY CLAY.	8		
	4 5	0.5 B	23
609.92			
Loose, damp, gray, SANDY CLAY w/ strong petroleum odor. Sample broken, unable to test for Qu. -25	3		
	4 5		17
607.42			
Stiff to medium, damp, gray/reddish brown/black/brown, CLAY.	1		
	3 4	1.7 B	23
-30	1		
	3 8	1.0 B	21
-35	1		
	1 2	1.0 B	21
594.92 -40	10		

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)

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DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Hard, damp, brown, SANDY CLAY TILL. (continued)	20 24	8.7 B	11
589.92			
Hard, damp, brown, CLAY LOAM TILL. -45	8		
	16 50	6.9 B	14
588.42			
Extent of exploration.			
Benchmark: CB-3 chiseled square on top bridge curb, SW corner of existing SN 026-0055 = 635.63' elevation. -50			
-55			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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V3 Companies of Illinois Ltd.
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME =	DESIGNED - WJV	REVISED -
	CHECKED - CJB	REVISED -
PLOT SCALE =	DRAWN - WJV	REVISED -
PLOT DATE = 12-22-2011	CHECKED - CJB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING II
STRUCTURE NO. 026-0055
SHEET NO. 24 OF 24 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2720	(26-5,26-5-1,26-1-1)R	Fayette	92	91
		CONTRACT NO. 74469		
	ILLINOIS FED. AID PROJECT			