Illinois Department of Transportation
Division of Highways
Geotechnology, Inc

SOIL BORING LOG

Date 3/19/10

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY EED

SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W

COUNTY St. Clair DRILLING METHOD HSA with MR below 25 ft HAMMER TYPE CME 750X / 73%

STRUCT. NO. 8C082I055L002.7
Station SB 91+30.00

BORING NO. ST- 6
Station Mile Marker 3.6
Offset
Ground Surface Elev. 411.90 ft

Surface Water Elev. Unknown ft
Stream Bed Elev. Unknown ft

Groundwater Elev.:
First Encounter 390.9 ft ▼
Upon Completion ** ft
After ____ Hrs. ** ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
411.57			
Topsoil – 4 inches			
Brown to gray, SILTY LOAM (FILL)	1		
	2 1	0.5 B	23
	2		
	4 5	0.7 S	22
-5			
406.40			
Gray, CLAY LOAM (FILL), with brick, slag, concrete, and glass	2		
	3 3	0.9 S	26
	1		
	3 4	0.8 S	22
-10			
	4		
	5 6	1.8 S	24
	5		
	5 4	1.1 S	23
-15			
396.40			
Medium stiff, gray, CLAY	1		
	2 3	1.0 S	41
	2		
	2 3	0.9 B	33
-20			
Medium stiff, gray, CLAY (continued)			
▼	0		
	1 1	0.7 B	33
	0		
	0 1	0.7 B	34
-25			
	0		
	0 1	0.5 B	49
	0		
382.40			
	8 18		40
-30			
Dense, gray, FINE GRAINED SAND			
Grain Size Distribution Conducted	11		
	19 16		
376.90 -35			
End of Boring			
-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)

* Rimac not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

FILE NAME = D8TRI-76C52-sht-truss-details-SOIL_BORING.dgn	USER NAME = mmcconachie	DESIGNED - AECOM	REVISED -
		DRAWN - PMK	REVISED -
	PLOT SCALE = 3.1676 ' / in.	CHECKED - MPW	REVISED -
	PLOT DATE = 1/19/2012	DATE - 1-20-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING

SCALE: NA | SHEET NO. 2 OF 6 SHEETS | STA. NA | TO STA. NA

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	82-1-R(A), 82-1-R(B)	ST. CLAIR	629	434
•64/998/70		CONTRACT NO. 76C52		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		