

17-OCT-2012 16:45 P:\C\3000\700\cadd\709str\FINAL PLANS\0820334-76848-074-Boring Log 14.dgn

Illinois Department of Transportation
SHELBY TUBE TEST RESULTS

Page 1 of 3
Date 02/27/10

ROUTE FAP 788 DESCRIPTION Relocated Illinois Route 3 DRILLED BY Geotechnical Inc.

SECTION 520-1-2HVB LOCATION SE 1/4, NW 1/4, SW 1/4, SEC. 12, TWP. 2N, RND. 10W, 3rd PM

COUNTY St. Clair STRUCT. NO. 082-0334 S-0335

BORING NO. ST-3 Station 649+00

Ground Surface Elev. 410.51 ft Tube Length 30 ft
Offset 37.500 ft Begin Sampling Depth 2 ft Tube Diameter 2.87 in

DEPTH (ft)	SOIL TYPE, DESCRIPTION AND OBSERVATIONS		UNIT WEIGHT (pcf)	WATER CONTENT (%)	SHRINKAGE (%)	LIQUID LIMIT (PL)	PLASTIC LIMIT (PL)	PLASTICITY INDEX (PI)	TEST TYPE
	(ft)	(%)							
1.1	100	Black, silty LOAM trace brick fragments (FILL)	N/A						
1.2									
1.3									
1.4									
2.1	100	Black, clay LOAM	N/A						
2.2									
2.3									
2.4									
3.1	100	Dark brown, CLAY	121.8	0.5					
3.2		Dark brown, clay LOAM							
3.3		Dark gray to black, LOAM							
3.4		Dark brown to gray, CLAY (Aluminum)							
4.1	63	Dark brown, silty LOAM	N/A						
4.2		Light brown to gray, CLAY							
4.3									
4.4									
5.1	75	Dark brown, silty LOAM	N/A						
5.2									
5.3									
5.4									
6.1	54	Dark brown, silty LOAM	118.8	1.1					0.3 0 UU
6.2									
6.3									
6.4									
7.1	75	Dark brown, silty LOAM	N/A						
7.2									

The "Unit Weight" column indicates the "wet" or "moist" unit weight of the sample.
The "Strength" column represents the "unconfined compressive" strength of the sample (ASTM D 2938).
The "Test Type" indicates if Unconsolidated Undrained (UU) or Consolidated Undrained (CU) test procedures (ASTM D 2938 or D 2939) were used.

BMPR FORM 1004A (Rev. 8-09)

BORING ST-3
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	(ft)	(%)							
7.3		Gray, CLAY	N/A						
7.4									
8.1	100	Trace sand lenses between 17.6 and 18.0 ft.	N/A						
8.2									
8.3									
8.4									
9.1	100		117.5	31					0.4 0 UU
9.2									
9.3									
9.4									
10.1	100		114.4	0.5					
10.2									
10.3									
10.4									
11.1	100		114.4	0.8					
11.2									
11.3									
11.4									
12.1	100	Gray, silty CLAY	121.5						0.4 0 UU
12.2		Gray, CLAY							
12.3		-with sand seams below 24.5 ft.							
12.4									
13.1									
13.2									
13.3									
13.4									

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	(ft)	(%)							
14.1	75	Gray, silty LOAM	N/A						
14.2									
14.3									
14.4									

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BMPR FORM 1004A (Rev. 8-09)

BORING ST-3
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JACOBS	USER NAME =	DESIGNED - TSI ENGINEERING	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 082-0334 (N.B.) & 082-0335 (S.B.)	F.A.P. RTE. 788	SECTION 520-1-2HVB	COUNTY ST. CLAIR	TOTAL SHEETS 237	SHEET NO. 131		
	PLOT DATE = 17-OCT-2012	DRAWN - M. MEYER	REVISED -			SHEET NO. C74 OF 76 SHEETS		ILLINOIS FED. AID PROJECT				
	FILE NAME = 0820334-76848-074-Boring Log 14.dgn	CHECKED - R. RILEY	REVISED -									