



Illinois Department
of Transportation
Division of Highways
Geotechnology, Inc

SHELBY TUBE TEST RESULTS

ROUTE FAP 998 DESCRIPTION Irlevel interchange DRILLED BY BS

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

COUNTY St. Clair STRUCT. NO. 8S0821055R003.2

BORING NO. RW-408ST Station 34+34.82 Ground Surface Elev. 415.20 ft Tube Length 24 in

Offset 86.78ft Right Begin Sampling Depth -0.5 ft Tube Diameter 3 in

SOIL TYPE, DESCRIPTION AND OBSERVATIONS

SOIL TYPE, DESCRIPTION AND OBSERVATIONS	DEPTH (ft)	S P E C I M E N (no)	R E C O V E R Y (%)	UNIT (pcf)	S T R E N G T H (tsf)	M O I S T U R E (%)	C O H E S I O N (tsf)	P H I A N G (deg)	T R I A X I A L DATA
Black, SILTY CLAY, with porcelain and brick fragments (FILL)	1-1	100	100	103	0.9	31			Uc
Black, SILTY CLAY, with porcelain and brick fragments (FILL)	1-2	100	100						
Black, SILTY CLAY, with porcelain and brick fragments (FILL)	1-3	50	50						
Black, CLAY LOAM, with glass and brick fragments (FILL)	2-1	100	100						
Black, CLAY LOAM, with glass and brick fragments (FILL)	2-2	100	100						
Black, CLAY, with wood and coal fragments, trace gravel (FILL)	3-1	100	100						
Black, CLAY, with wood and coal fragments, trace gravel (FILL)	3-2	100	100	98		41			
Black, CLAY, with wood and coal fragments, trace gravel (FILL)	4-1	100	100						
Black, CLAY, with wood and coal fragments, trace gravel (FILL)	4-2	100	100						
Black, CLAY, with wood and coal fragments, trace gravel (FILL)	4-3	67	67						
Brown, SILTY LOAM	5-1	100	100						
Brown, SILTY LOAM	5-2	100	100						
Brown, SILTY LOAM	5-3	100	100	104		37	0.1	34	CU
Brown, SILTY LOAM	5-4	100	100						

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 (AASHTO T 208)
 The "Test Type" indicates if Unconsolidated Undrained (UU) or Consolidated Undrained (CU) test procedures (AASHTO T 296 or T 297) were used

BMPR FORM 1004A (Rev. 8-99)

FILE NAME = DBTRI-76C52-sht-truss-details-SOIL_BORING.dgn

USER NAME = mmoconachie
 PLOT SCALE = 3.1676 "/ in.
 PLOT DATE = 1/19/2012

DESIGNED - AECOM
 DRAWN - PMK
 CHECKED - MPW
 DATE - 1-20-12

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING

SCALE: NA SHEET NO. 4 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	436
*64/998/70			CONTRACT NO. 76C52	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		