

SHELBY TUBE TEST: B-3C ST (1 of 1)

BORING LOG: B-7 (1 of 3)



SHELBY TUBE TEST RESULTS

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Date 6/26/01

ROUTE: FAP 998 DESCRIPTION: Trilevel Interchange DRILLED BY: TR

SECTION: 82-1 LOCATION: East St. Louis, IL, SEC. 12, TWP. 2N, RNG. 9W

COUNTY: St. Clair STRUCT. NO.: 082-0322 / 082-0324 Station: NA

BORING NO.: B-3C ST Station: 52+98.8 Ground Surface Elev.: 417.6 ft Tube Length: 24 in Offset: 17ft Left Begin Sampling Depth: 0 ft Tube Diameter: 3 in

SOIL TYPE, DESCRIPTION AND OBSERVATIONS	TRIAxIAL DATA							TEST TYPE
	DEPTH (ft)	(no)	(%)	(pcf)	(tsf)	(%)	(tsf)	
Topsoil (FILL)								
Brown, SILTY CLAY to CLAY	1-1	100						
Brown SILT (disturbed)	1-2	100						
Brown SILT, 2" of brown, SILTY CLAY at bottom (disturbed)	1-3	100						
Brown, SILTY CLAY (disturbed)	1-4	67	114	2.0	26			Qu
Brown, SILTY CLAY	2-1	100	120		25			Con
Brown CLAY to brown SAND, trace silt	2-2	100	116		23	0.0	28.8	CU
Brown CLAY to brown SAND, trace silt	2-3	100						
Brown, SANDY LOAM	3-1	100						
	3-2	100						
	3-3	67						
	4-1	50						
Brown, SANDY LOAM	5-1	100						
Brown SANDY LOAM	5-2	100						
Brown SANDY LOAM	5-3	100						
Brown LOAM	5-4	100	118		31			Con
Brown, FINE GRAINED SAND	5-1	100			24			
	6-2	100						
	6-3	100						
	6-4	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)



SOIL BORING LOG

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Date 6/11/01

ROUTE: FAP 998 DESCRIPTION: Trilevel Interchange LOGGED BY: BEC

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

COUNTY: St. Clair DRILLING METHOD: Hollow Stem Auger and Mud Rotary HAMMER TYPE: Automatic Hammer

STRUCT. NO. Station	BORING NO. Station Offset	Ground Surface Elev.	D (ft)	B (/6")	U (tsf)	M (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After ** Hrs.	D (ft)	B (/6")	U (tsf)	M (%)
082-0370 NA	B-7 79+35 9.00ft Right	384.00					Unknown	Unknown	**	**	**					
Asphalt with gravel/crushed limestone (fill) - 12 inches 383.00																
FINE GRAINED SAND with gravel/crushed limestone and asphalt (FILL)																
Brown, SILTY LOAM 381.00																
Very loose, brown, MEDIUM GRAINED SAND with some COARSE GRAINED SAND Start Mud Rotary @ 6'																
Loose, orange, MEDIUM GRAINED SAND with COARSE GRAINED SAND 373.50																
Loose, brown, FINE GRAINED SAND 369.50																
Medium dense, gray, FINE GRAINED SAND 366.00																
Medium dense, gray, FINE GRAINED SAND (continued) 346.00																

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)



USER NAME =	DESIGNED - PJL	REVISED -
PLOT SCALE = 0.2" = 1' / IN.	DRAWN - BRD	REVISED -
PLOT DATE = 6/27/2001	CHECKED - DDB	REVISED -
	DATE - 07-01-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS V
I-70E OVER I-55, CSX & KCS RAILROADS

SCALE: SHEET S-194 OF S-234 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-2	ST. CLAIR	399	321
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		