

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SHELBY TUBE TEST RESULTS

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Date 3/31/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange DRILLED BY BS

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

COUNTY St. Clair STRUCT. NO. 082-0326

BORING NO. B-423ST

Station 16+26.06 Ground Surface Elev. 419.7 ft Tube Length 30 in

Offset 23ft RT Begin Sampling Depth 0 ft Tube Diameter 3 in

SOIL TYPE, DESCRIPTION AND OBSERVATIONS	DEPTH (ft)	S P E C I M E N T H	R E C O R D E D	UNIT	S T R E N G T H (tsf)	M O I S T U R E (%)	T R I A X I A L D A T A		T E S T T Y P E
							(pcf)	(deg)	
Brown gray, SILTY LOAM, with fine grained sand, with trace cinders, glass, wood, and roots	1-1			100				23	
Brown gray, SILTY LOAM, with fine grained sand, with trace cinders, glass, wood, and roots	1-2			100				23	
Brown gray, SILTY LOAM, with fine grained sand, with trace cinders, glass, wood, and roots	1-3			100				23	
Brown, FINE GRAINED SAND, with cinders	1-4			67				23	
Gray, SANDY LOAM, with brown fine grained sand, trace cinders, and wood fragments	2-1			100	106	0.5		24	Uc
Brown and gray, SILTY CLAY, trace fine sand and cinders	2-2			100	103	0.6		30	Uc
Brown and gray, SILTY CLAY, trace fine sand and cinders	2-3			100				30	
Gray, SILTY LOAM, trace brown sandy loam, trace cinders	3-1			100				30	
Gray, SILTY LOAM, trace brown fine grained sand	3-2			100	106	0.4		21	Uc
Gray, SILTY LOAM, trace brown fine grained sand	3-3			67				21	
Gray, CLAY, trace fine grained sand	4-1			100	115	0.8		26	Uc
Gray, CLAY	4-2			100	119	1.4		29	Uc
Gray, CLAY	4-3			67				26	
Brown gray, SILTY CLAY, trace sand, and iron staining	5-1			100	118	1.2		26	UU
Brown gray, SILTY CLAY, trace sand, and iron staining	5-2			100				26	
Brown, SANDY LOAM	5-3			67	118			28	Consol
Gray brown, SILTY SAND	6-1			100				16	
Gray brown, SILTY SAND	6-2			100				11	
Gray brown, SILTY SAND	6-3			67				13	
Brown, SILTY SAND	7-1			100				12	
Brown, SILTY SAND	7-2			100	93			14	

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)

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							(pcf)	(deg)	
Brown, SILTY SAND	7-3			100	93			9	
Brown, SILTY SAND	7-4			33	93			14	
Brown, SANDY LOAM	8-1			100				13	
Brown, SANDY LOAM	8-2			100				14	
Brown, SANDY LOAM	8-3			100	96			14	
Gray brown, SILTY SAND	9-1			100	110			28	
Gray brown, SILTY SAND	9-2			100				19	
Gray brown, SILTY SAND	9-3			100				22	
Gray, CLAY, with silt	10-1			100	113	1.3		32	UU
Gray, CLAY, with silt	10-2			100	109			32	
Brown, FINE GRAINED SAND	10-3			100				7	

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BMPR FORM 1004A (Rev. 8-99)

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AECOM

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DESIGNED - P.JL
CHECKED - DDB
DRAWN - BRD
CHECKED - DDB

03/31/2011

BORING LOGS - VI
STRUCTURE NO. 082-0326

SHEET NO. S34	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	64	82-1-3HB, 82-2N, 82-1-12RS	ST. CLAIR	352	236
S36 SHEETS	F.A.U. 9166 / F.A.U. 9180		CONTRACT NO. 76C51		
	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			