



Illinois Department of Transportation

Division of Highways
ACME Consultants

SHELBY TUBE TEST RESULTS

Date 8/22/99

ROUTE XYZ-99 DESCRIPTION Shepardson Exp. Reconstruction, from State St. To Capital Way DRILLED BY AAAAA Drilling

SECTION 999-1234.2, 999-1243.3 to 999-1243.6 LOCATION NW CORNER, NW 1/4, NW 1/4, SEC. 9, TWP. 123N, RNG. 5E, 3rd PM

COUNTY Cook STRUCT. NO. 012-2298-543 Lab Proj. No. 12345

JOB NO. 1234-ABCD Station 1842+10 Prepared By I. Core Checked By Y. Me

BORING NO. 4 E. ABUT Ground Surface Elev. 987.60 ft Tube

Station 1843+40 E.B. Groundwater Elev. 975.6 ft Sampled Length 30 in

Offset 20.00ft L of EB cL Begin Sampling Depth -6.00 ft O.D./I.D. 3/2.75 in

SOIL TYPE, DESCRIPTION AND OBSERVATIONS	DEPTH (ft)	SPECIMEN No.	WET UNIT WEIGHT (pcf)	MOISTURE (%)	UCS Qu (tsf)	RECOVERY (%)	TRIAxIAL DATA				
							COHESION		PHI ANGLE		TEST TYPE
							total (tsf)	effective (tsf)	total (deg)	effective (deg)	
Dark Gray SiL W/ Loam Pockets	6.50	95-1				100	0.4	22	0.2	25	CU
Dark Gray SiL W/ Loam Pockets	7.00	95-2				100	0.4	22	0.2	25	CU
Dark Gray SiL W/ Loam Pockets	7.50	95-3				100	0.4	22	0.2	25	CU
Dark Gray SiL W/ Loam Pockets	8.00	95-4				100	0.4	22	0.2	25	CU
Dark Gray SiL W/ Loam Pockets	8.50	95-5		29.0		100	0.4	22	0.2	25	CU
Dark Gray SiL W/ Loam Pockets	9.00	96-1				95	0.4	22	0.2	25	CU
Dark Gray SiL W/ Loam Pockets	9.50	96-2				95	0.4	22	0.2	25	CU
Dark Gray SiL W/ Loam Pockets	10.00	96-3				95	0.4	22	0.2	25	CU
Dark Gray SiL W/ Loam Pockets	10.50	96-4				95	0.4	22	0.2	25	CU
Dark Gray SiL W/ Loam Pockets	11.50	97-1	128.5	20.5		76	0.4	22	0.2	25	CU
Gray SiL W/ Loam Pockets, Top 1/2, to Gray Loam W/ Sa Pockets	12.00	97-2			1.5 B	76					
Dark Gray SiL W/ Loam Pockets	12.50	97-3				76	0.5	21	0.3	25	UU

UCS - Unconfined Compressive Strength (AASHTO T 208), failure Mode is indicated by (B-Bulge, S-Shear)
 UU - Unconsolidated Undrained, CU - Consolidated Undrained test procedures (AASHTO T 296 or T 297)