

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3578	1327B	COOK	108	85
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

SHELBY TUBE TEST DATA

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Prepared by Kurt Schmuck Checked by _____

COUNTY Cook STATION 1509+43 BORING ST-2 LAB PROJ. NO. 05015
 ROUTE FAU-3578 SECTION 1327 B OFFSET 8 ft. Rt. JOB NO. _____
 STRUCTURE NO. 016-2847 DATE 7/19/2005 GROUND SURFACE ELEVATION 681.77

Specimen Number	Depth (ft)	Q _u (tsf)	Moisture (%)	Wet Unit Wt. (pcf)	Triaxial Data				Description
					c (psf)	Φ (°)	c' (psf)	Φ' (°)	
	0.00								0 to 7.5 feet not sampled
	↓								↓
	↓								↓
	7.50								↓
1-1	8.00	0.59	27.8	121.2					Gray-brown SiC w/ Silt pockets & lenses
1-2	8.62	0.50	24.5	124.4					Same
1-3	9.25								No Recovery
1-4	9.50								↓
2-1	10.00	UUTx	28.9	124.3	440	0.4	420	4.5	Lt. gray SiC w/ Silt pockets & lenses – water bearing pockets
2-2	10.62	CONS	26.8	125.2					Lt. gray SiC w/ Silt & Clay pockets – water bearing pockets
2-3	11.25	0.59	29.2	118.7					Same, top ¼, to black SiC
2-4	11.50								No Recovery
3-1	12.12	0.53	45.8	107.0					Black SiC w/ organic SiL pockets
3-2	12.75	UUTx	68.1	93.9	840	1.8	450	25.8	Black SiC w/ large organic SiL pockets
3-3	13.38	CONS	56.4	99.2					Black SiC – somewhat crumbly
3-4	13.50								No Recovery
4-1	14.12	0.21	52.1	103.4					Dark gray SiC w/ SiL pockets – crumbly – slickensided area
4-2	14.75	CONS	53.9	102.9					Dark gray SiC w/ black SiL pockets – secondary structure
4-3	15.38	UUTx	77.6	92.6	460	0.0	460	0.0	Dark gray & black SiC – somewhat crumbly – peat pockets lower ½
4-4	15.50								No Recovery
5-1	16.12	0.29	84.3	92.1					Dark gray, organic SiCL w/ peaty pockets
5-2	16.75	0.55	93.5	89.2					Dark gray, organic SiC w/ peaty pockets
5-3	17.38	UUTx	204.5	74.2	880	0.0	880	0.0	Tan organic Silt – very peaty & fibrous
5-4	17.50								No Recovery

Revised 12/2/03

Soil1004A

SHELBY TUBE TEST DATA

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					c (psf)	Φ (°)	c' (psf)	Φ' (°)	
6-1	18.12	CONS	82.1	91.7					Lt. brown organic SiL w/ peaty pockets – fibrous
6-2	18.75	CONS	95.2	88.4					Greenish-gray organic SiCL w/ isolated peat pockets – lower ¼ peaty
6-3	19.38								No Recovery
6-4	19.50								↓
7-1	20.12	1.21	139.0	80.8					Greenish – gray organic SiL
7-2	20.75	UUTx	85.0	91.6	1040	0.0	1040	0.0	Same
7-3	21.38	CONS	68.2	97.6					Same
7-4	21.50								No Recovery
8-1	22.12	UUTx	44.7	108.9	640	0.0	640	0.0	Gray fine sand, to gray SiC, to gray SiC w/ SiL pockets & wood chips
8-2	22.75	CONS	59.6	99.1					Gray organic SiC w/ small woodchips top ¼
8-3	23.38	0.69	34.4	116.1					Gray SiC w/ SiL pockets
8-4	23.50								No Recovery
9-1	24.12	0.07	51.5	114.3					Gray SiC w/ large SaL pockets & lenses
9-2	24.75	0.63	27.5	124.2					Gray SiL w/ SiC lenses
9-3	25.38	0.79	21.9	129.5					Gray Clayey SiL w/ small stones
9-4	25.50								No Recovery

Revised 12/2/03

Soil1004A

DESIGNED	-
CHECKED	-
DRAWN	MD
CHECKED	SRT

 **Bollinger, Lach & Associates, Inc.**

SOIL BORING LOG ST-2
NORTHWEST RETAINING WALL
IL. 7 (Southwest Highway)
F.A.U. ROUTE 3578 SECTION 1327B
COOK COUNTY
STA. 1505+40.00 to STA. 1515+78.21
STRUCTURE NUMBER 016-W970