

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15VB-1-R	COOK	243	206
STA. 4+655.229		TO STA. 4+777.600		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS		BORING LOG		BORING NO: B-15				
JOB NO: 9737 CLIENT: CHRISTIAN-ROGE & ASSOCIATES, INC.		PROJECT: FAU 3578 (Southwest Highway) over B & O CT RR and Stony Creek		STATION: 4+761				
LOCATION: Cook County, Illinois		BORING RIG & METHOD: Mobile B-57 w/Hollow Stem Augers		OFFSET: 8.6m Lt				
		SURF ELEV: 179.80						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOW/150mm	q _u kPa	STRAIN %	WATER CONTENT %
FILL: Dark Br to Br Clay A-8; Organic matter & concrete rubble noted	178.97		0.00-0.30 0.30-0.76	Auger 356	1-1	28	16	10
			1.07-1.52	381	1-1	29	15	18
Bottom of Pier 15 Elev. 178.00 Soft to Very Soft Br & Gr Silt A-6		2	1.59-2.29	408	2-2	28	15	25
			2.59-3.05	278	2-1	19	15	26
	176.39							
Br Fibrous Peat; Shells & Marl seams noted	175.84	4	3.35-3.81	457	3-2			255
			4.11-4.57	457	1-1	10	15	141
Very Soft Gr Organic Clay A-7-8 and Marl; Shells noted	175.88							
			4.88-5.33	381	10-9			17
Medium Dense Gr Silt A-4	174.07							
		6	5.64-6.10	457	14-18	440	15	18
Hard Gr Silt A-4; Silt lenses noted								
	172.61							
			7.16-7.62	457	20-19			16
Dense Gr Silt A-4	172.03							
		8	7.92-8.38	254	8-12			7
Medium Dense Gr Sand A-1-b	171.33							
Very hard drilling from 8.5m to 9.3m								
Very Dense Gr Sand A-1-a; Cobbles noted	170.47							
			8.89-9.14	278	34-42			9
	170.47							
		10	9.45-9.91	381	38-46			16
Extremely Dense Gr Silt A-4								
	169.13							
			10.21-10.67					18
Boring terminated at 10.7m								
REMARKS								
* Denotes Calibrated Penetrometer Estimate								
WATER 5.6 m ELEV. 174.31 DURING DRILLING								
WATER m ELEV. AT COMPLETION								
WATER 9.6 m ELEV. 170.17 AFTER 1/4 HRS.								
CORE SIZE mm DATE: OCT 16 07								
CASING LENGTH m DRILLER: Roessel								
CASING DIAMETER mm INSPECTOR: Mauter								

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS		BORING LOG		BORING NO: B-16				
JOB NO: 9737 CLIENT: CHRISTIAN-ROGE & ASSOCIATES, INC.		PROJECT: FAU 3578 (Southwest Highway) over B & O CT RR and Stony Creek		STATION: 4+778				
LOCATION: Cook County, Illinois		BORING RIG & METHOD: Mobile B-57 w/Hollow Stem Augers		OFFSET: 13.2m Rt				
		SURF ELEV: 180.66						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOW/150mm	q _u kPa	STRAIN %	WATER CONTENT %
FILL: Dark Br to Br Clay A-8; Organic matter noted			0.00-0.30 0.30-0.76	Auger 102	7 12-7			7
			1.07-1.52	356	3-4	87	15	18
	178.88							
		2	1.53-2.29	457	1-2	87	15	23
Medium Stiff Br & Gr Silt A-6(8); Silt lenses noted								
			2.59-3.05	457	1-1	57	15	26
	177.25							
		4	3.35-3.81	457	1-1	18	15	80
Very Soft Br Organic Clay A-7-8; Shells, Peat seams & Marl seams noted								
	175.84							
			4.11-4.57	381	1/457	10	15	182
Medium Dense Gr Silty Loam A-4								
	175.17							
		6	5.64-6.10	356	6-9			23
			6.40-6.86	457	8-11			21
	172.61							
			7.16-7.62	381	7-9			22
Medium Dense Gr Silt A-4								
		8	7.92-8.38	457	7-8			22
	171.46							
			8.89-9.14	254	8-8			17
	170.80							
Medium Dense Gr Sand A-1-a; Cobbles noted								
		10	9.45-9.91	356	8-8			6
	169.63							
Hard Gr Silt A-4(8)								
			10.21-10.67	457	14-28	393	15	16
	168.23							
Extremely Dense Gr Silt A-4								
			10.67-11.43	457	33-58			18
Very hard drilling below 11.4m								
			11.73-12.01	254	76	100/127		7
Extremely Dense Gr Sand A-1-a; numerous Cobbles noted		12						
	167.89							
			12.50-12.77	229	64	100/127		5
Boring terminated at 12.8m								
REMARKS								
* Denotes Calibrated Penetrometer Estimate								
WATER 6.6 m ELEV. 175.17 DURING DRILLING								
WATER m ELEV. AT COMPLETION								
WATER 6.9 m ELEV. 173.80 AFTER 24 HRS.								
CORE SIZE mm DATE: OCT 15 07								
CASING LENGTH m DRILLER: Roessel								
CASING DIAMETER mm INSPECTOR: Mauter								

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS

SOUTHWEST HIGHWAY OVER
B. & O.C.T. RAILROAD AND MELVINA DITCH
F.A.U. ROUTE 3578 SEC. 15VB-1-R
COOK COUNTY STATION 4+716.471
STRUCTURE NO. 016-0463

SCALE: DATE: 6/17/09
DRAWN BY: F. MUNIR
CHECKED BY: B. SHAH

CHRISTIAN - ROGE & ASSOC.
CHICAGO ILLINOIS

REVISIONS	
NAME	DATE

FOR INFORMATION ONLY