F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	209
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62388

Patrick Engineering, Inc.
STRUCTURE BORING LOG

Page 1 of 1
Date 8/4/05

ROUTE FAU 3578 DESCRIPTION Southwest Highway Bridge over B&O Railroad

SECT. 15VB-1-R-1 STRUCT. NO. 016-2771 DRILLED BY Groff Testing Corp.

COUNTY Cook LOCATION Chicago Ridge, IL S. 7 , TWP. 37N , RNG. 13E

Boring No. RW-7
Station 4+939
Offset 15.24m R
Surface Elev. 182.12 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 175.5
at Completion 178.5
after ____ Hrs. NA

Description	Elev.	Depth	Blows	Qu kPa	W %
27.94 cm topsoil	182.09				16
Brown silty clay loam fill, trace coarse to fine sand, dry			15 15 8	P	9
Disturbed sample					
Disturbed sample		-1.5	3 7 4	216 P	15
Brown and gray silty clay, stiff, moist	180.47				
			2 2 2	111 B	22
		-3.0	2 2 2	87 B	25
			1 1 1	63 B	33
Gardes to soft		-4.5	0 0 1	32 B	31
			W O H	24 B	33
Dark brown peat with shells, moist	176.72				
		-6.0	2 2 3	167 B	147
Gray sand and gravel with cobbles, very dense, saturated	175.58				
		-7.5	23 50 20	NP	9
Gray silt, medium dense, saturated	174.08				
Gray gravelly sand with cobbles, medium dense, saturated	172.58				
Gray sandy gravel with cobbles and boulders, very dense, saturated	171.08				
End of Boring at 13.56 m	168.77				

Depth	Blows	Qu kPa	W %
-9.0	24 9 6	NP	26
-10.5	5 9 15	NP	8
-12.0	95 33 38	NP	6
-13.5	95 50/3"	NP	8
-15.0			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Meters

PATRICK ENGINEERING INC.
LISLE, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING LOG
SOUTHWEST HIGHWAY OVER
B&O RAILROAD AND STONY CREEK
FAU 3578 SECTION 15V B-1-R-1
STRUCTURE NUMBER 016-2771
COOK COUNTY STATION 4+716.497

SCALE: NONE DRAWN BY: M. Tryon
DATE: 6/17/09 CHECKED BY: A. Yargiooglu

tkoepper(Rdwy_Lisle) 6/26/2009 8:19:54 AM Q:\IDOT\9556.AO\Drawings\STRUCT\Retaining Wall\03_SoilBoring.dgn