F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	164
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62388

Patrick Engineering, Inc.
STRUCTURE BORING LOG

Page 1 of 2
Date 7/19/04

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-5
Station 4+884
Offset 11.30m R
Surface Elev. 181.20 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 175.4
at Completion
after ___ Hrs.

Description	Elev.	Depth	Blows	Qu kPa	W %
Asphalt	181.11				
Black and brown sandy gravel fill, loose			2 2 3	NP	12
Black and gray silty clay, soft	180.00	-1.5	3 3 3	43 S	32
Brown and gray clay loam, soft to medium stiff	179.25	-3.0	1 2 1	24 B	21
			0 1 1	24 P	26
		-4.5	1 1 1	63 B	31
			0 1 1	55 B	35
Brown peat, stiff	176.55	-6.0	2 2 2	125 B	41 180
Gray organic clay loam with shells, soft	176.10		1 1 3	NP	31
Gray coarse sand, loose	175.35	-7.5	3 6 5	NP	16
Gray sandy loam, medium dense	174.75		32 8 8	NP	20
Gray coarse sand, medium dense	171.90	-9.0	5 5 6	NP	37
			2 4 4	NP	25
Gray sandy loam, medium dense	170.85	-10.5	6 8 11	NP	20
Gray gravelly sand with occasional cobbles and boulders, dense	170.10	-12.0	36 29 32	NP	5
		-13.5	23 15 10	NP	8
			50 100/6"	NP	13
Gray silt, extremely dense, wet	167.10	-15.0	54 100/6"	555 B	15

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.
STRUCTURE BORING LOG

Page 2 of 2
Date 7/19/04

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.

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Boring No. RW-5
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Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 175.4
at Completion
after ___ Hrs.

Description	Elev.	Depth	Blows	Qu kPa	W %
Gray silt, extremely dense, wet			58 58 50	NP	17
Gray sandy gravel with cobbles and boulders, extemely dense, saturated	164.52	-16.5	47 51	NP	8
End of Boring at 18.14 m	163.35	-18.0			
		-19.5			
		-21.0			
		-22.5			
		-24.0			
		-25.5			
		-27.0			
		-28.5			
		-30.0			

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING LOGS - III
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

PATRICK ENGINEERING INC.
LISLE, ILLINOIS

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