F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	165
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-6
Station 4+904
Offset 9.82m R
Surface Elev. 181.20 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 175.4
at Completion 173.4
after ____ Hrs. ____

Description	Elev.	Depth	Blows	Qu kPa	W %
Asphalt	181.10				
Black and brown sand and gravel fill, loose			4 3 6	NP	10
Brown and gray silty clay, stiff	180.08		3 3 4	133 P	14
Gray clay loam with shell fragments, stiff to medium stiff	179.85	-1.5			
			2 2 2	118 B	8
		-3.0	1 2 2	75 B	14
			0 0 0	55 B	37
		-4.5	0 0 0	63 B	35
			0 0 0	39 B	32
Brown peat, medium stiff	175.80				
Dark gray organic silt with shells, very stiff	175.35	-6.0	0 2 2	NP	242
			2 2 4	243 S	168
Gray silt, medium dense	173.85	-7.5	7 8 8	NP	21
Gray fine sand, loose	173.40		1 4 5	NP	30
Gray silt, loose	172.80		4 3 4	NP	33
		-9.0			
Gray coarse sand with gravel, medium dense	171.60				
			5 7 11	NP	12
		-10.5			
			18 20 16	NP	18
		-12.0			
Gray sandy gravel with occasional cobbles and boulders, very dense	168.75				
			60/5"	NP	6
		-13.5			
Dark gray silt, hard, dry	167.10				
			38 43 50/2"	713 S	15
		-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.
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.

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

Boring No. RW-6
Station 4+904
Offset 9.82m R
Surface Elev. 181.20 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 175.4
at Completion 173.4
after ____ Hrs. ____

Description	Elev.	Depth	Blows	Qu kPa	W %
Dark gray silt, hard, dry					
			50 57 50/5"	NP	14
		-16.5			
			68 100/4"	NP	7
		-18.0			
Gray sandy gravel with cobbles, extremely dense, saturated	163.05		100/4"	NP	11
End of Boring at 19.05 m	162.45				
RW-6A drilled on 8/4/05					
		-19.5			
		-21.0			
		-22.5			

Elev.	Depth
	-24.0
	-25.5
	-27.0
	-28.5
151.43	-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 - IV
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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