F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	167
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 7/30/04

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. B-3
Station 4+575
Offset 8.81m L
Surface Elev. 177.81 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 177.4
at Completion 177.5
after 24 Hrs. 177.5

Description	Elev.	Depth	Blows	Qu kPa	W %
Boulders at surface					
Gray sandy loam with peat, loose, moist			1 2 2	NP	34
Gray loam to silty loam, very loose, wet	176.91				
		-1.5	1 1 1	NP	29
No sample recovery	175.71		4 3 3	NP	--
Gray medium to coarse grained sand, trace gravel, loose, saturated		-3.0	3 3 4	NP	21
			2 3 3	NP	24
		-4.5	3 3 4	NP	17
			3 10 18	NP	17
Gray silt, medium dense, wet	172.41				
		-6.0	6 9 13	NP	21
			3 9 17	NP	19
Gray sand and gravel with occasional cobbles and boulders, medium dense	171.06				
		-7.5	7 16 20	NP	10
Grades to sandy gravel					
	169.71		18 19 20	NP	13
Gray sandy gravel, very dense					
		-9.0	21 33 50/4	NP	7
Rough drilling					
Auger refusal at 9.75 m			57 100/5"	NP	8
End of Boring at 10.05 m	167.91				
		-10.5			
		-12.0			
		-13.5			
		-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 1 of 1
Date 7/29/04

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. B-4
Station 4+608
Offset 9.66m R
Surface Elev. 179.22 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 176.5
at Completion 175.0
after 24 Hrs. 177.1

Description	Elev.	Depth	Blows	Qu kPa	W %
Brown silty clay fill					
Brown loam, loose	178.77		2 2 3	96 E	17
Gray silty clay loam, trace organics, soft	178.02	-1.5	1 1 2	39 B	39
			0 0 1	39 B	28
Dark gray sandy loam, loose, wet	176.82				
		-3.0	1 1 2	NP	33
Dark gray fine sand to sandy loam, very loose, wet	176.07				
			0 0 0	NP	25
		-4.5	0 1 2	NP	27
Gray silt, medium dense, moist	174.27				
		-6.0	6 6 9	NP	21
			8 10 8	NP	71
			5 10 9	NP	21
		-7.5	7 8 8	NP	20
Brown silty clay fill					
			6 8 8	NP	15
Gray medium sand, medium dense, wet	170.82				
Gray gravelly silty loam, medium dense, wet	170.37	-9.0	7 11 11	NP	11
Gray silt, medium dense, wet	169.62				
		-10.5	9 10 9	NP	21
Rough drilling					
Gray gravel with occasional cobbles and boulders, dense, saturated	168.12				
		-12.0	23 19 25	NP	7
End of Boring at 12.80 m	166.62				
		-13.5			
		-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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING LOGS - VI
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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