F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	163
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 7/27/04

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-3
Station 4+893
Offset 8.81m
Surface Elev. 180.08 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 178.1
at Completion 177.7
after 24 Hrs.
WCI

Description	Elev.	Depth	Blows	Qu kPa	W %
Black silty clay loam topsoil, soft	179.78				
Black and brown clay loam, soft			0 0 1	28 B	8
	179.18				
Gray organic silty clay loam, medium stiff, wet		-1.5	1 1 1	71 B	33
	178.28				
Gray silty loam to silty clay loam, very loose	177.98		0 0 0	-1 P	27
Gray silty loam to silty clay loam, soft		-3.0	0 0 0	-1 P	31
Grades with shells and organics	176.93				
Gray organic silty clay loam, very soft		-4.5	0 0 0	-1 P	152
			0 0 0	-1 P	21
Gray silty loam, very soft	174.83		0 0 1	-1 P	25
Gray organic silty loam with shells, soft		-6.0	0 1 2	110 S	200
			1 2 4	NP	96
Gray gravelly silt, medium dense, wet	172.88	-7.5	5 6 8	NP	6
Gray silt with interbedded sand lenses, medium dense	172.43		6 5 4	NP	16
Gray fine sand, very dense	171.68	-9.0	18 24 36	NP	15
Gray gravelly silt with occasional boulders and cobbles, dense, wet	169.88	-10.5	7 19 42	NP	19
		-12.0	13 20 20	NP	12
End of Boring at 12.07 m	168.08				

RW-3A drilled 8/3/05. Auger and sampler refusal at 12.07 m

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 7/19/04

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-4
Station 4+853
Offset 11.60m R
Surface Elev. 181.13 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 175.4
at Completion 176.9
after Hrs.
WCI @ 7.3m

Description	Elev.	Depth	Blows	Qu kPa	W %
Asphalt	181.06				
Black and brown sandy gravel fill, medium dense			18 12 12	NP	25
	179.93				
Brown and gray silty clay, medium stiff to stiff		-1.5	4 5 5	71 S	22
Grades to black					
	179.18				
Gray clay loam, medium stiff to stiff, moist			2 2 2	118 S	21
		-3.0	2 1 2	79 B	28
			0 1 1	58 B	31
	177.23				
Gray organic silty clay to silty clay loam with shells, medium stiff		-4.5	0 1 2	63 B	164
Gray silty clay, medium stiff			0 1 2	79 S	20
	175.43	-6.0	7 37 11	NP	20
Gray coarse sand, dense, saturated					
	174.98				
Gray sandy loam, medium dense			8 10 11	NP	14
	173.63	-7.5	27 16 14	NP	10
Gray fine sand, loose to medium dense			5 7 7	NP	29
		-9.0	1 3 4	NP	32
Boring RW-4A re-drilled on 8/4/05					
Hard drilling at 10.06 m	171.23				
		-10.5	4 4 4	NP	16
Gray coarse sand with occasional cobbles and boulders, loose					
	169.28	-12.0	23 40 50/4"	NP	19
Gray silt, trace gravel, very dense					
	168.23				
Gray sandy gravel with cobbles and boulders, very dense to extremely dense, saturated		-13.5	17 50 25	NP	15
Auger refusal at 15.09 m					
	166.28	-15.0	00/3.5"	NP	6
End of Boring at 15.09 m					

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 - II
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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