F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	168
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 7/29/04

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-5
Station 4+624
Offset 9.41m L
Surface Elev. 179.68 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 175.0
at Completion 178.2
after 24 Hrs. 177.3

DEPTH	BLOWS	Qu kPa	W %
Brown silty clay fill, trace gravel, stiff, moist	5 5 5	168 P	16
178.48			
Brown clay loam to loam, trace gravel, loose, moist	5 5 4	NP	12
-1.5			
177.88			
Brown and gray silty clay, stiff, moist	1 1 2	96 P	22 137
177.58			
Black organic silty clay loam, soft, moist			
177.28			
Dark brown peat, loose	1 1 2	24 P	375
-3.0			
	0 1 2	NP	--
175.78			
Gray clay, soft	0 1 1	24 B	50
Sand lens at 4.42 m			
-4.5			
175.03			
Brown clay loam, occasional shell fragments, very soft, wet	0 0 2	24 P	23
174.28			
Brown sand to sandy loam, very loose	0 0 2	NP	21
-6.0			
173.08	5 4 7	NP	18
Gray silt with occasional sand lenses, medium dense, wet			
172.18 -7.5	7 8 8	NP	20

DEPTH	BLOWS	Qu kPa	W %
Gray silt with occasional sand lenses, medium dense, wet	7 11 11	NP	16
-9.0	6 9 9	NP	16
-10.5	5 9 9	NP	14
168.28			
Gray gravel, dense, saturated	29 21 16	NP	15
-12.0			
Rough drilling			
166.63			
Gray medium sand, dense, saturated	17 17 17	NP	21
-13.5			
Gray sand and gravel, dense	4 25 50/4"	NP	5
Auger refusal at 15.18 m 164.83			
End of Boring at 15.18 m 164.74 -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 7/28/04

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-6
Station 4+649
Offset 11.59m R
Surface Elev. 179.73 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 175.6
at Completion 177.9
after 24 Hrs. 177.6

DEPTH	BLOWS	Qu kPa	W %
Brown to brown and black sandy loam fill, loose, moist	3 3 3	NP	21
-1.5	1 1 2	NP	33
177.93			
Black peat, medium stiff	1 2 1	72 P	360
177.03			
Black peat with shells, very soft to loose	0 1 1	39 B	145
-3.0			
176.28	6 1 1	15 B	51
Gray clay, very soft, wet			
175.53	1 4 2	NP	25
Gray fine to medium sand with interbeds of sandy clay, wet 175.29			
-4.5			
Gray silt, medium dense, wet	5 9 10	NP	18
	5 10 11	NP	21
-6.0			
	7 14 16	NP	16
-7.5	5 9 11	NP	16

DEPTH	BLOWS	Qu kPa	W %
171.63			
Gray gravelly silt, medium dense, wet	8 15 14	NP	13
171.03			
Gray silt, medium dense, wet	7 8 8	NP	12
-9.0			
-10.5	6 9 8	NP	18
168.93			
Gray sand and gravel with occasional cobble and boulders Hard drilling	6 25 50/5	NP	6
-12.0			
Auger refusal at 12.65 m 167.28			
Cobbles and boulders			
Rock Core NX-1 Recovery=40% RQD=13%			
-13.5			
165.63			
Rock Core NX-2 Recovery=28% RQD=0%			
End of Boring at 15.39 m 165.03			
-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 - VII
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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