F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	169
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 7/20/04

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-7
Station 4+794
Offset 9.80m L
Surface Elev. 181.15 m

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

Description	Elev.	DEPTH	BLOWS	Qu kPa	W %
Brown and black sand and gravel fill, loose					
	180.62		2 3 3	96 P	18
Dark brown silty clay topsoil, stiff	180.25				
Brown clay, medium stiff			2 2 2	51 B	17
		-1.5			
	179.50				
Gray silty clay, medium stiff			0 1 1	94 B	22
			0 1 1	63 B	25
		-3.0			
			0 0 1	58 B	32
	177.25				
Dark gray organic clay with shells, stiff, wet			0 1 1	133 S	147
		-4.5			
	176.50				
Gray loam, loose, wet			1 4 4	NP	23
	175.75				
Gray sandy gravel, very dense, wet			47 48 61	NP	19
		-6.0			
			54 26 24	NP	7
		-7.5			

Description	Elev.	DEPTH	BLOWS	Qu kPa	W %
Gray sandy gravel, very dense			98 67	NP	--
	173.05				
End of Boring at 8.23 m					
		-9.0			
		-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 7/19/04

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. B-8
Station 4+813
Offset 11.70m L
Surface Elev. 181.00 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 175.4
at Completion 175.9
after Hrs. WCI @ 6.5m

Description	Elev.	DEPTH	BLOWS	Qu kPa	W %
5 cm asphalt over 30 cm crushed gravel subbase					
	180.55		3 8 11	NP	9
Brown and black sand and gravel fill, medium dense					
	179.87		7 4 3	99 S	15
Brownish gray silty clay loam, medium stiff, moist		-1.5			
Sand lense at 1.98 m			2 2 2	86 B	20
			1 1 2	94 B	24
		-3.0			
			0 1 2	52 B	30
	177.10				
Black peat			1 2 2	NP	176 266
	176.65	-4.5			
Gray organic silty loam with shells and peat lenses			0 2 3	267 B	17
	175.90				
Gray silty clay, very stiff			1 5 7	NP	22
	175.15	-6.0			
Gray silty loam, medium dense, saturated			2 2 4	172 B	12
	174.55				
Gray clay to silty clay, stiff, moist			4 11 9	NP	20
	174.10				
Gray sandy loam to fine sand, loose, saturated		-7.5			

Description	Elev.	DEPTH	BLOWS	Qu kPa	W %
			1 2 2	NP	21
			3 5 5	NP	24
		-9.0			
	170.95				
Gray sand and gravel, medium dense			4 8 7	NP	6
		-10.5			
			5 5 10	NP	11
		-12.0			
	168.55				
Gray fine sand, very dense			28 48 50/4"	NP	15
Sample refusal at 13.7 m	167.50	-13.5			
End of Boring at 13.7 m					
		-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 - VIII
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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