F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	162
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. RW-1
Station 4+835
Offset 9.00m L
Surface Elev. 181.35 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 176.4
at Completion
after Hrs.

Description	Elev.	Depth	Blows	Qu kPa	W %
Brown sand and gravel fill, medium dense			30 13 11	NP	4
	180.45				
Black silty clay topsoil, stiff			4 2 3	96 E	34
	179.70	-1.5			
Brown and gray silty clay to silty clay loam, soft to medium stiff, moist			1 1 2	58 B	23
			1 1 1	28 B	28
		-3.0			
			0 0 1	63 B	24
	177.00				
Dark gray to black organic loam and peat with shells, very loose			0 1 2	96 P	30
		-4.5			
	176.25		1 1 5	165 S	130
Gray silt to silty loam, loose to medium dense, saturated					
			4 7 10	NP	21
		-6.0			
			5 8 8	NP	23
			5 18 24	NP	16
Grades to dense	173.85	-7.5			

Description	Elev.	Depth	Blows	Qu kPa	W %
Gray fine to medium grained sand with gravel, medium dense to dense, wet			20 9 6	NP	14
			10 21 21	NP	8
		-9.0			
	171.60				
Gray silty loam, dense, saturated			27 24 21	NP	--
		-10.5			
	170.10				
Gray sand and gravel, very dense, saturated			18 29 28	NP	--
	169.35	-12.0			
End of Boring at 12.19 m					
RW-1A drilled 8/3/0 Auger refusal at 11.89 m					
		-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

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-2
Station 4+861
Offset 10.30m L
Surface Elev. 181.20 m

Surface Water Elev. 177.55
Groundwater Elev.:
when drilling 177.0
at Completion 179.4
after 24 Hrs. 178.6

Description	Elev.	Depth	Blows	Qu kPa	W %
Brown loam fill, medium dense			8 8 4	NP	8
No sample recovery			3 1 2		--
	179.55	-1.5			
Dark gray silty clay to silty clay loam, trace organics, very soft to medium stiff			2 1 1	17 B	27
			0 1 1	58 B	31
		-3.0			
	177.66		0 1 1	39 B	152
Gray organic silt with shells, very loose					
	177.00		6 6 6	NP	21
Gray sandy silt, medium dense, wet		-4.5			
	176.25		11 11 11	NP	9
Gray silt to silty loam with gravel, medium dense, saturated					
		-6.0			
			3 5 8	NP	11
	174.45				
Gray gravelly silty loam with occasional cobbles and boulders, dense to very dense, saturated			12 27 15	NP	12
		-7.5			

Description	Elev.	Depth	Blows	Qu kPa	W %
Rough drilling			30 32 19	NP	7
	173.10				
Gray sandy loam, very dense, saturated			24 50 51	NP	7
	172.20	-9.0			
Gray silty loam, dense, saturated			36 41 33	NP	10
		-10.5			
	170.25				
Gray sandy gravel with cobbles and boulders, extremely dense, saturated			45 100/3"	NP	7
Auger refusal	169.20	-12.0	100/4"	NP	7
End of Boring at 12.07 m					
RW-2A drilled 8/3/05 at location adjacent to RW-2					
		-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 - I
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

tKoeppen(Rdwy_Lisle) 6/26/2009 9:46:50 AM Q:\IDOT\9556.A0\Drawings\STRUCT\66_SoilBorings1.dgn