F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	57B-31	COOK	62	46
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60440

Patrick Engineering, Inc.
STRUCTURE BORING LOG

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Date 12/20/01

STRUCTURE NO. 016-2782
ROUTE FAP-0350
SECTION 57B-NRN-3
COUNTY Cook

Boring No. B-7
Station 23 + 08.80
Offset 22.00ft L
Elevation 554.90 ft

DEPTH	BLOWS	Qu tsf	W %
Gray clay, stiff to very stiff, moist			
551.90			
Silty loam with gravel, dense, moist	34 19 17	NP	9
-55			
	19 26 34	2.1 B	10
-60			
541.90			
Auger refusal			
Hard, fresh to slightly weathered gray, aphanitic dolomitic limestone with stylolitic bedding, close to very close horizontal smooth open joints throughout the core			
NX Rock Core #1 63.0 to 73.0 feet 92% REC 41% RQD			
-70			
-75			
531.90			
End of Boring at 73.0' Boring grouted to surface			

STRUCTURE NO. 016-2782
ROUTE FAP-0350
SECTION 57B-NRN-3
COUNTY Cook

Elevation 529.90 ft

DEPTH	BLOWS	Qu tsf	W %
-80			
-85			
-90			
-95			
-100			

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 Feet

Patrick Engineering, Inc.
STRUCTURE BORING LOG

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Date 6/26/02

ROUTE FAP-0350 DESCRIPTION IL 50 over N. Branch Chicago River
SECT. 57B-NRN-3 STRUCT. NO. 016-2782 DRILLED BY PDI MPG 9260.B0
COUNTY Cook LOCATION Chicago, IL S. 3&4, TWP. 40N, RNG. 13E

Boring No. B-8
Station 23 + 12
Offset 3.30ft R
Surface Elev. 605.00 ft

Surface Water Elev. —
Groundwater Elev.: when drilling 582.0
at Completion N/A
after — Hrs. —

DEPTH	BLOWS	Qu tsf	W %
Asphalt overlayed concrete pavement			
603.30			
Gray and black silty clay fill	--	--	--
Concrete at 4.0' Disturbed Sample	3 50/2"	1.0 P	16
-5			
Broken Sample	1 2 3	0.5 P	20
Brown and gray silty clay fill, trace of brick and coal, soft to medium stiff Disturbed Sample	WOH 1 2	0.5 P	22
-10			
Disturbed Sample	2 2 3	0.75	22
Dark gray and black silty clay fill, traces of slag, brick and glass, soft to medium stiff, moist	2 2 3	1.5 P	16
-15			
Disturbed Sample	3 5 4	1.25 P	22
No Recovery	1 2 1	—	—
-20			
	3 5 6	0.8 B	24
582.00			
Brownish gray silty clay till, very stiff	3 4 7	2.89 B	20
-25			

Grades to hard

DEPTH	BLOWS	Qu tsf	W %
	4 5 8	2.89 B	21
-30	6 12 15	4.55 B	16
-35	5 12 12	4.55 B	18
	6 11 14	6.78 B	13
565.00			
End of Boring at 40.0'			
-40			
Boring grouted.			
-45			
-50			

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 Feet

Patrick Engineering, Inc.
STRUCTURE BORING LOG

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Date 6/26/02

ROUTE FAP-0350 DESCRIPTION IL 50 over N. Branch Chicago River
SECT. 57B-NRN-3 STRUCT. NO. 016-2782 DRILLED BY PDI MPG 9260.B0
COUNTY Cook LOCATION Chicago, IL S. 3&4, TWP. 40N, RNG. 13E

Boring No. B-9
Station 24 + 18
Offset 2.50ft
Surface Elev. 605.30 ft

Surface Water Elev. N/A
Groundwater Elev.: when drilling Dry
at Completion N/A
after — Hrs. —

DEPTH	BLOWS	Qu tsf	W %
Asphalt overlayed concrete pavement			
603.40			
Brown and gray silty clay fill, trace crushed stone, medium stiff to stiff	--	--	--
Disturbed Sample	3 3 3	0.75 P	18
-5			
Disturbed Sample	1 2 1	1.0 P	26
596.80			
Crushed stone fill, dense	19 50/1"	NP	24
-10			
594.80			
Gray, black and dark gray silty clay fill, trace crushed stone, stiff Disturbed Sample	2 8 14	1.0 E	22
	3 3 3	1.0 P	22
-15			
	WOH 2 3	1.0 P	22
587.30			
Brown silty clay till, trace fine gravel and shale, very stiff	2 3 3	2.48 B	20
-20			
	3 4 7	2.67 B	18
	3 3 6	3.31 B	19
-25			

DEPTH	BLOWS	Qu tsf	W %
579.30			
Gray silty clay till, trace fine gravel, very stiff to hard	4 4 9	2.15 B	13
-30	5 6 7	2.87 B	17
-35	7 7 8	4.95 B	13
	5 10 13	4.46 B	11
565.30			
End of Boring at 40.0'			
-40			
Boring grouted			
-45			
-50			

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 Feet

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS IV
FAP 350 IL ROUTE 50 (CICERO AVE.) OVER
NORTH BRANCH OF THE CHICAGO RIVER
COOK COUNTY STATION 23+65.80
SECTION 57B-31
STRUCTURE NO. 016-2782

SCALE: NONE DRAWN BY: M. Belton
DATE: AUGUST 18, 2006 CHECKED BY: R. Clinton

PATRICK ENGINEERING INC.
LISLE, ILLINOIS

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