

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	57B-31	COOK	62	44
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 60440

Patrick Engineering, Inc.
STRUCTURE BORING LOG

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Date 9/14/01

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

Boring No.	Station	Offset	Surface Elev.	DEPTH	LOG	Qu	W	Surface Water Elev.	Groundwater Elev.	DEPTH	LOG	Qu	W
B-4	24 + 23.85	28.00ft R	605.24 ft					N/A	Dry				
				1		0.5	P						
				2		1.75	P						
				1		0.75	P						
				1		0.5	P						
				3									
				2									
				16			NS						
				50/0"									

Asphalt overlaid concrete pavement 603.84
 Dark brown silty clay fill, soft to medium stiff, moist
 Borehole abandoned after encountering obstruction at 16.5'
 Fill samples were disturbed preventing accurate Firmac compression tests
 Grades with wood
 Sampler refusal at 16.5'
 Concrete Auger refusal 588.74
 End of Boring at 18.0'. Borehole grouted upon completion. 587.24

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 12/19/01

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

Boring No.	Station	Offset	Surface Elev.	DEPTH	LOG	Qu	W	Surface Water Elev.	Groundwater Elev.	DEPTH	LOG	Qu	W
B-5	24 + 43.80	21.00ft R	605.31 ft					N/A	Dry				
				2		0.5	E						
				2		0.8	B						
				2		1.6	B/S						
				3		2.4	B/S						
				5		5.3	B/S						
				10									
				18									
				6		4.9	B						
				11									
				13									
				3		2.4	B						
				8									
				9									
				2		2.4	B						
				7									
				12									
				7		2.4	B						
				8									
				11									

Asphalt overlaid concrete pavement 603.65
 Black and gray sandy clay fill, trace brick, soft, moist
 Gray brown silty clay fill, soft to medium stiff, moist
 Brwn clay to silty clay, very stiff to hard, moist
 Gray silty clay, very stiff to hard, moist
 Gray clay, stiff, moist 557.31
 555.31

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

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STRUCTURE BORING LOG

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Date 12/19/01

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

Boring No.	Station	Offset	Elevation	DEPTH	LOG	Qu	W	Surface Water Elev.	Groundwater Elev.	DEPTH	LOG	Qu	W
B-5	24 + 43.80	21.00ft R	555.31 ft					N/A	Dry				
				2		3.3	B						
				6									
				9		7.0	B						
				16									
				27									
				3		1.4	B						
				5									
				8									
				13			NP						
				26									
				32									
				6		6.8	B						
				16									
				19									
				9		7.4	S						
				16									
				18									
				3		1.4	B						
				5									
				8									

Gray clay, stiff, moist
 Gray silt, very dense, moist 546.31
 Auger refusal 542.81
 Hard, fresh, gray aphanitic dolomitic limestone with styoilite bedding, horizontal undulating tight joints along chert nodule at 63.4', 69.8', 75.0' and 71.1'.
 NX Core #1 62.5 to 72.5 feet 98% Recovery 96% RQD
 Horizontal rough, open joints at 70.0' and 70.2'
 End of Boring at 72.5' Boring grouted at completion. 532.81

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 11
 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