

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	57B-31	COOK	62	45
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 60440				

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.	DEPT	BL	LO	WS	Qu	tsf	W	%	Surface Water Elev.	Groundwater Elev.	when drilling	at Completion	Hrs.	DEPT	BL	LO	WS	Qu	tsf	W	%
B-6	24 + 19.80	20.00ft L	605.20 ft									N/A	556.2	N/A										
Bituminous overlaid concrete pavement 603.70																								
Brown silty clay fill, very soft, moist																								
W O H 0.25 E P																								
1 2 1 0.25 P																								
1 1 2 0.25 P																								
W O H 0.25 P																								
Grade to very stiff																								
1 1 3 3.5 S																								
Sampler refusal 589.20																								
Concrete slab 50/0" NS																								
30 minutes to hollow stem auger through concrete slab																								
583.70																								
Gray clay to silty clay, very stiff to hard, moist																								
7 6 10 3.3 B																								
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 NO. 016-2782 STRUCTURE NO. 016-2782
 ROUTE FAP-0350 ROUTE FAP-0350
 SECTION 57B-NRN-3 SECTION 57B-NRN-3
 COUNTY Cook COUNTY Cook

Boring No.	Station	Offset	Elevation	DEPT	BL	LO	WS	Qu	tsf	W	%	Elevation	DEPT	BL	LO	WS	Qu	tsf	W	%			
B-6	24 + 19.80	20.00ft L	555.20 ft									530.20 ft											
Gray clay, very stiff																							
552.70																							
Gray silt, medium dense, moist																							
3 4 6 NP 20																							
Top of bedrock Auger refusal at 62.0' End of Boring at 62.0'																							
543.20																							
Boring grouted to surface																							
Rock core could not be obtained because of offset angle of borehole caused by drilling through concrete slab at 16 foot depth.																							
Fill samples were disturbed preventing accurate Firmac compression tests																							
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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Date 12/20/01

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.	DEPT	BL	LO	WS	Qu	tsf	W	%	Surface Water Elev.	Groundwater Elev.	when drilling	at Completion	Hrs.	DEPT	BL	LO	WS	Qu	tsf	W	%
B-7	23 + 08.80	22.00ft L	604.90 ft									N/A	583.9	N/A										
Bituminous overlaid concrete pavement																								
602.90																								
Brown to gray clay to silty clay fill, moist, very soft to soft																								
Disturbed sample																								
0 1 2 0.5 P 21																								
Disturbed sample																								
0 1 2 0.4 B 22																								
Disturbed sample																								
1 0 1 -0.25 P 26																								
Disturbed sample																								
-0.25 P 28																								
Disturbed sample																								
1 2 1 0.75 P 29																								
Disturbed sample																								
0 0 1 -0.25 P 24																								
Concrete slab 586.40																								
50/0" --																								
15 minutes to auger through concrete slab																								
583.90																								
Dark gray sandy LOAM, medium dense, wet																								
580.90																								
3 3 3 P 19																								
Disturbed sample																								
567.90																								
Gray silty clay to silty clay loam, hard, moist to dry																								
10 13 19 7.0 B 14																								
Disturbed sample																								
557.90																								
Gray clay, stiff to very stiff, moist																								
3 5 7 1.7 B 34																								
554.90																								
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																								



ILLINOIS DEPARTMENT OF TRANSPORTATION
 BORING LOGS III
 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

REVISIONS	
NAME	DATE

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