

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	631	502
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (2425 & 2626) R-2		CONTRACT NO. 62111		

Boring No. 45, Page 1 of 2

Everest Engineering Company  
STRUCTURE BORING LOG

Date: Page 1 of 2  
2/25/02

ROUTE: FAI 80/94 DESCRIPTION: KINGERY EXPRESSWAY  
SECT: WEST OF IL 83 TO EAST OF BURNHAM AVE STRUCTURE NO: 016-2791 DRILLED BY: PATRICK DRILLING INC.  
COUNTY: COOK LOCATION: I 80/94 S. TWP: 28 N. RANG: 14E/15 E.

Boring No. 45 Station: 2+798 (CL 180/94) Offset: 23.00m RT. Surface Elev.: 182.30 m

D	E	L	O	P	T	H	S	W	Q <sub>u</sub>	W	%	Surface Water Elev.		
												when drilling	at Completion	after 24 Hrs.
TOPSOIL														
3	4	248										2	163	21
Very Soft Brown and Gray SILTY CLAY trace - gravel														
5	6	278										3	183	20
Gray after 1.65 m														
2	4	115										3	163	21
Medium Soft to Very Soft Gray SILTY CLAY LOAM trace - gravel														
1	3	77										5	207	25
2	3	115										3	240	16
1	2	96										6	319	14
2	2	96										8	319	14
2	2	115										5	278	14
4	4	102										7	278	14
5	5											10		

SPT: (N) = Sum of last two blow values in sample. (Q<sub>u</sub>) = B-Bulge S-Shear P-Penetration Test Stations, Depths, Offset, and Elevations are in Meters

Boring No. 46, Page 1 of 2

Everest Engineering Company  
STRUCTURE BORING LOG

Date: Page 1 of 2  
2/25/02

ROUTE: FAI 80/94 DESCRIPTION: KINGERY EXPRESSWAY  
SECT: WEST OF IL 83 TO EAST OF BURNHAM AVE STRUCTURE NO: 016-2791 DRILLED BY: PATRICK DRILLING INC.  
COUNTY: COOK LOCATION: I 80/94 S. TWP: 28 N. RANG: 14E/15 E.

Boring No. 46 Station: 6+808 (CL 180/94) Offset: 19.00m RT. Surface Elev.: 188.40 m

D	E	L	O	P	T	H	S	W	Q <sub>u</sub>	W	%	Surface Water Elev.		
												when drilling	at Completion	after 24 Hrs.
ASPHALT														
4	3	261										2	240	16
CRUSHED STONE Medium Soft to Very Soft Brown and Gray SILTY CLAY trace - gravel														
4	4	77										3	230	20
3	3	163										5	207	25
2	2	77										3	240	16
5	5	201										2	206	20
5	5	240										3	246	21
7	7											4	246	21
8	8											5	246	21
9	9											6		
3	3	172										4	246	21
5	5											5	246	21
5	5											10		

SPT: (N) = Sum of last two blow values in sample. (Q<sub>u</sub>) = B-Bulge S-Shear P-Penetration Test Stations, Depths, Offset, and Elevations are in Meters

Boring No. 45, Page 2 of 2

Everest Engineering Company  
STRUCTURE BORING LOG

Date: Page 2 of 2  
2/25/02

STRUCTURE NO: 016-2791  
ROUTE: FAI 80/94 DESCRIPTION: KINGERY EXPRESSWAY  
SECT: WEST OF IL 83 TO EAST OF BURNHAM AVE  
COUNTY: COOK LOCATION: I 80/94 S. TWP: 28 N. RANG: 14E/15 E.

Boring No. 45 Station: 2+798 (CL 180/94) Offset: 23.00m RT. Surface Elev.: 167.30 m

D	E	L	O	P	T	H	S	W	Q <sub>u</sub>	W	%	Surface Water Elev.		
												when drilling	at Completion	after 24 Hrs.
Extreme Dense Gray SILTY LOAM (Hardpan) trace - gravel														
7	7	278										7	278	14
Hard Gray CLAY LOAM (Hardpan) trace to little gravel														
7	8	240										4	240	16
8	8	240										5	240	16
8	10	250										7	278	14
10	10	250										9	278	14
11	15	556										7	278	14
15	20											8	278	14
16	24	517										7	278	14
24	24											8	278	14

SPT: (N) = Sum of last two blow values in sample. (Q<sub>u</sub>) = B-Bulge S-Shear P-Penetration Test Stations, Depths, Offset, and Elevations are in Meters

Boring No. 46, Page 2 of 2

Everest Engineering Company  
STRUCTURE BORING LOG

Date: Page 2 of 2  
2/25/02

STRUCTURE NO: 016-2791  
ROUTE: FAI 80/94 DESCRIPTION: KINGERY EXPRESSWAY  
SECT: WEST OF IL 83 TO EAST OF BURNHAM AVE  
COUNTY: COOK LOCATION: I 80/94 S. TWP: 28 N. RANG: 14E/15 E.

Boring No. 46 Station: 6+808 (CL 180/94) Offset: 19.00m RT. Surface Elev.: 171.40 m

D	E	L	O	P	T	H	S	W	Q <sub>u</sub>	W	%	Surface Water Elev.		
												when drilling	at Completion	after 24 Hrs.
Hard Gray CLAY LOAM (Hardpan) trace to little gravel														
5	5	216										7	278	14
END OF BORING														
4	4	596										7	278	14
7	7	517										9	278	14
8	8	431										7	278	14

SPT: (N) = Sum of last two blow values in sample. (Q<sub>u</sub>) = B-Bulge S-Shear P-Penetration Test Stations, Depths, Offset, and Elevations are in Meters

1-1899002A.DGN, N0999R2A.DGN, 7-1-02-2001, 10:27:01, I:\DOCUMENTS\193756\STRUCT\DRGN\807602A.DGN, 2-23-04 3:15:10 PM, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

SHT. BS-60 OF 60

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)  
 EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION  
 I-80/94 OVER BURNHAM AVENUE  
 STRUCTURE NO. 016-2791 STA. 6+772.591  
 SECTION 1977-121-R  
 COOK COUNTY

**BORING LOGS - III**

DATE: 7/18/2005  
 DRAWN BY: LG  
 CHECKED BY: MJK

**TENG**  
 TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 CHICAGO, ILLINOIS