

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94		COOK	631	440
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (2425 & 2626) R-2		CONTRACT NO. 62111		

Boring No. 351, Page 1 of 2

Everest Engineering Company  
STRUCTURE BORING LOG

ROUTE FAI 8094 KINGERY EXPRESSWAY  
SECT. WEST OF IL 83 TO EAST OF BURNHAM AVE  
COUNTY COOK LOCATION 18954 S. 36 N. RWG 14E15 E

Boring No. 351  
Station 5+997 (CL 18954)  
Offset 40.00m LT  
Surface Elev. 163.10 m

Surface Water Elev.	Groundwater Elev.	D	B	Qu	W	H	T	W	S	Mpa	%	D	B	Qu	W	H	T	W	S	Mpa	%		
																						SPT (N) = Sum of last two blow values in sample	
TOPSOIL																							
Soil to Very Soft Brown and Gray SILTY CLAY trace - gravel and rock																							
182.80																							
3 201 28																							
4 B																							
5																							
3 183 27																							
3 B																							
4																							
2 201 22																							
3 B																							
4																							
4 245 23																							
5 B																							
7																							
179.95																							
2 165 19																							
5 B																							
6																							
2 165 20																							
4 B																							
5																							
2 86 26																							
3 B																							
4																							
177.70																							
1 18																							
4																							
5																							
176.95																							
2 201 20																							
3 B																							
8																							
3 201 20																							
4 B																							
7																							
13																							
7 811 13																							
12 B																							
15																							

SPT (N) = Sum of last two blow values in sample (Qu) B-Blow S-Shear P-Penetration Test  
Stations, Depths, Offset, and Elevations are in Meters

Boring No. 352, Page 1 of 2

Everest Engineering Company  
STRUCTURE BORING LOG

ROUTE FAI 8094 KINGERY EXPRESSWAY  
SECT. WEST OF IL 83 TO EAST OF BURNHAM AVE  
COUNTY COOK LOCATION 18094 S. 36 N. RWG 14E15 E

Boring No. 352  
Station 6+012 (CL 18094)  
Offset 40.00m LT  
Surface Elev. 163.00 m

Surface Water Elev.	Groundwater Elev.	D	B	Qu	W	H	T	W	S	Mpa	%	D	B	Qu	W	H	T	W	S	Mpa	%		
																						SPT (N) = Sum of last two blow values in sample	
ASPHALT																							
163.30																							
6 594 16																							
7 S																							
3 276 21																							
3 B																							
5																							
182.70																							
2 185 25																							
2 B																							
4																							
3 211 20																							
5 B																							
6																							
181.96																							
3 115 31																							
2 B																							
1																							
2 240 21																							
3 B																							
4																							
180.45																							
4 20																							
8																							
4 20																							
4																							
3 240 20																							
5 B																							
6																							
179.90																							
2 261 20																							
3 B																							
4																							
4 201 22																							
7 B																							
8																							
4 476 14																							
7 B																							
11																							
3 240 17																							
4 B																							
5																							
3 230 18																							
4 B																							
7																							
476 11																							
10 B																							
12																							

SPT (N) = Sum of last two blow values in sample (Qu) B-Blow S-Shear P-Penetration Test  
Stations, Depths, Offset, and Elevations are in Meters

Boring No. 353, Page 1 of 2

Everest Engineering Company  
STRUCTURE BORING LOG

ROUTE FAI 8094 KINGERY EXPRESSWAY  
SECT. WEST OF IL 83 TO EAST OF BURNHAM AVE  
COUNTY COOK LOCATION 18094 S. 36 N. RWG 14E15 E

Boring No. 353  
Station 6+036 (CL 18094)  
Offset 40.00m LT  
Surface Elev. 163.30 m

Surface Water Elev.	Groundwater Elev.	D	B	Qu	W	H	T	W	S	Mpa	%	D	B	Qu	W	H	T	W	S	Mpa	%		
																						SPT (N) = Sum of last two blow values in sample	
MISCELLANEOUS FILL																							
Sand, Gravel, Cobble																							
Slag and Silty Clay																							
4 25																							
1 115 20																							
3 B																							
5																							
182.40																							
2 99 23																							
2 B																							
5																							
2 125 18																							
5 B																							
7																							
2 182 21																							
3 B																							
4																							
4 201 22																							
5 B																							
6																							
179.70																							
2 183 18																							
2 B																							
5																							
179.40																							
2 115 30																							
2 B																							
3																							
2 194 30																							
1 B																							
3																							
1 183 32																							
1 B																							
3																							
2 172 18																							
4 B																							
5																							
2 85 20																							
2 B																							
5																							
4 246 16																							
8 B																							
12																							

SPT (N) = Sum of last two blow values in sample (Qu) B-Blow S-Shear P-Penetration Test  
Stations, Depths, Offset, and Elevations are in Meters

Boring No. 351, Page 2 of 2

Everest Engineering Company  
STRUCTURE BORING LOG

ROUTE FAI 8094 KINGERY EXPRESSWAY  
SECT. WEST OF IL 83 TO EAST OF BURNHAM AVE  
COUNTY COOK LOCATION 18954 S. 36 N. RWG 14E15 E

Boring No. 351  
Station 5+997 (CL 18954)  
Offset 40.00m LT  
Surface Elev. 163.10 m

Surface Water Elev.	Groundwater Elev.	D	B	Qu	W	H	T	W	S	Mpa	%	D	B	Qu	W	H	T	W	S	Mpa	%		
																						SPT (N) = Sum of last two blow values in sample	
Dense to Extreme Dense, Gray SILTY LOAM (Hardpan) trace to fine-gravel																							
168.30																							
6 431 13																							
10 P																							
16																							
8 13																							
14																							
10																							
168.45																							
8 13																							
15																							
18																							
18																							
161.45																							
160.00																							
3																							

SPT (N) = Sum of last two blow values in sample (Qu) B-Blow S-Shear P-Penetration Test  
Stations, Depths, Offset, and Elevations are in Meters

Boring No. 352, Page 2 of 2

Everest Engineering Company  
STRUCTURE BORING LOG

ROUTE FAI 8094 KINGERY EXPRESSWAY  
SECT. WEST OF IL 83 TO EAST OF BURNHAM AVE  
COUNTY COOK LOCATION 18094 S. 36 N. RWG 14E15 E

Boring No. 352  
Station 6+012 (CL 18094)  
Offset 40.00m LT  
Surface Elev. 163.00 m

Surface Water Elev.	Groundwater Elev.	D	B	Qu	W	H	T	W	S	Mpa	%	D	B	Qu	W	H	T	W	S	Mpa	%		
																						SPT (N) = Sum of last two blow values in sample	
Medium Dense to Dense, Gray SILTY LOAM (Hardpan)																							
168.65																							
7 383 18																							
8 P																							
12																							
10 13																							
14																							
17																							
12 14																							
15																							
15																							
12 14																							
14																							
15																							
11 12																							
16																							
16																							
162.00																							
21																							

SPT (N) = Sum of last two blow values in sample (Qu) B-Blow S-Shear P-Penetration Test  
Stations, Depths, Offset, and Elevations are in Meters

Boring No. 353, Page 2 of 2

Everest Engineering Company  
STRUCTURE BORING LOG

ROUTE FAI 8094 KINGERY EXPRESSWAY  
SECT. WEST OF IL 83 TO EAST OF BURNHAM AVE  
COUNTY COOK LOCATION 18094 S. 36 N. RWG 14E15 E

Boring No. 353  
Station 6+036 (CL 18094)  
Offset 40.00m LT  
Surface Elev. 163.30 m

Surface Water Elev.	Groundwater Elev.	D	B	Qu	W	H	T	W	S	Mpa	%	D	B	Qu	W	H	T	W	S	Mpa	%		
																						SPT (N) = Sum of last two blow values in sample	
Medium Dense, Gray SILTY LOAM trace - gravel																							
168.35																							
5 201 14																							
7 B																							
9																							
6 15																							
7																							
11																							
13																							
168.65																							
9 383 15																							
11 P																							
13																							
163.35																							
8 10																							
10																							
162.47																							
30																							
6000																							
10																							

SPT (N) = Sum of last two blow values in sample (Qu) B-Blow S-Shear P-Penetration Test  
Stations, Depths, Offset, and Elevations are in Meters

SHT. RS-68 OF 70

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 RAILROAD AVENUE  
STRUCTURE NO. 016-2792 STA. 6+025.000  
SECTION 1977-121-R  
COOK COUNTY

BORING LOGS - I

DATE: 7/18/2005  
DRAWN BY: LG  
CHECKED BY: MJK  
**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
CHICAGO, ILLINOIS

N:\B95002A.DGN, \\_B95002A.DGN  
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