

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK	1207	536
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62114

BORING LOG # 614, PAGE 1 OF 1

BORING LOG SF-6, PAGE 1 OF 1

BORING LOG 173, PAGE 1 OF 1

Everest Engineering Company  
STRUCTURE BORING LOG

Page 1 of 1  
Date 3/18/02

ROUTE FAL 80/94 DESCRIPTION KINGERY EXPRESSWAY

SECT. WEST OF IL 83 TO EAST OF BURNHAM AVE. STRUCT. NO. \_\_\_\_\_ DRILLED BY PATRICK DRILLING INC.

COUNTY COOK LOCATION NB IL RTE. 83 S. \_\_\_\_\_ TWP. 36 N RING. 14E/15 E

Boring No.	Station	Offset	Surface Elev.	D	B	W	Qu	W	Surface Water Elev.	D	B	W	Qu	W
			m	DEPTH	LOOSE	SHEAR	KPa	%	Groundwater Elev. when drilling at Completion after	DEPTH	LOOSE	SHEAR	KPa	%
				H	S	P			Hrs.	T	W	S		
TOPSOIL														
			182.60											
				1	192	22					2	201	21	
				3	B						5	B		
				5							7			
				2	163	19					3	201	20	
				3	S						6	B		
				4							7			
			173.90	END OF BORING										
				5	354	19								
				6	B									
				8										
			180.50	Medium Dense, Brown and Gray SILTY LOAM										
				9		18								
				12										
			180.05	Medium Dense, Gray SILT										
				10		18								
				13										
			179.00	Stiff to Very Stiff, Gray SILTY CLAY LOAM trace - gravel										
				7	220	21					4	B		
				4							7			
				3	163	24					2	B		
				2										
				2	163	20					3	B		
				4										
				3	115	21					3	B		
				3							1			
				1	201	21					3	B		
				3							6			
				6										

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

EVEREST ENGINEERING CO.

CLIENT: **TENG & ASSOCIATES, INC.**  
PROJECT: **F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)**  
LOCATION: **175TH STREET STA.: 318+543 OFFSET: 0.6 m RT.**

JOB NO.: **845** BORING NO.: **SF-6** SURFACE ELEV.: **182.95**  
LOGGED BY: **K. KRUG** DATE: **10/11/2002** SHEET **1** OF **1**

SCALE	DEPTH ELEV (m)	SOIL DESCRIPTION	LITHOLOGY	SAMPLE TYPE & No.	SCALE	SPT Blows per 152.4mm	q <sub>p</sub> (MPa)	q <sub>u</sub> (MPa)	γ <sub>d</sub> (kN/m <sup>3</sup> )	w (%)	REMARKS
	0.34	ASPHALT PAVEMENT									
	182.61	CRUSHED STONE									
	0.46	Medium Stiff to Hard, Black SILTY CLAY trace - gravel		SS-1	3-3-5-6	383				21	
	182.49	Brown and Gray after 0.9 m									
	1.0			SS-2	3-4-4-6		201			22	
	2.0			SS-3	2-2-3-2		77			24	
	2.74			SS-4	2-2-3-5		163			21	
	180.21	Loose, Brown SILTY LOAM		SS-5	3-5					21	
	3.05	END OF BORING									
	179.90										

DRILLED BY: **PATRICK DRILLING INC.**  
BORING STARTED: **October 7, 2002**  
BORING COMPLETED: **October 7, 2002**  
THIS LOG IS NOT INTENDED FOR USE INDEPENDENT FROM THE ENGINEERING REPORT

WATER LEVEL  
 DURING DRILLING  
 AT COMPLETION  
 AFTER COMPLETION  
 AFTER COMPLETION

Everest Engineering Company  
STRUCTURE BORING LOG

Page 1 of 1  
Date 11/27/01

ROUTE FAL 80/94 DESCRIPTION KINGERY EXPRESSWAY

SECT. WEST OF IL 83 TO EAST OF BURNHAM AVE. STRUCT. NO. 016-WB47 DRILLED BY PATRICK DRILLING INC.

COUNTY COOK LOCATION CD ROAD S. \_\_\_\_\_ TWP. 36 N RING. 14E/15 E

Boring No.	Station	Offset	Surface Elev.	D	B	W	Qu	W	Surface Water Elev.	D	B	W	Qu	W
			m	DEPTH	LOOSE	SHEAR	KPa	%	Groundwater Elev. when drilling at Completion after	DEPTH	LOOSE	SHEAR	KPa	%
				H	S	P			Hrs.	T	W	S		
ASPHALT														
			175.35	Loose, Gray SILTY LOAM										
				3	268	20					1	2	18	
				4	B						2			
				6							2			
			174.80	Medium Stiff to Very Stiff, Gray SILTY CLAY LOAM trace - gravel										
				3	211	23					1	57	22	
				3	B						1	B		
				6							3			
				1	192	22								
				2	B									
				3										
			180.30	Medium Dense, Gray SILT										
				2	201	20					1	211	21	
				3	B						3	B		
				7							6			
				1	57	23								
				2	B									
				2										
			179.55	Medium Stiff, Gray SILTY CLAY LOAM trace - gravel										
				1	57	23								
				2	B									
				2										
			179.10	Loose, Gray SILTY LOAM										
				1		21					2	316	14	
				5							5	B		
				4							8			
				1	192	22								
				1	B									
				1										
			178.35	Hard, Gray CLAY LOAM (HARDPAN) trace to little - gravel										
				1	48	24								
				1	B									
				1										
				0	38	24					4	556	14	
				1	B						8	B		
				1							10			
				1	77	28								
				1	B									
				2										
				3	115	23								
				3	B									

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

I:\DOCUMENTS\3575750\STRUCT\LOGN\809022A.DGN  
 8/1/2002 15:25:56  
 2.3 4.56 18 9 11 12 13 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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)  
EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION  
COOK COUNTY

**BORING LOGS - II**

REVISIONS	
NAME	DATE

SCALE: \_\_\_\_\_ DATE: 7/18/2005  
DRAWN BY: PA  
CHECKED BY: MJK

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