F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	307
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62303 * (2021-922 PT2 ETC 2324.6-1P) R-11

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 8/25/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. _____ DRILLED BY PATRICK DRILLING
COUNTY COOK LOCATION OVERHEAD SIGN STRUCTURE S. ___, TWP. 39 N, RNG. 14 E

Boring No. OVHSB1
Station 3532+61 (SB LOCAL)
Offset 40 ft LT. OF SB LOCAL BL
Surface Elev. 1.10 ft

Surface Water Elev. _____
Groundwater Elev.: when drilling _____ at Completion _____ after ___ Hrs. _____

Description	Elev.	Depth	Blows	Qu tsf	W %
ASPHALT PAVEMENT	0.8				
CRUSHED STONE			3 3 3		6
FILL	-1.9				
Medium Stiff to Stiff, Gray SILTY CLAY trace - gravel			2 2 3	0.5 B	23
		-5			
			2 2 3	1.2 B	22
			1 3 3	1.2 B	19
		-10			
			0 2 3	1.1 B	22
Very Stiff, Gray SILTY CLAY LOAM trace - gravel	-11.9		5 8 9	2.7 B	12
		-15			
Extremely Dense, Gray SILTY LOAM trace - gravel	-14.4		11 34 50/2"		14
			50/4"		
		-20			
Extremely Dense, Gray CLAY LOAM trace - gravel	-19.4		31 36 50/1"		9
Extremely Dense, Gray SILTY LOAM trace - gravel	-21.9		42 50/5"		5
		-25			

Elev.	Depth	Blows	Qu tsf	W %
		50/5"		
-28.4				
END OF BORING (AUGER REFUSAL)				

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

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 8/25/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. _____ DRILLED BY PATRICK DRILLING
COUNTY COOK LOCATION OVERHEAD SIGN STRUCTURE S. ___, TWP. 39 N, RNG. 14 E

Boring No. OVHSB2
Station 3542+17 (SB LOCAL)
Offset 55 ft LT. OF SB LOCAL BL
Surface Elev. 5.90 ft

Surface Water Elev. _____
Groundwater Elev.: when drilling _____ at Completion _____ after ___ Hrs. _____

Description	Elev.	Depth	Blows	Qu tsf	W %
ASPHALT	5.7				
CONCRETE	4.9				
Medium Dense, Brown and Gray SANDY LOAM trace - gravel			9 11 14		6
			4 4 7		8
		-5			
Loose, Gray SILTY LOAM	0.4		2 3 5		20
Soft to Very Stiff, Gray CLAY trace - gravel	-2.1		0 2 1	0.5 B	24
		-10			
			2 2 2	0.4 B	26
			0 1 1	0.3 B	24
		-15			
			2 4 5	1.4 B	16
			14 25 32	3.1 B	14
		-20			
			6 9 11	2.9 B	12
Dense to Extremely Dense, Gray SILTY LOAM trace - gravel	-17.1		15 23 25		10
		-25			

Elev.	Depth	Blows	Qu tsf	W %
		24 50/5"		10
		50/4"		7
-24.1				
END OF BORING				

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

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 8/22/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. _____ DRILLED BY PATRICK DRILLING
COUNTY COOK LOCATION OVERHEAD SIGN STRUCTURE S. ___, TWP. 39 N, RNG. 14 E

Boring No. OVHSB8
Station 3600+58 (SB LOCAL)
Offset 67 ft LT. OF SB LOCAL BL
Surface Elev. 9.40 ft

Surface Water Elev. _____
Groundwater Elev.: when drilling _____ at Completion _____ after ___ Hrs. _____

Description	Elev.	Depth	Blows	Qu tsf	W %
TOPSOIL	8.4				
Medium Dense, Brown and Gray, SANDY LOAM trace - gravel and roots			4 9 10		11
			3 6 9		15
		-5			
Loose, Gray Silt	3.9		2 2 2		26
			0 1 1		27
		-10			
Very Soft to Very Stiff, Gray SILTY CLAY trace - gravel	-1.1		0 1 4	1.6 B	22
			2 3 3	1.3 B	23
		-15			
			0 2 3	0.6 B	26
			0 1 3	0.5 B	22
		-20			
			0 1 1	0.4 B	25
			0 1 2	0.2 B	24
		-25			

Elev.	Depth	Blows	Qu tsf	W %
		0 1 8	0.1 B	26
		0 0 1	0.1 B	28
		3 5 9	3.1 B	15
-28.6				
Hard, Gray SILTY CLAY LOAM trace - gravel		10 13 18	4.5+ P	10
-30.6				
END OF BORING				

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

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 8/21/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. _____ DRILLED BY PATRICK DRILLING
COUNTY COOK LOCATION OVERHEAD SIGN STRUCTURE S. ___, TWP. 39 N, RNG. 14 E

Boring No. OVHSB10
Station 3609+74 (SB LOCAL)
Offset 44 ft LT. OF SB LOCAL BL
Surface Elev. -1.20 ft

Surface Water Elev. _____
Groundwater Elev.: when drilling _____ at Completion _____ after ___ Hrs. _____

Description	Elev.	Depth	Blows	Qu tsf	W %
ASPHALT	-1.7				
CRUSHED STONE			5 9 9		4
		-5			
			6 8 3		6
FILL	-6.7				
Very Soft to Stiff, Gray SILTY CLAY trace -gravel			0 2 2		
		-10			
			0 2 1	0.2 B	25
			0 1 2	0.4 B	22
			0 1 1	0.2 B	28
		-15			
			0 2 2	0.2 B	25
			1 2 2	0.4 B	25
		-20			
			0 1 2	0.3 B	25
			2 2 3	0.9 B	21
		-25			

Elev.	Depth	Blows	Qu tsf	W %
		3 5 8	1.4 B	19
-29.2				
Very Stiff, Gray SILTY CLAY LOAM trace - gravel		8 11 13	2.6 B	22
-31.2				
END OF BORING				

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

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 8/21/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. _____ DRILLED BY PATRICK DRILLING
COUNTY COOK LOCATION OVERHEAD SIGN STRUCTURE S. ___, TWP. 39 N, RNG. 14 E

Boring No. OVHSB11
Station 3616+48 (SB LOCAL)
Offset 44 ft LT. OF SB LOCAL BL
Surface Elev. 2.10 ft

Surface Water Elev. _____
Groundwater Elev.: when drilling _____ at Completion _____ after ___ Hrs. _____

Description	Elev.	Depth	Blows	Qu tsf	W %
ASPHALT	1.5				
CRUSHED STONE			8 13 15		4
FILL	-0.9				
Loose, Gray SILTY LOAM trace - gravel			3 5 4		11
		-5			
			3 4 2		
	-5.9				
Very Soft to Stiff, Gray SILTY CLAY trace - gravel			1 1 2	0.25 P	19
		-10			
			0 0 1	0.4 B	22
			1 1 2	0.4 B	24
		-15			
			1 1 2	0.4 B	24
			1 1 2	0.5 B	26
		-20			
			0 0 1	0.2 B	27
			0 0 1	0.2 B	26
		-25			

Elev.	Depth	Blows	Qu tsf	W %
		0 0 2	0.2 B	27
		1 2 3	0.6 B	23
		2 4 5	1.2 B	22
-35.9				
Very Dense, Gray SILTY LOAM trace - gravel		9 21 31		12
-37.9				
END OF BORING				

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

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com

SB-3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
SOIL BORING LOGS FOR
SIGN STRUCTURE FOUNDATIONS

SCALE: NTS DRAWN BY: RA
DATE: 06/09/06 CHECKED BY: RS

12:01:48 PM
6/8/2006