F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	306
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62300 *(1818, ETC. 2324.6-1PJR-8

Everest Engineering Company
STRUCTURE BORING LOG

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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. 38 N, RNG. 14 E

Boring No. OVHNB1
Station 4538+57 (NB LOCAL)
Offset 43.1ft RT. OF NB LOCAL BL
Surface Elev. 11.30 ft

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

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
ASPHALT PAVEMENT	10.80				
CRUSHED STONE	10.30				
Loose, Brown and Gray SANDY LOAM trace to little crushed stone			3 3 3		2
FILL	8.30				
Medium Dense, Brown Fine to Coarse SAND trace to little gravel			23 16 11		4
Very Loose to Loose, Gray SILTY LOAM trace- gravel	5.80		3 3 4		17
			0 1 1		27
			0 0 1		26
Medium Stiff to Stiff, Gray SILTY CLAY trace - gravel	-1.70		0 2 3	0.5 B	23
			2 2 3	0.5 B	23
			1 3 3	0.5 B	22
			1 2 3	1.0 B	15
			2 3 5	1.2 B	19
Hard, Gray CLAY LOAM trace - gravel	-16.70		4 11 13	4.5+ P	12
END OF BORING	-18.70				

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

OVHNB1

Everest Engineering Company
STRUCTURE BORING LOG

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Date 8/26/03

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. 38 N, RNG. 14 E

Boring No. OVHNB2
Station 4545+27 (NB LOCAL)
Offset 56.2ft RT. OF NB LOCAL BL
Surface Elev. 8.40 ft

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

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
ASPHALT PAVEMENT	7.74				
CRUSHED STONE	7.40				
Loose to Medium Dense, Brown SANDY LOAM trace- gravel			6 2 2		7
			8 6 6		26
Very Loose, Gray SILTY LOAM trace- gravel	2.90		0 1 0		28
			0 1 2		27
Medium Stiff to Stiff, Gray SILTY CLAY trace - gravel	-2.10		1 2 4	1.0 B	20
			0 3 4	1.0 B	23
			0 2 3	0.8 B	24
			6 50/2"	1.7 B	20
END OF BORING (AUGER REFUSAL)	-11.60				

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

OVHNB2

Everest Engineering Company
STRUCTURE BORING LOG

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Date 8/27/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. DRILLED BY PATRICK DRILLING 14 E
COUNTY COOK LOCATION OVERHEAD SIGN STRUCTURE S. ___, TWP. 38 N, RNG.

Boring No. OVHNB4
Station 4570+81 (NB LOCAL)
Offset 58.7ft RT. OF NB 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	-2.60				
CRUSHED STONE			10 21 14		
			8 20 13		3
FILL	-7.60				
Stiff, Gray SILTY CLAY trace - gravel			0 2 3	1.0 B	22
			0 2 3	1.0 B	22
Very Stiff, Gray SILTY CLAY LOAM trace - gravel	-12.90		5 8 11	3.0 P	12
Very Dense to Extremely Dense, Gray SILTY LOAM trace - gravel	-15.10		9 38 42		11
			38 50/2"		7
			24 50/3"		8
END OF BORING (AUGER REFUSAL)	-22.10				

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

OVHNB4

Everest Engineering Company
STRUCTURE BORING LOG

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Date 8/27/03

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. 38 N, RNG. 14 E

Boring No. OVHNB7
Station 4588+91 (NB LOCAL)
Offset 58.2ft RT. OF NB LOCAL BL
Surface Elev. 10.10 ft

Surface Water Elev.
Groundwater Elev.:
when drilling -0.9
at Completion -3.4
after Hrs.

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
ASPHALT	9.68				
CRUSHED STONE			18 20 23		3
			14 23 14		5
FILL	4.60				
Loose to Medium Dense, Gray SILTY LOAM			2 4 6		20
			2 2 2		23
Very Soft to Stiff, Gray SILTY CLAY trace - gravel	-0.40		1 1 1	0.4 B	25
			1 1 4	0.7 B	24
			0 0 1	0.1 B	26
			0 0 1	0.1 B	25
			0 0 1	0.1 B	26
			0 1 1	0.3 B	25
			0 1 1	0.4 B	25
			3 7 5	1.7 B	20
Hard, Gray SILTY CLAY LOAM trace - gravel	-27.90		11 16 24	4.8 B	10
END OF BORING	-29.90				

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

OVHNB7

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS

SCALE: NTS DRAWN BY: MTR
DATE: 07/07/05 CHECKED BY: JDC

5:03:04 PM 6/27/2005

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