F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	392
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 5/19/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. _____ DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION HIGH MAST LIGHTING TOWER S. ___, TWP. 38 N, RNG. 14 E

Boring No. SB-7
Station 3554+74 (SB LOCAL)
Offset 43.8ft Lt. OF SB LOCAL BL
Surface Elev. -4.96 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling -6.0
at Completion _____
after _____ Hrs. _____

Description	Elev.	SPT (N)	Qu tsf	W %
ASPHALT PAVEMENT	-5.67			
Loose, Brown SANDY LOAM, some - gravel		9 5 3		8
FILL: Soft to Medium Stiff, Gray SILTY CLAY, trace - gravel	-7.96	2 2 3	0.6 B	24
		1 1 2	0.6 B	24
		1 1 1	0.4 B	25
		1 2 2	0.8 B	21
		2 2 3	1.0 B	19
Hard to Very Hard, Gray SILTY CLAY LOAM, trace to little - gravel	-20.46	6 10 17	8.0 S	10
		41 35 50/2"	4.5+ P	7
		18 31 44	4.5+ P	11
END OF BORING	-29.96	12 20 25	12.0 S	11

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 2
Date 5/19/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. _____ DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION HIGH MAST LIGHTING TOWER S. ___, TWP. 38 N, RNG. 14 E

Boring No. SB-10
Station 3567+29 (SB LOCAL)
Offset 56.1ft Lt. OF SB LOCAL BL
Surface Elev. -4.84 ft

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

Description	Elev.	SPT (N)	Qu tsf	W %
ASPHALT PAVEMENT	-5.59			
Medium Dense, Brown SAND, trace - gravel		10 9 11		6
FILL: CRUSHED STONE	-7.84	12 10 7		7
FILL: Dense to Very Dense, Gray SILT, trace - gravel	-10.34	11 13 17		11
		50/2"		
For Rock Cores See Page 2	-14.84			

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 ROCK CORING LOG

Page 2 of 2
Date 5/19/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. _____ DRILLED BY PATRICK DRILLING INC.
COUNTY COOK

Boring No. SB-10 Core Type NX
Station 3567+29 (SB LOCAL) Core Diameter 2.0 in
Offset 56.1ft Lt. OF SB LOCAL BL Core Length 10 ft
Surface Elev. -4.84 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVERY (%)	RQD (%)	CORE TIME (Min/ft)	COMP. STRENGTH (tsf)
-14.84	DOLOMITE: Dark gray, fine grained, massive, thin to medium bedded, moderately weathered, moderately fractured, trace - vugs and pyrite	1	83	60	3	
-24.84	END OF BORING					

Color pictures of the cores YES
Cores will be stored for examination until September 30, 2003

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 5/19/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. _____ DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION HIGH MAST LIGHTING TOWER S. ___, TWP. 38 N, RNG. 14 E

Boring No. SB-11
Station 3570+87 (SB LOCAL)
Offset 58.5ft Lt. OF SB LOCAL BL
Surface Elev. -1.52 ft

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

Description	Elev.	SPT (N)	Qu tsf	W %
ASPHALT PAVEMENT	-2.35			
CRUSHED STONE	-2.77			
FILL: Medium Stiff to Very Stiff, Gray SILTY CLAY, trace - gravel		7 2 2	2.1 B	19
		2 2 2	0.8 B	23
		2 1 2	0.8 B	23
		1 1 1	0.7 B	22
Hard to Very Hard, Gray SILTY CLAY LOAM, trace - gravel	-12.02	4 10 12	7.0 B	12
		4 8 12	8.2 B	12
		14 30 50/3"	4.5+ P	10
Dense to Very Dense, Gray SILTY LOAM, trace - gravel	-19.52	11 30 27		9
		7 14 23		12
		13 19 27		10
END OF BORING	-26.52			

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 5/19/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. _____ DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION HIGH MAST LIGHTING TOWER S. ___, TWP. 38 N, RNG. 14 E

Boring No. SB-12
Station 3574+83 (SB LOCAL)
Offset 81.2ft Lt. OF SB LOCAL BL
Surface Elev. 4.07 ft

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

Description	Elev.	SPT (N)	Qu tsf	W %
TOPSOIL	3.57			
Loose, Brown SANDY LOAM, trace - topsoil and gravel		4 4 4		11
FILL: CRUSHED STONE	1.07	3 4 5		3
FILL: Medium Stiff to Very Stiff, Gray SILTY CLAY, trace - gravel	-1.43	3 2 2	1.7 B	22
		1 2 2	1.1 B	24
		1 2 3	1.1 B	22
		1 1 2	0.7 B	24
		1 1 2	0.6 B	24
		1 4 4	1.8 B	19
END OF BORING	-20.93	3 4 5	2.1 B	20

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 5/19/03

ROUTE FAI 90/94 DESCRIPTION DAN RYAN EXPRESSWAY
SECT. 31ST STREET TO 47TH STREET STRUCT. NO. _____ DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION HIGH MAST LIGHTING TOWER S. ___, TWP. 38 N, RNG. 14 E

Boring No. SB-13
Station 3579+50 (SB LOCAL)
Offset 44.6ft Lt. OF SB LOCAL BL
Surface Elev. -5.19 ft

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

Description	Elev.	SPT (N)	Qu tsf	W %
ASPHALT PAVEMENT	-6.02			
CRUSHED STONE	-7.19	5 6 7		5
FILL: Medium Dense, Brown SANDY LOAM, trace - gravel	-8.19			
FILL: Soft to Very Stiff, Gray SILTY CLAY, trace - gravel		2 3 3	0.5 B	22
		3 3 5	1.2 B	22
		5 5 5	1.0 B	22
		2 2 2	0.4 B	21
		1 2 2	0.8 B	20
		3 4 8	2.9 B	19
Hard to Very Hard, Gray SILTY CLAY LOAM, trace - gravel	-23.19	5 12 17	8.7 B	11
		21 42 50/4"	4.5+ P	9
		22 37 48	4.5+ P	9
END OF BORING	-30.19			

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

BL-08

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

SCALE: 1"=50'
DATE: 06/09/06
DRAWN BY: LAM
CHECKED BY: BLU

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

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