STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1545	•	DUPAGE	97	55
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. - 34
39 - SHEETS

• 00-00115-00-BR

CONTRACT NO. 83961

STRUCTURE FOUNDATION BORING LOG

OBA
O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAVIS ST./ARLINGTON HTS., IL 60005
(847)398-1441 • FAX(847) 398-2376

Sh 1 of 1

Project: Bailey Road Bridge over the West Branch of the DuPage River — OBA JOB NO. 04251
Location: Naperville, Illinois — Date October 13, 04
County: DuPage County — Bored By Patrick
Client: T.Y. Lin International BASCOR, Inc. — Checked By DOB
BORING No.: S-1
Station: 2+41
Offset: 12.0' Right
Surface Elevation: 656.6

Surface Water Elev. n/a
Groundwater Elevation WD Dry
Groundwater Elevation AB n/a
After Hours

		Blow Counts	Qu (tsf)	W (%)
4.0" ASPHALT, 44.0" CRUSHED ASPHALT		8		
		10		
		6	NP	3
		5		
	-5	5	2.25P	18
SILTY CLAY-some sand, gravel & stone-dark brown & gray-soft to very stiff (CL) Fill		2		
		4		
		3	1.25P	16
		1		
	-10	1		
		2	0.25P	20
		1		
SILTY CLAY-trace sand & gravel-dark brown & gray-very stiff (CL)		3		
		3	3.5P	4
			NP	
FRACTURED ROCK-very dense		50/3"		5
SILURIAN SYSTEM, NIAGARAN SERIES DOLOMITE	-15			
RUN 1(-14.5' to -19.5') Light gray with horizontal bedding, Slightly porous with rust staining throughout. Weathered with numerous horizontal fractures throughout. Recovery=100.0% RQD=21.7%		RUN 1		
	-20			
RUN 2 (-19.5' to -24.5') Light gray with horizontal bedding, Slightly porous with rust staining throughout. Weathered with numerous horizontal fractures throughout. Recovery=100.0% RQD=41.7%		RUN 2		
	-25			

End of Boring @ -24.5'
4.25" Hollow Stem Augers to -14.5'
Rotary Drilling to Completion
CME-75 Automatic Hammer

Blow Counts	Qu (tsf)	W (%)
-30		
-35		
-40		
-45		
-50		

N-Standard Penetration is the value of the last two blow counts in each sample zone (ASTM D-1586)
NR-No Recovery ST-Shelby Tube
T-Type Failure B-Bulge Failure S-Shear Failure E-Estimated Value P-Penetrometer
Qu-Unconfined Compressive Strength (tsf) W-Water Content, percent dry weight NP-Non-Plastic
Unit dry weight (pcf) noted in Italics above
% w VS-Vane Shear (psf)

O'BRIEN & ASSOCIATES, INC.

STRUCTURE FOUNDATION ROCK CORING LOG

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CONSULTING ENGINEERS
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(847)398-1441 • FAX(847) 398-2376

Sh 1 of 1

Project: Bailey Road Bridge over the West Branch of the DuPage River — OBA JOB NO. 04251
Location: Naperville, Illinois — Date October 13, 04
County: DuPage County — Bored By Patrick
Client: T.Y. Lin International BASCOR, Inc. — Checked By DOB
BORING No.: S-1 — Core Type NX Split Barrel
Station: 2+41 — Core Diameter 2.0 in.
Offset: 12.0' Right — Core Length 5.0 ft.
Surface Elevation: 656.6 — Top of Rock Elev. 642.1

Top Elev.	CORING NOTES AND ROCK DESCRIPTION	CORE RUN (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (Min./ft.)	COMPRESSIVE STRENGHT (tsf)
642.1	SILURIAN SYSTEM, NIAGARAN SERIES DOLOMITE RUN 1(-14.5' to -19.5') Light gray with horizontal bedding. Slightly porous with rust staining throughout. Weathered with numerous horizontal fractures throughout. 100.0% water recovery	1	100.0	21.7	5.0	n/a
637.1	RUN 2 (-19.5' to -24.5') Light gray with horizontal bedding. Slightly porous with rust staining throughout. Weathered with numerous horizontal fractures throughout. 100.0% water recovery	2	100.0	41.7	5.6	n/a

O'BRIEN & ASSOCIATES, INC.

TY·LIN INTERNATIONAL

DESIGNED	- SNB
CHECKED	- SP
DRAWN	- SNB
CHECKED	- SP

SOIL BORING S-1

BAILEY ROAD OVER THE
WEST BRANCH OF THE DUPAGE RIVER
FAU 1545
SECTION 00-00115-00-BR STA. 2+99.15
DUPAGE COUNTY
S.N. 022-3028