ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1545	•	DUPAGE	97	56
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. - 35
39 - SHEETS

• 00-00115-00-BR

CONTRACT NO. 83961

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

STRUCTURE FOUNDATION BORING LOG

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 12, 04
County: DuPage County — Bored By Patrick
Client: T.Y. Lin International BASCOR, Inc. — Checked By DOB
BORING No.: S-2
Station: 3+69
Offset: 30.0' Right
Surface Elevation: 656.7

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

Description	Elev.	Blow Counts	Qu (tsf)	W (%)
14.0" TOPSOIL		7		
CLAYEY SAND, GRAVEL & STONE-brown-very dense (GC)		72/5"		
		8 8	4.5+P	22
Cobbles from -26.0' to -27.5'.		NP	14	
SILTY CLAY-trace to some sand, gravel & stone-dark brown & gray spotted black-hard (CL) Fill		7		
		48		
		11 14	-	7
	-5	70/2"		
	-30	NP	8	
FRACTURED ROCK-very dense				
SILURIAN SYSTEM, NIAGARAN SERIES DOLOMITE		14		
RUN 1 (-30.5' to -35.5') Light gray with horizontal bedding. Slightly porous with rust staining throughout. Weathered with numerous horizontal & vertical fractures throughout. Recovery=100.0% RQD=16.7%		11 7	4.5+P	22
		RUN 1		
SAND & GRAVEL-brown-medium dense (GP) Fill		5 4 5	NP	12
	-10			
	-35			
RUN 2 (-35.5' to -40.5') Light gray with horizontal bedding. Slightly porous with rust staining throughout. Weathered with numerous horizontal & vertical fractures throughout. Recovery=100.0% RQD=16.7%		3 6 20	-	13
SANDY CLAY with Gravel-brown-medium dense (CL)		RUN 2		
		47 37 34	NP	6
Cobbles-very dense	-15			
	-40			
End of Boring @ -40.5' 4.25' Hollow Stem Augers to -30.5' Rotary Drilling to Completion CME-75 Automatic Hammer		15 12 19	-	13
SANDY CLAY with Gravel-brown-dense (CL)		11 30 40	NP	11
	-20			
	-45			
CLAYEY SAND, GRAVEL & STONE-brown-very dense (GC)		70/3"		
			NP	14
		70/3"		
	-25		NP	10
	-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
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)

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STRUCTURE FOUNDATION ROCK CORING LOG

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 12, 04
County: DuPage County — Bored By Patrick
Client: T.Y. Lin International BASCOR, Inc. — Checked By DOB
BORING No.: S-2 — Core Type NX Split Barrel
Station: 3+69 — Core Diameter 2.0 in.
Offset: 30.0' Right — Core Length 5.0 ft.
Surface Elevation: 656.7 — Top of Rock Elev. 626.2

Top Elev.	CORING NOTES AND ROCK DESCRIPTION	CORE RUN (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (Min./ft.)	COMPRESSIVE STRENGHT (tsf)
626.2	SILURIAN SYSTEM, NIAGARAN SERIES DOLOMITE RUN 1 (-30.5' to -35.5') Light gray with horizontal bedding. Slightly porous with rust staining throughout. Weathered with numerous horizontal & vertical fractures throughout. 100.0% water recovery	1	100.0	16.7	7.0	n/a
621.2	RUN 2 (-35.5' to -40.5') Light gray with horizontal bedding. Slightly porous with rust staining throughout. Weathered with numerous horizontal & vertical fractures throughout. 0.0% water recovery	2	100.0	16.7	7.0	n/a

O'BRIEN & ASSOCIATES, INC.

TY·LIN INTERNATIONAL

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

SOIL BORING S-2

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