F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1545	00-00115-00-BR	DuPAGE	97	94
STA. 1+31.77		TO STA. 5+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT 83961

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 13, 04
County: DuPage County — Bored By Patrick
Client: T.Y. Lin International BASCOR, Inc. — Checked By DOB
BORING No.: R-1
Station: 2+27
Offset: 11.5' Left
Surface Elevation: 656.4

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

	Blow Counts	Qu (tsf)	W (%)	Blow Counts	Qu (tsf)	W (%)
3.0" ASPHALT, 9.0" CRUSHED STONE						
	7					
	5					
	9	1.75P	18			
SILTY CLAY-some sand, gravel & stone-brown & gray spotted black-medium stiff to stiff (CL) FILL						
	3					
	4					
-5	4	1.25P	20	-30		
	2					
	4					
	4	0.5P	18			
End of Boring @ -7.5' 3.25" Hollow Stem Augers CME-75 Automatic Hammer						
-10				-35		
-15				-40		
-20				-45		
-25				-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
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 13, 04
County: DuPage County — Bored By Patrick
Client: T.Y. Lin International BASCOR, Inc. — Checked By DOB
BORING No.: R-2
Station: 3+72
Offset: 11.5' Right
Surface Elevation: 656.2

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

	Blow Counts	Qu (tsf)	W (%)	Blow Counts	Qu (tsf)	W (%)
3.0" ASPHALT, 9.0" CRUSHED STONE						
	13					
	8					
	8	NP	7			
CLAYEY SAND & STONE-brown-loose to medium dense (GC) FILL						
	4					
	4					
-5	5	NP	6	-30		
	2					
	2					
	3	0.75P	19			
SILTY CLAY-some sand, gravel & stone-brown & gray spotted black-medium stiff (CL) FILL						
	3					
	4					
TOPSOIL-black (OL) -10	5	2.0P	42	-35		
End of Boring @ -10.0' 3.25" Hollow Stem Augers CME-75 Automatic Hammer						
-15				-40		
-20				-45		
-25				-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)

O'BRIEN & ASSOCIATES, INC.

REVISIONS	
NAME	DATE

BRIDGE REHABILITATION
BAILEY ROAD OVER
WEST BRANCH OF THE DUPAGE RIVER
SOIL BORINGS R-1 AND R-2

CONSULTANT
TY·LIN INTERNATIONAL

City of Naperville

DRAWN:	SNB
CHECKED:	SP
APPROVED:	
DATE:	JULY 13, 2007
SCALE:	1"=20'-0"
JOB NO.:	C-91-062-04

SHEET NO. 94

PROJECT NO.: BHM-8003(343)