F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	•	DUPAGE	563	410
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

SHEET NO. - 13

13 - SHEETS

• 00-00114-00-PV CONTRACT NO. 63024

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

Page: 1 of 1

Project: Geotechnical Investigation For The Proposed Washington Street Pedestrian Underpass — OBA Job No.: 04303

Location: Washington Street & 75th Street, Naperville, Illinois — Date: December 15, 06

County: Cook — Bored By: RJ

Client: T.Y.Lin International — Checked By: DOB

BORING No.: TB-2

Station: 56+16

Offset: Centerline

Ground Surface Elevation: 666.3

Surface Water Elev.: n/a

Groundwater Elevation: Dry WD

Groundwater Elevation: n/a AB

After Hours:

Description	Elev. (ft)	Blows (/6")	Qu (tsf)	Moist (%)
SAND & GRAVEL with Stone (Fill)				
SILTY CLAY-trace sand & gravel-brown & gray-hard (CL) Fill		5, 5, 7	4.5P	18
SILTY CLAY-trace sand & gravel-brown-stiff (CL) Wet	-5	4, 4, 6	2.75P	26
SAND, GRAVEL & Cobbles-dense to very dense (GP)		10, 18, 22	NP	4
		20, 24, 30	NP	4
	-10	50/6"		
			NP	6
		48, 42, 50/4"	NP	4
	-15			
Silurian System, Niagaran Series Dolomite RUN 1 (-16.0' to -20.5') Light brown with rust staining. Horizontal bedding with some chert nodules. Horizontal fractures -16.4', -16.75', -17.4', -18.0', -18.6', -19.1', -19.4' & -19.75'. Recovery=88.9% RQD=60.0%	-20	RUN 1		
End of Boring @ -20.5'. Hollow Stem Augers to -16.0' Rotary Drilling to Completion CME-75 Automatic Hammer	-25			

Elev. (ft)	Blows (/6")	Qu (tsf)	Moist (%)
-30			
-35			
-40			
-45			
-50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

OBA

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SOIL BORING LOG

PAGE 1 of 1

DATE July 2, 2002

LOGGED BY RH

OBA JOB No. 01252

ROUTE xx — DESCRIPTION 75th Street and Washington Street Intersection Improvements

SECTION xx — LOCATION Naperville, Illinois

COUNTY DuPage — DRILLING METHOD 3.25' Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. xx

Station xx

BORING NO. S-1

Station 250+45 75th Street

Offset 58' Left

Ground Surface Elev. 663.8

Surface Water Elev. n/a

Stream Bed Elev. n/a

Groundwater Elevation:

First Encounter 649.5

Upon Completion n/a

After xx Hrs. n/a

Description	Elev. (ft)	Blows (/6")	Qu (tsf)	Moist (%)
SANDY TOPSOIL with GRAVEL and STONE-dark brown (Fill)		AS	NP	14
CRUSHED STONE with CLAY-medium dense (Fill)	-5	7, 12, 6	NP	14
		4, 6, 5	NP	2
SILTY CLAY-dark brown (A-6) Fill, Wet	-10	3, 3, 5	2.0P	26
CLAY LOAM-dark brown-soft (A-4/A-6) Fill		6, 8, 4	0.5P	15
		3, 2, 12	0.25P	25
	-15			
	647.8			
Run 1 (-16.0' to -21.0') Silurian System, NIAGARAN Series, Racine Formation Dolomite Lightly weathered with rust staining to -19.0'. Horizontal bedding with some chert replacement nodules. Horizontal fractures @ -16.7, -16.8, -17.1, -17.4 & -18.0. Weathered horizontal fracture zone from -18.0 to -18.8. Horizontal fractures @ -19.6, -20.0 & -20.3	-20	ROCK CORE RUN1		

Elev. (ft)	Blows (/6")	Qu (tsf)	Moist (%)
	RECOVERY = 100 % RQD = 68 %		
	Run 2 (-21.0' to -26.0') Silurian System, NIAGARAN Series, Racine Formation Dolomite Light gray & fine grained with horizontal bedding. Horizontal fractures @ -21.6, -22.9, -23.6, -23.7 & -25.4		
	RECOVERY = 100 % RQD = 98 %		
-25	ROCK CORE RUN2		
637.8			
	End of Boring @ -26.0' Hollow Stem Augers to -16.0' NX Bit Rock Coring to Completion		
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery AS-Auger Sample

REVISIONS	
NAME	DATE

BORING LOGS - 2

WASHINGTON - 75TH STREET
F.A.U. ROUTE 2552
SECTION 00-00114-00-PV
DUPAGE COUNTY

T·Y·LIN INTERNATIONAL

DESIGNED	-
CHECKED	- SP
DRAWN	- TB
CHECKED	- SP