F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	•	DUPAGE	563	409
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. - 12
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: Supplemental Phase 2 Geotechnical Investigation For The Proposed 75th Street and Washington Street Intersection Improvements
OBA Job No.: 07546
Location: Washington Street & 75th Street, Naperville, Illinois
Date: 10/29/2007
County: Cook
Bored By: RH
Client: T.Y. Lin International
Checked By: DOB

BORING No.: RW-07-05
Station: 149+50 (75th Street)
Offset: 84.5' Left
Ground Surface Elevation: 665.8

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4.0" TOPSOIL-black	665.5		AS	-	23
CLAY-brown-very stiff (A-6) Fill			6		
			8		
			6	3.5P	15
	662.3				
			4		
			13		
		-5	13	NP	14
SAND, GRAVEL & FRACTURED ROCK-brown-medium dense to very dense (A-1)			50/6"		
				NP	8
Possible cobbles or boulders from -6.0' to -12.5'.			34		
			50/2"		
		-10		NP	5
			50/3"		
	653.3			NP	10
Drillers Observation: Fractured rock.	652.3				
Silurian System, Niagaran Series Dolomite RUN 1 (-13.5' to -23.5')		-15	RUN 1		
Porous & weathered with rust staining & some chert nodules to -22.2', becoming fine grained & light gray with horizontal bedding. Numerous horizontal fractures throughout. No vugs or vertical fractures encountered.					
Recovery=100.0% R.Q.D.=55.5%		-20			
	642.3				
		-25			

End of Boring @ -23.5'
Hollow Stem Augers to -10.0'
Rotary Drilling to Completion
CME-Automatic Hammer

DEPTH (ft)	BLOWS (/6")	UCS 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

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SOIL BORING LOG

PAGE 1 of 1
DATE July 18, 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. RW-1
Station 451+30 Washington Street
Offset 74' Left
Ground Surface Elev. 663.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion n/a
After xx Hrs. xx ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY SAND, GRAVEL & STONE-black-medium dense (Fill)			5		
			5		
			6	NP	14
			30		
			32		
		-5	46	NP	3
FRACTURED STONE & GRAVEL-brown-very dense (A-1-a)			32		
			34		
			40	NP	5
			39		
			32		
		-10	43	NP	10
Run 1 (-11.0' to -16.0') Silurian System, NIAGARAN Series, Racine Formation Dolomite Well weathered with dark rust staining & numerous horizontal fractures throughout. Very porous with some large chert replacement nodules.			ROCK CORE RUN1		
RECOVERY = 100 % RQD = 64. %		-15			
Run 2 (-16.0' to -21.0') Silurian System, NIAGARAN Series, Racine Formation Dolomite Weathered with rust staining & chert nodules to -16.5' becoming light gray & fine grained with horizontal bedding. Horizontal fractures @ -16.5', -16.9', -17.5', -18.1', -18.4', -18.8', -19.2' & -20.1'.			ROCK CORE RUN2		
RECOVERY = 90 % RQD = 80 %		-20			

...continued 642.0

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	RUN2		
End of Boring @ -21.0' Hollow Stem Augers to -11.0' NX Bit Rock Coring to Completion			
-25			
-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

T·Y·LIN INTERNATIONAL

DESIGNED	-
CHECKED	- SP
DRAWN	- TB
CHECKED	- SP

REVISIONS	
NAME	DATE

BORING LOGS - 1

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