F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	•	DUPAGE	563	396
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. - 17
18 - 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: 11/2/2007
County: Cook
Bored By: RH
Client: T.Y. Lin International
Checked By: DOB

BORING No.: RW-07-03
Station: 146+40 (75th Street)
Offset: 83.5' Left
Ground Surface Elevation: 665.9

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	665.6		AS	-	14
CLAY-dark brown-medium dense (A-6) Fill	662.9		10 10 10	-	13
SAND, GRAVEL & FRACTURED ROCK-brown-medium dense (A-1)	657.9	-5	5 8 13 7 5 5	NP	4 NP	2
CLAYEY SAND & GRAVEL-brown-medium dense (A-2)	654.9	-10	15 11 9	NP	13
Drillers Observation: Fractured rock.	653.9		50/1"		
Drillers Observation: Apparent bedrock.	652.9				NR
Silurian System, Niagaran Series Dolomite RUN 1 (-13.0' to -23.0') Porous & weathered with rust staining & some chert nodules to -19.9', becoming fine grained & light gray with horizontal bedding. Numerous horizontal fractures throughout. No vugs or vertical fractures encountered. Recovery=98.75% R.Q.D.=51.5%	642.9	-20	RUN 1		
End of Boring @ -23.0' Hollow Stem Augers to -10.0' Rotary Drilling to Completion CME-Automatic Hammer		-25			

Elev.	Depth (ft)	Blows (/6")
	-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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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: 11/1/2007
County: Cook
Bored By: RH
Client: T.Y. Lin International
Checked By: DOB

BORING No.: RW-07-04
Station: 147+15 (75th Street)
Offset: 67.5' Left
Ground Surface Elevation: 664.2

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	663.9		AS	-	23
CLAY-dark brown-stiff (A-6) Fill	661.2		6 5 4	1.75P	16
SAND, GRAVEL & FRACTURED ROCK-brown-medium dense to very dense (A-1)		-5	4 6 8 10 20 27	NP	8 NP	6
Possible cobbles or boulders from -7.0' to -11.0'.		-10	20 37 30	NP	4
Drillers Observation: Apparent bedrock.	652.2				
Silurian System, Niagaran Series Dolomite RUN 1 (-12.0' to -22.0') Porous & weathered with rust staining & some chert nodules to -19.75', becoming fine grained & light gray with horizontal bedding. Numerous horizontal fractures throughout. No vugs or vertical fractures encountered. Recovery=100.0% R.Q.D.=53.0%	642.2	-20	RUN 1		
End of Boring @ -22.0' Hollow Stem Augers to -10.0' Rotary Drilling to Completion CME-Automatic Hammer		-25			

Elev.	Depth (ft)	Blows (/6")
	-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

T·Y·LIN INTERNATIONAL

DESIGNED	-
CHECKED	- SP
DRAWN	- TB
CHECKED	- SP

REVISIONS	
NAME	DATE

BORING LOGS - 2

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