F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	•	DUPAGE	563	440
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. - 30
30 - 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

SOIL BORING LOG

PAGE 1 of 1
DATE July 1-2, 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-2
Station 250+88 75th Street
Offset 40' Right
Ground Surface Elev. 663.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 649.1
Upon Completion n/a
After xx Hrs. xx ft

Description	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
SANDY TOPSOIL w/ GRAVEL and STONE (FILL)				
CLAYEY SAND-stone and crushed concrete-medium dense (FILL)		15, 14, 10	NP	1
CLAY LOAM-dark brown-loose A-4 (FILL)	-5	3, 2, 2	NP	22
SILTY CLAY-dark brown-stiff (A-4/A-6) Wet		2, 3, 5	1.75P	30
FRACTURED STONE-brown-dense to very dense (A-1-a)	-10	15, 22, 50/5"	NP	4
		11, 20, 21	NP	15
	-15	28, 17, 16	NP	17
		50/1"		NR
Run 1 (-18.0' to -23.5') Silurian System, NIAGARAN Series, Racine Formation Dolomite Lightly weathered with rust staining	-20	ROCK CORE RUN1		
throughout. Fine grained with horizontal bedding. Horizontal fractures @ -18.4' & -19.2'. Vertical fracture from -19.2' to -20.0'. Horizontal fractures @ -20.9', -21.5', -21.9' & -23.0'. RECOVERY = 100 % RQD= 86 %		ROCK CORE RUN1		
Run 2 (-23.5' to -28.5') Silurian System, NIAGARAN Series, Racine Formation Dolomite Lightly weathered with rust staining to -24.8'. Horizontal fractures @ -24.2', -24.5' & -25.5'. Horizontal fracture zone from -26.3' to -26.5'. Horizontal fractures at -27.0', -27.2' & -27.5'. RECOVERY = 100 % RQD = 88 % 634.9	-25	ROCK CORE RUN2		
End of Boring @ -28.5' Hollow Stem Augers to -18.0' 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

LOG OF BORING NO. B-15

CLIENT
T.Y. Lin International/Bascor

STATION AND OFFSET-WASHINGTON STREET
Station: 466+10
Offset: 9' Left

PROJECT LOCATION
75th Street and Washington Street
Naperville, Illinois

PROJECT DESCRIPTION
Subsurface Investigation for the 75th Street and Washington Street Intersection Improvements

UNCONFINED COMPRESSIVE STRENGTH TONS/FT.^{2}
CALIBRATED PENETROMETER TONS/FT.^{2}
WATER CONTENT %
STANDARD "N" PENETRATION (BLOWS/FT.)

Depth (ft.) below ground surface	Sample number	Sample type	Sample distance	Sample recovery	Description of material	Unit dry wt. lbs./ft.^{3}
					GROUND SURFACE ELEVATION 655.2	
	1	GS		AS	15.0" ASPHALT	
	2	GS		AS	CRUSHED STONE (FILL)	
5.0	3	SS			SANDY LOAM-brown-medium dense (A-2-6) FILL	
	4	SS			Possible Boulder or Bedrock 648.2	
10.0					END OF BORING	

WATER LEVEL OBSERVATIONS	
W.L.	Dry WD
W.L.	Dry AB
W.L.	
W.L.	

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BORING STARTED	June 4, 2002		
BORING COMPLETED	June 4, 2002		
RIG	D-25	FOREMAN	RH
DRAWN	RWC	APPROVED	DOB
JOB No.	01252	SHEET	1 OF 1

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TY·LIN INTERNATIONAL

DESIGNED	-
CHECKED	- SP
DRAWN	- TB
CHECKED	- SP

REVISIONS	
NAME	DATE

BORING LOGS - 5

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