



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

Project: Geotechnical Investigation For The Proposed Washington Street Pedestrian Underpass OBA Job No.: 04303  
 Location: Washington Street & 75th Street, Naperville, Illinois Date: March 17, 2006  
 County: Cook Bored By: FB  
 Client: T.Y. Lin International Checked By: DOB

BORING No.: <u>TB-1</u>	Station: <u>54+66</u>	Offset: <u>12.5' Left</u>	Ground Surface Elevation: <u>665.2</u>	Surface Water Elev.: <u>n/a</u>	Groundwater Elevation: <u>Dry WD</u>	Groundwater Elevation: <u>n/a AB</u>	After Hours	DEPTH (ft)	CORRECTED DEPTH (ft)	SPT (blows)	Q <sub>u</sub> (tsf)	Q <sub>u</sub> (ksi)	Q <sub>u</sub> (ksi)	Q <sub>u</sub> (ksi)
TOPSOIL														
SILTY CLAY-trace sand & gravel-dark brown-stiff (CL) Wet														
SAND & GRAVEL-dense to very dense (GP)														
Drillers Observations: Cobbles from -8.5' to -11.0'.														
Drillers Observations: Apparent weathered bedrock.														
Silurian System, Niagaran Series Dolomite RUN 1 (-14.0' to -19.0') Light brown with rust staining. Horizontal bedding with some chert nodules. Highly fractured & weathered to -14.25'. Horizontal fractures -14.8', -15.25', -15.3', -15.4', -15.7', -16.2', -16.6', -16.9' & -17.6'. Recovery=93.3% RQD=71.7%														
End of Boring @ -19.0'. Hollow Stem Augers to -14.0' Rotary Drilling to Completion D-50 Safety Hammer														

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 (ASTM D 1586) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
 NR-No Recovery



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## STRUCTURE FOUNDATION BORING LOG

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.: <u>TB-2</u>	Station: <u>56+16</u>	Offset: <u>Centerline</u>	Ground Surface Elevation: <u>666.3</u>	Surface Water Elev.: <u>n/a</u>	Groundwater Elevation: <u>Dry WD</u>	Groundwater Elevation: <u>n/a AB</u>	After Hours	DEPTH (ft)	CORRECTED DEPTH (ft)	SPT (blows)	Q <sub>u</sub> (tsf)	Q <sub>u</sub> (ksi)	Q <sub>u</sub> (ksi)	Q <sub>u</sub> (ksi)
SAND & GRAVEL with Stone (Fill)														
SILTY CLAY-trace sand & gravel-brown & gray-hard (CL) Fill														
SILTY CLAY-trace sand & gravel-brown-stiff (CL) Wet														
SAND, GRAVEL & Cobbles-dense to very dense (GP)														
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%														
End of Boring @ -20.5'. Hollow Stem Augers to -16.0' Rotary Drilling to Completion CME-75 Automatic Hammer														

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 (ASTM D 1586) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
 NR-No Recovery

**TYLIN INTERNATIONAL**

DESIGNED	- TB
CHECKED	- SP
DRAWN	- TB
CHECKED	- SP

REVISIONS	
NAME	DATE

### PEDESTRIAN TUNNEL BORING LOGS

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