



O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAVIS ST./ARLINGTON HTS., IL 60005
(647)398-1441 • FAX(647) 398-2376

SOIL BORING LOG

PAGE 1 of 1
DATE October 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 Rotary Wash HAMMER TYPE CME Automatic

STRUCT. NO. xx Station xx
BORING NO. S-5
Station 251+12 75th Street
Offset 3' Left
Ground Surface Elev. 664.6

DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After	Hrs.
(ft)	(/6")	(tsf)	(%)							

Existing Bridge Deck

Blind Drill

Run 1 (-21.0' to -26.0')
Silurian System, Niagaran Series, Racine Formation Dolomite. Light gray with rust staining to -22.6'. Fine grained with horizontal bedding. Weathered horizontal fractures @ -21.2', -21.3', -21.4', -21.5', -21.9', -22.2' & -22.4'. Horizontal fracture with thin clay parting @ -23.1'. Horizontal fractures @ -23.2', -24.0' & -24.9'. Horizontal fracture with thin clay parting @ -25.8'. Horizontal fracture @ -25.8'. RECOVERY = 100 % RQD = 62.5 %

Run 2 (-26.0' to -31.0')
Silurian System, Niagaran Series, Racine Formation Dolomite. Light gray with rust staining from -27.0' to -28.0'. Fine grained with horizontal bedding. Horizontal fractures @ -26.75', -27.25', -27.6', -27.7', -28.3', -28.4', -28.6', -28.8', -29.0', -29.1', -29.5', -29.7', -29.9', -30.1' & -30.7'. RECOVERY = 100 % RQD = 61.7 %

End of Boring @ -31.0'
Rotary Drilling Methods
21' Casing Used
CME Automatic Hammer

DuPage River

SAND, GRAVEL & FRACTURED ROCK - brown & gray-medium dense to very dense (GP)	5									
	8									
	10	NP								
	7									
	10									
	20	12	NP	12						

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



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SOIL BORING LOG

PAGE 1 of 1
DATE September 26, 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 Rotary Wash HAMMER TYPE CME Automatic

STRUCT. NO. xx Station xx
BORING NO. S-6
Station 251+75 75th Street
Offset 3' Left
Ground Surface Elev. 663.6

DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After	Hrs.
(ft)	(/6")	(tsf)	(%)							

Existing Bridge Deck

Blind Drill

Run 1 (-23.0' to -28.0')
Silurian System, Niagaran Series, Racine Formation Dolomite. Light gray with rust staining throughout. Fine grained with horizontal bedding. Horizontal fractures @ -23.3' & -24.0'. Weathered horizontal fracture @ -24.25'. Horizontal fractures @ -24.9', -25.1', -25.9', -26.3', -26.4' & -26.9'. RECOVERY = 100 % RQD = 81.7 %

Run 2 (-28.0' to -33.0')
Silurian System, Niagaran Series, Racine Formation Dolomite. Light gray & fine grained with horizontal bedding. Horizontal fracture zone from -28.3' to -28.8'. Horizontal fractures @ -29.1' & -29.4'. Horizontal fracture zone from -30.0' to -30.7'. Horizontal fracture @ -30.8'. RECOVERY = 80 % RQD = 47.5 %

End of Boring @ -33.0'
Rotary Drilling Methods
23' Casing Used
CME Automatic Hammer

DuPage River

Drillers Observation: SAND, GRAVEL & FRACTURED ROCK - medium dense to very dense (GP)	50/5'									
	6									
	8									
	20	12	NR							

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

TYLIN INTERNATIONAL

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

REVISIONS	
NAME	DATE

BORING LOGS - III

75th STREET OVER THE
WEST BRANCH OF THE DUPAGE RIVER
FAP 369
SECTION 00-00114-00-PV STA. 151+38.03
DUPAGE COUNTY
S.N. 022-3118