

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP	SECTION	COUNTY	JOB NO.	SHEET NO.	SHEET NO. 9
337	20R-5	LAKE	562	451	9 SHEETS
FED. ROAD DIST. NO. 7		BLINDS		FED. AID PROJECT	
D-91-552-99		Contract No. 60881			

OBA
O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
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STRUCTURE FOUNDATION
BORING LOG

Sh 1 of 1

Project: Subsurface Investigation for the Proposed IL Route 22 Reconstruction
Route: F.A.P. Route 337, County Lake
Location: IL Route 83 to U.S. Route 41, Lake County IL
IDOT Job No. P-91-552-99

Station: 104+503
Offset: 11.0m Left

Job No. 00458
Date: 3-7-01
Bored By: Patrick
Checked By: DOB

BORING NO. B-10	Station	Offset	Depth (m)	R (mm)	Qu (kPa)	W (%)	Surface Water Elev. (m)	Groundwater Depth (m)	Groundwater Depth (m) After	N/A	WD	Dry	AB	Hours	Flow	C	R	Qu (kPa)	W (%)
Ground Surface Elevation: 200.0																			
Poorly Graded SAND & GRAVEL-brown (Fill)																			
SANDY CLAY to CLAY-brown & black-very stiff (A-6) Fill																			
Appx Invert elevation: 199.74																			
CLAY-trace organics-brown & black-stiff to very stiff (A-6) Fill Wet																			
CLAY-brown-hard (A-6)																			
CLAY-gray-very stiff (A-6)																			
SILTY CLAY LOAM-gray-hard (A-4/A-6)																			
CLAY-gray-hard (A-6)																			
Possible cobbles and/or boulders at -6.0m																			
Fine SAND-gray-medium dense to very dense (A-3)																			

N-Standard Penetration Test (ASTM D-1586) Type Failure
R-Recovery in inches
NR-No Recovery
B-Bulge Failure
E-Estimated Value
P-Penetrometer
S-Shear Failure
W-Water Content, percent dry weight
Italics above w2
Qu-Unconfined Compressive Strength (kPa) (lbf/ft²) noted in
NP-Non-Plastic

TYLINT INTERNATIONAL

DESIGNED	MAF
CHECKED	MI
DRAWN	MAF
CHECKED	MI
DATE	03-22-2004

BORING LOGS

IL ROUTE 22 OVER
INDIAN CREEK TRIBUTARY
FAP 337 SECTION 20R-5
LAKE COUNTY
STA. 104+504.000
S.N. 049-C002