



# SOIL BORING LOG

GSI Job No. 10025  
Page 3 of 3  
Date 3/25/13

ROUTE FAP 373 (IL 171) DESCRIPTION IL Route 171 from 47th St. to 55th St. LOGGED BY JZ  
SECTION 2013-038B-R LOCATION NW 1/4, SEC. 13, TWP. T38N, RNG. R12E, 3<sup>rd</sup> PM  
COUNTY Cook DRILLING METHOD MUD ROTARY HAMMER TYPE CME Automatic

STRUCT. NO. 016-0488  
Station 22+90.24  
BORING NO. SB-63  
Station 22+57  
Offset 58.90ft Left  
Ground Surface Elev. 627.10 ft  
Surface Water Elev. n/a ft  
Stream Bed Elev. n/a ft  
Groundwater Elev.:  
First Encounter n/a ft  
Upon Completion n/a ft  
After Hrs. n/a ft

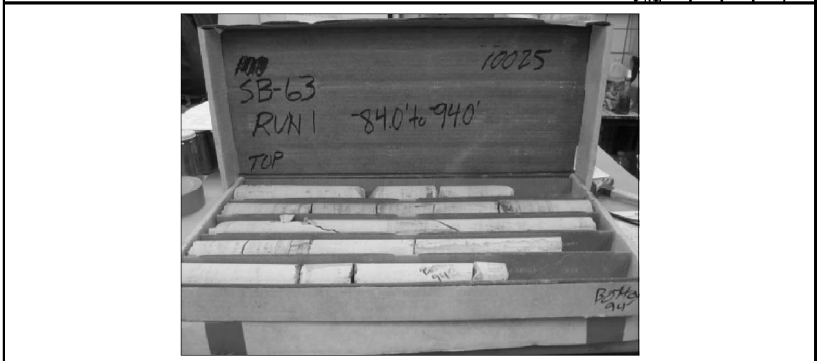
DEPTH (ft)	SOIL DESCRIPTION	BLOWS (6")	UNSAT. WGT. (tsf)	MOIST. (%)
0 - 543.10	CLAYEY SAND, GRAVEL & FRACTURED ROCK (continued)			
543.10	Borehole continued with rock coring.			
-85				
-90				
-95				
-100				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, from 137 (Rev. 8-99)

# ROCK CORE LOG

PAGE 1 of 1  
DATE 3/25/2013  
LOGGED BY JK  
GSI JOB No. 10025  
FAP Rte. 373 (IL 171) DESCRIPTION 1st Ave. Bridge Rehabilitation & Replacement, 47th St. to 55th St.  
SECTION 2013-038B-R LOCATION SEC 11, 12, 13 & 14 T 38 N R 12 E 3rd PM  
COUNTY Cook CORING METHOD Rotary Wash  
STRUCT. NO. 016-0488  
Station 22+90.24  
BORING NO. SB-63  
Station 22+57  
Offset 58.9' Left  
Ground Surface Elev. 627.1

DEPTH (ft)	CORRECTION (%)	RECOVERY (%)	RQD (%)	CHISEL POINT (min)	STRENGTH (tsf)
1	87.0	66.0	n/a	38.0	94.0



Color pictures of the cores Yes Cores will be stored for examination for -  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)



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SECTION 2013-038B-R LOCATION NW 1/4, SEC. 13, TWP. T38N, RNG. R12E, 3<sup>rd</sup> PM  
COUNTY Cook DRILLING METHOD MUD ROTARY HAMMER TYPE CME Automatic

STRUCT. NO. 016-0488  
Station 22+90.24  
BORING NO. SB-64  
Station 23+39  
Offset 58.90ft Left  
Ground Surface Elev. 627.50 ft  
Surface Water Elev. n/a ft  
Stream Bed Elev. n/a ft  
Groundwater Elev.:  
First Encounter n/a ft  
Upon Completion n/a ft  
After Hrs. n/a ft

DEPTH (ft)	SOIL DESCRIPTION	BLOWS (6")	UNSAT. WGT. (tsf)	MOIST. (%)
0 - 626.75	9.0' CONCRETE BRIDGE DECK			
626.75 - 599.50	VOID			
599.50 - 595.50	SILTY CLAY LOAM-gray-medium dense			
595.50 - 612.50	CLAY-brown & gray-stiff to very stiff			
612.50 - 612.00	8.0' CONCRETE SLOPE WALL			
612.00 - 610.00	CLAY to CLAY LOAM-dark brown & gray-stiff (Fill)			
610.00 - 607.00				
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BBS, from 137 (Rev. 8-99)



Alfred Benesch & Company  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450 Job No. 10093

DESIGNED - CMK	REVISED -
CHECKED - JAW	REVISED -
DRAWN - CMK	REVISED -
CHECKED - JAW	REVISED -

STATE OF