



SOIL BORING LOG

GSI Job No. 10025
 Page 1 of 1
 Date 5/3/12

ROUTE FAP 372 (IL 171) DESCRIPTION IL Route 171 from 47th St. to 55th St. LOGGED BY RR
 SECTION 2013-038B-R LOCATION SE 1/4, SEC. 11, TWP. T38N, RNG. R12E, 3rd PM
 COUNTY Cook DRILLING METHOD MUD ROTARY HAMMER TYPE CME Automatic

STRUCT. NO. 016-2457 D E P T H B L O W S U C S Qu M O I S T
 Station 58+29.83 Surface Water Elev. n/a ft D E P T H B L O W S U C S Qu M O I S T
 BORING NO. SB-23 Groundwater Elev.: Stream Bed Elev. n/a ft
 Station 55+44 First Encounter n/a ft
 Offset 53.20ft Left Upon Completion n/a ft
 Ground Surface Elev. 623.30 ft After Hrs. ft

DEPTH (ft)	BLOW (ft)	UCS (tsf)	Qu (%)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)
0					622.55					
0										
5										
10										
15										
20										
25										
28										
30										
35										
40										

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 5/3/2012
 LOGGED BY JK
 GSI JOB No. 10025

ROUTE FAP 372 (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. 016-2457 CORING BARREL TYPE & SIZE NX Double Swivel-10 ft
 Station 58+29.83 Core Diameter 2.0 in
 BORING NO. SB-23 Top of Rock Elev. 589.8
 Station 55+44 Begin Core Elev. 589.8
 Offset 53.2' Left
 Ground Surface Elev. 623.3

DEPTH (ft)	Core Diameter (in)	Core Length (ft)	Core Weight (lb)	Core Volume (cu ft)	Core Strength (tsf)
1	100.0	54.0	n/a	33.9	
38.5					
43.5					



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)



FILE NAME = 0162457.60J16.083.Soil Boring Logs 2.dgn
 USER NAME = ksnider
 PLOT SCALE =
 PLOT DATE = 12/28/2013

DESIGNED - FSM	REVISED -
CHECKED - RMM	REVISED -
DRAWN - FSM	REVISED -
CHECKED - RMM	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS - PIER 6
 STRUCTURE NO. 016-2457
 SHEET NO. SD83 OF SD83 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	2013-038B-R	COOK	821	458
CONTRACT NO. 60J16			ILLINOIS FED. AID PROJECT	

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