



SOIL BORING LOG

GSI Job No. 10025

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Date 3/12/12

ROUTE FAP 373 (IL 171) DESCRIPTION IL Route 171 from 47th St. to 55th St. LOGGED BY JZ
 SECTION (0707-608&611)HB-B & 0707-608HB-B-1 LOCATION SW 1/4, SEC. 12, TWP. T38N, RNG. R12E, 3rd PM
 COUNTY Cook DRILLING METHOD HSA/MUD ROTARY HAMMER TYPE CME Automatic

DEPT H	LOC S	UCS Qu	MOIST	Surface Water Elev. n/a ft	DEPT H	LOC S	UCS Qu	MOIST
(ft)	(6")	(tsf)	(%)	Stream Bed Elev. n/a ft	(ft)	(6")	(tsf)	(%)
18.0				593.30				
20					21			
15		5			50/5"	2.0	12	
15						B		
600.80								
2					51			
5		3.0	15		50/3"	4.5	10	
5		P				P		
-5				578.30	-25			
5					50/3"			
8		4.5	17			4.5	13	
7		P				P		
5					50/4"			
5		2.3	13			4.5	9	
5		B				P		
-10				593.30	-30			
13								
10					43			
5					50/4"	4.0	10	
10						P		
3				568.80	-35			
8								
-15								
17				567.80				
11								
13								
15								
6								
8								
-20								

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

Geotechnical, Environmental & Civil Engineering
 805 Amherst Court, Suite 204
 Naperville, Illinois 60565
 (630) 355-2838

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DATE 3/12/2012

LOGGED BY DR

GSI JOB No. 10025

ROUTE FAP 373 (IL 171) DESCRIPTION 1st Ave. Bridge Rehabilitation & Replacement, 47th St. to 55th St.
 SECTION (0707-608&611) HB-B & 0707-608HB-B-1 LOCATION SEC 11, 12, 13 & 14 T 38 N, R 12 E, 3rd PM
 COUNTY Cook CORING METHOD Rotary Wash

STRUCT. NO. 016-1510 & 016-1511 CORING BARREL TYPE & SIZE NX Double Swivel-10 ft
 Station 41+24.39 Core Diameter 2.0 in
 BORING NO. SB-35 Top of Rock Elev. 588.8
 Station 41+04 Begin Core Elev. 587.8
 Offset 77.3' Right
 Ground Surface Elev. 603.8

DEPTH (ft)	CORRECTION (%)	RECORDED (%)	RECORDED (min)	CORRECTED (tsf)	STRENGTH (tsf)
1	98.5	35.0	n/a	38.0	38.0

SILURIAN SYSTEM, NIAGARAN SERIES DOLOMITE
 RUN 1 (-36.0' to -46.0')
 Light gray with horizontal to wavy bedding. Weathered with numerous horizontal & vertical fractures throughout.

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)



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

FILE NAME =	USER NAME = ksnider	DESIGNED - KMS	REVISED -
0161510.60W77.040_Soil.Boring.ISB 351.dgn		CHECKED - JHG	REVISED -
		DRAWN - KMS	REVISED -
		CHECKED - JHG	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS (3 OF 6)
 STRUCTURE NO. 016-1510**

SHEET NO. SA40 OF SA43 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
373	(0707-608&611)HB-B	COOK	177	105
CONTRACT NO. 60W77				
ILLINOIS FED. AID PROJECT				