

SOIL BORINGS SN 6S084I072L104.2



Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Page 1 of 1

Date 10/7/11

ROUTE I-72 DESCRIPTION Overhead Sign Truss LOGGED BY M. Tappan
SECTION D 6 OVD SIN STR REPL 12-23 LOCATION SW 1/4, SEC. 29, TWP. 16N, RNG. 4W, 3 PM
COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 65084I072L104.2 Station +/- 65+00
BORING NO. 2 N. Shoulder Station 64+87 Offset 110.0ft Left Ground Surface Elev. 542.2 ft
Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
 First Encounter ft
 Upon Completion Cored ft
 After 240 Hrs. 538.2 ft

DEPTH (ft)	BLOWS	UCS	MOISTURE (%)	DESCRIPTION
0				Gray and Brown Dry SILTY CLAY (Till)
1				
2	.70	20		
3	B			
538.70				Tan Dry Shaley CLAY
6	3	9		
7	P			
538.20				Brown and Gray Very Weathered Clayey SHALE
9				
30		9		
47				
100				
532.70				Gray Dry Fissile Clayey SHALE
75		8		
-10				Borehole continued with rock coring.
-20				

File Name: S:\SOILBORING\SOILBORING TRUSS 65084I072L104.2.GPJ Data Template DISTRICT 6.DAT Date Printed 10/27/11
Location: 39.44544N Longitude 89.34176W Datum: NAD83 Job Number: C-0605-12

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced by Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-89)



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ROCK CORE LOG

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Date 10/7/11

ROUTE I-72 DESCRIPTION Overhead Sign Truss LOGGED BY M. Tappan
SECTION D 6 OVD SIN STR REPL 12-23 LOCATION SW 1/4, SEC. 29, TWP. 16N, RNG. 4W, 3 PM
COUNTY Sangamon CORING METHOD Water

STRUCT. NO. 65084I072L104.2 Station +/- 65+00
BORING NO. 2 N. Shoulder Station 64+87 Offset 110.0ft Left Ground Surface Elev. 542.2 ft
CORING BARREL TYPE & SIZE NXBWL
Core Diameter 1.875 in
Top of Rock Elev. 6.00 ft
Begin Core Elev. 532.70 ft

DEPTH (ft)	CORING METHOD	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)	DESCRIPTION
532.70	-10	1	92	41		Gray Poorly Indurated Calcareous SHALE Interbedded with Gray Poorly Indurated Clayey SHALE seams Closed Jointing 2" - 12"
528.90						Grayish Brown Poorly Indurated Argillaceous LIMESTONE Very Broken with Vertical Open Joints. <2" Spacing
528.30						Gray Well Indurated Sandy Calcareous SHALE with Dark Banding Throughout Joint Spacing 2" - 12" Open Jointing
522.90					152.3	
-20						

*NOTE: Could not get a 4" sample from top 5' of core for compressive strength sample.

Compressive Strength Samples:
S# 2-1 = 17.8 - 18.3

STA'S and ELEV'S Provided by Dist. 6 Survey's

ROCK CORE SOIL TRUSS 65084I072L104.2.GPJ DISTRICT 6.DAT 10/27/11

Color pictures of the cores Yes, On File
Cores will be stored for examination until 5 Years after Construction
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
RQD is the ratio of the total length of sound core specimens >4" to total length of core run BBS, form 138 (Rev. 8-89)

FILE NAME = S:\Sign Truss Plan Details\46196\461965	USER NAME = copenbergerda	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	VAR	D-6_OVDOSINIGREPL12-23	SANGAMON	33	32A
		CHECKED -	REVISED -		CONTRACT NO. 46196							
		DATE	REVISED		ILLINOIS/FED. AID PROJECT							