Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/9/09

ROUTE FAP 332 (IL 1) **DESCRIPTION** Crawfish Creek **LOGGED BY** E. Sandschafer

SECTION (12-B2)BR **LOCATION** East 1/2, **SEC.** 5, **TWP.** 1 S, **RNG.** 12 W, 3 **PM**

COUNTY Wabash **DRILLING METHOD** Hollow stem auger & split spoon **HAMMER TYPE** Auto 140#

STRUCT. NO. 093-0003
Station 135+50

BORING NO. 1 S Abut
Station 134+24
Offset 7.00ft Rt
Ground Surface Elev. 409.44 ft

Surface Water Elev. 395.70 ft
Stream Bed Elev. 384.58 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion 400.0 ft
After 144 **Hrs.** 407.7 ft

Description	Elev. (bottom of layer)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6 5/8" asphalt on 11 3/4" concrete pavement.	407.94				
Very stiff, damp, gray, CLAY.			1		
			3	2.8	20
	404.94		4	BS	
Stiff, damp, gray marbled brown, SILTY CLAY w/ wood splinters.		-5	2		
			5	1.4	23
	402.44		7	B	
Stiff, damp, gray mottled brown, CLAY LOAM.			2		
			3	1.4	14
	401.04		3	B	
Gray, SANDY LOAM.	399.94				
Medium, damp, red, CLAY LOAM.		-10	2		
			2	0.9	18
	397.44		2	B	
Medium, damp, gray, LOAM.			0		
			1	0.9	19
			2	B	
	394.44	-15	3		
Brown, SANDY LOAM.			2	0.4	23
	393.54		2	S	
Brown, SANDY CLAY.	392.44				
Soft to very soft, very damp, gray, SILTY LOAM.			0		
			0	0.3	24
			2	B	
		-20	0		
Soft to very soft, very damp, gray, SILTY LOAM. *(continued)*			0	0.2	22
			1	B	
			0		
			0	0.2	23
			1	B	
		-25	2		
	384.14		2	0.3	24
Very soft, blue to red, SANDSTONE.			20	B	
	382.44				
Very dense, moist, tan, SANDSTONE.			50		
			50/2"		19
			50/1"		
	379.34	-30	50/5"		
Borehole continued with rock coring.			50/2"		16
			50/1"		
		-35			
		-40			

Latitude W 87 deg 45.991 min, Longitude N 38 deg 27.459 min, Map Datum WGS 84

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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

Date 4/9/09

ROUTE FAP 332 (IL 1) **DESCRIPTION** Crawfish Creek **LOGGED BY** E. Sandschafer

SECTION (12-B2)BR **LOCATION** East 1/2, **SEC.** 5, **TWP.** 1 S, **RNG.** 12 W, 3 **PM**

COUNTY Wabash **CORING METHOD** Rotary, surf set diamond bit

STRUCT. NO. 093-0003
Station 135+50

BORING NO. 1 S Abut
Station 134+24
Offset 7.00ft Rt
Ground Surface Elev. 409.44 ft

CORING BARREL TYPE & SIZE NW
Core Diameter 2.06 in
Top of Rock Elev. 384.14 ft
Begin Core Elev. 379.34 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Light brown to tan, slightly weathered, SANDSTONE. *Rock core B1C1 from 30.7' to 31.2' = 106 tsf.* *Black, Coal lense* *Severe weathered layer*	379.34 – 374.34	-35	B1C1	82	55	0.2	
Light brown, slightly weathered, SANDSTONE. *Rock core B1C2 from 39.0' to 39.5' = 158 tsf.*	369.34	-40	B1C2	100	54	0.2	
Light brown, slightly weathered, SANDSTONE. *Rock core B1C3 from 41.2' to 41.7' = 164 tsf.*	364.34	-45	B1C3	100	69	0.3	
Extent of exploration. Benchmark: BM 313 Chiseled square on SW corner of existing bridge = 410.12' elevation. Provided by Program Development.		-50					

Color pictures of the cores Available on request
Cores will be stored for examination until 04/09/13
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

PRINT DRIVER = I_PD_E_B_0.plt
PEN TABLE = IDOT_VER02.TBL
MODEL NAME = PLOT
FILE NAME = 0930025-74219-27-Soil.dgn

ESCA CONSULTANTS, INC. CIVIL & STRUCTURAL ENGINEERS

USER NAME = has	DESIGNED - ELH 05/11	REVISED -	
ESCA PROJECT NO. 933.14	CHECKED - RDP 04/13	REVISED -	
PLOT SCALE = 0:2 ':" / IN.	DRAWN - DWH 05/11	REVISED -	
PLOT DATE = 6/10/2014 8:54:21 AM	CHECKED - ELH 05/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 093–0025

SHEET NO. 27 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(12,B2)B-1	WABASH	68	47

CONTRACT NO. 74219

ILLINOIS FED. AID PROJECT