



SOIL BORING LOG

Date 10/05/10

ROUTE 331 DESCRIPTION IL Route 13 over BNSF Railroad near Marathon Drive LOGGED BY KEG

SECTION (1X-1)VB-1 LOCATION Marion, SECS. 10SW & 15NW, TWP. 9S, RNG. 2E

COUNTY Williamson DRILLING METHOD CME 550/HSA HAMMER TYPE Automatic

STRUCT. NO. 100-0093(WB)0094(EB) Station	DEPTH (ft)	BLOW COUNT (blows/ft)	UCS (tsf)	MOISTURE (%)	Surface Water Elev. ft	Stream Bed Elev. ft	DEPTH (ft)	BLOW COUNT (blows/ft)	UCS (tsf)	MOISTURE (%)
SB-26 1745+63.80 47.0 ft Rt 444.10 ft										
GRASS & TOPSOIL - 12 inches	443.1						423.8			
FILL: Brown, silt (A-4)	2	4.5	11					4	3.0	19
CLAY: Gray and brown (A-7) (poor recovery)	2	1.8	25				421.1	4	1.1	18
SILTY CLAY: Brown and gray (A-6) (poor recovery)	2	1.0	23				417.6	24	-	11
CLAY: Brown, trace sand (A-7)	2	1.2	18				418.1	16	-	11
Becomes brown and gray, trace gravel	1	1.0	26							
SANDY CLAY: Brown (A-6)	2	1.0	18							
CLAY: Brown, some sand, trace gravel (A-7)	5	2.1	15							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



ROCK CORE LOG

Date 10/05/10

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SECTION (1X-1)VB-1 LOCATION Marion, SECS. 10SW & 15NW, TWP. 9S, RNG. 2E

COUNTY Williamson CORING METHOD Rotary, surface set diamond bit

STRUCT. NO. 100-0093(WB)0094(EB) Station	DEPTH (ft)	CORING RECOVERY (%)	RECOVERY (%)	CORE TIME (min/ft)	STRENGTH (tsf)	MOISTURE (%)	CORING BARREL TYPE & SIZE	Core Diameter (in)	Top of Rock Elev. (ft)	Begin Core Elev. (ft)
SB-26 1745+63.80 47.0 ft Rt 444.10 ft							NBX conv dbl bbl split inner	1.9	416.1	413.0
CLAYEY SHALE: Gray (continued)	412.4	100	81	3	137.0	3				
SHALE: Gray										
	2	100	80	3	64.0	3				
	3	100	100	3						
	4	100	100	3						
	5	100	100	2						

Color pictures of the cores Yes
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938) BBS, form 138 (Rev. 8-99)



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Date 10/05/10

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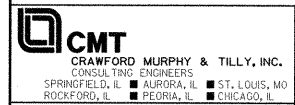
SECTION (1X-1)VB-1 LOCATION Marion, SECS. 10SW & 15NW, TWP. 9S, RNG. 2E

COUNTY Williamson CORING METHOD Rotary, surface set diamond bit

STRUCT. NO. 100-0093(WB)0094(EB) Station	DEPTH (ft)	CORING RECOVERY (%)	RECOVERY (%)	CORE TIME (min/ft)	STRENGTH (tsf)	MOISTURE (%)	CORING BARREL TYPE & SIZE	Core Diameter (in)	Top of Rock Elev. (ft)	Begin Core Elev. (ft)
SB-26 1745+63.80 47.0 ft Rt 444.10 ft							NBX conv dbl bbl split inner	1.9	416.1	413.0
SHALE: Gray (continued)										
	5	100	100	2	232.0	3				
Boring terminated at 57.1 ft										

Color pictures of the cores Yes
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938) BBS, form 138 (Rev. 8-99)

FILE NAME = I:\udct\090608\area\cadd\sheet\structural\plans\bnaf_r_r\Bridge\BORING LOGS 7.dgn



USER NAME = Gary Davis	DESIGNED - MCC	REVISED -
PLOT SCALE =	CHECKED - ATI	REVISED -
PLOT DATE = 12/7/2011	DRAWN - GLD	REVISED -
	CHECKED - ATI	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS VII STRUCTURE NO. 100-0093 (W.B.) & 100-0094 (E.B.)

F.A.P. RTE. 331	SECTION (1X-1)VB-1	COUNTY WILLIAMSON	TOTAL SHEETS 367	SHEET NO. 206
			CONTRACT NO. 98859	

SHEET NO. S-400F S-41 SHEETS

ILLINOIS FED. AID PROJECT