Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 2

Date 11/10/09

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

SECTION LOCATION Marion, SECS. 10SW & 15NW, TWP. 9S, RNG. 2E

COUNTY Williamson DRILLING METHOD CME 55LC w/HSA HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. SB-15
Station 1750+70.20
Offset 4.00ft Rt
Ground Surface Elev. 446.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 435.0 ft ▼
Upon Completion 407.5 ft ▽
After - Hrs. - ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
GRASS, TOPSOIL, & CRUSHED ROCK - 12 inches 444.97			
FILL: Brown, clay, trace to some sand (A-7)	3		
	2 4	1.2 B	24
442.97			
FILL: Grayish brown and dark brown, silty clay (A-6)	4		
	5 4	3.3 B	19
-5			
440.47			
CLAY: Grayish brown and brown, trace to some sand (A-7)	3		
	4 5	1.6 B	26
437.97			
SILTY CLAY: Brown (A-6)	3		
	2 3	1.8 B	23
-10			
435.47			
SILTY CLAY: Brown, trace sand (A-7) ▼	1		
	1 2	0.7 B	22
432.97			
CLAY: Brown, trace to some sand (A-7)	1		
	2 2	1.6 B	23
-15			
Trace sand	2		
	2 2	1.1 B	26
	3		
426.77			
CLAYEY SHALE: Brown	29 50/5"	- -	10 -
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAYEY SHALE: Brown *(continued)*			
	41		
	50/4" 50/2"	- -	14 -
	50		
-25	50/3"	-	16
Becomes gray	50/4" 50/1"	- -	6 -
-30			
	50/4" 50/1"	- -	6 -
-35			
Extremely hard drilling at 35.5 feet.			
▽			
-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)

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 2 of 2

Date 11/10/09

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

SECTION LOCATION Marion, SECS. 10SW & 15NW, TWP. 9S, RNG. 2E

COUNTY Williamson DRILLING METHOD CME 55LC w/HSA HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. SB-15
Station 1750+70.20
Offset 4.00ft Rt
Ground Surface Elev. 446.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 435.0 ft ▼
Upon Completion 407.5 ft ▽
After - Hrs. - ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAYEY SHALE: Brown *(continued)*			
401.97	50/4"	-	6
	50/2"		
-45			
-50			
-55			
-60			

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)

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL

FILE NAME =	USER NAME = Gary Davis	DESIGNED - JMW	REVISED -
L:\IDOT\ 0906603\Draw\CADD_Sheets\ STRUCTURAL PLANS\MSE WALLS\ 100-W002\ 100W002-98859-020-Borings.dgn		CHECKED - REB	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	DRAWN - AJK	REVISED -
	PLOT DATE = 12/7/2011	CHECKED - REB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 100-W002
SHEET NO. 20 OF 21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) VB-1, B-1, N-4, R-3	WILLIAMSON	367	276
		CONTRACT NO. 98859		
	ILLINOIS FED. AID PROJECT			