



SOIL BORING LOG

Date **11/6/09**

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-4**
Station **1743+57.42**
Offset **74.40ft Lt**
Ground Surface Elev. **445.7** ft

DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev. ft	DE P T H	B L O W S	U C S Qu	M O I S T
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GRASS, TOPSOIL, & CRUSHED ROCK - 12 inches
444.74

425.24

FILL: Brown, clayey silt, trace sand, organics (A-4)
442.74

SILTY CLAY: Brown and grayish brown, trace to some sand, trace fine gravel (A-6)

SILTY CLAY: Grayish brown, trace sand (A-6)
440.24

CLAY: Brown and grayish brown (A-7)
437.74

CLAY: Brown and grayish brown (A-7)
435.24

CLAY: Brown, some sand (A-7)
417.74

CLAY: Brown and grayish brown (A-7)

CLAYEY SHALE: Tan and brown
411.74

Becomes brown and gray, trace sand

Becomes brown

Becomes brown, some sand, trace fine gravel

Becomes brown

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)



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CLAYEY SHALE: Tan and brown (continued)

397.04

Becomes gray

50/4" - 14
50/1"

CLAYEY SHALE: Tan and brown

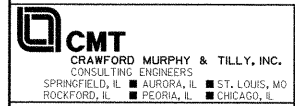
50/1" - 14
50/1"

CLAYEY SHALE: Tan and brown

50/1" - 14
50/1"

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BBS, from 137 (Rev. 8-99)



FILE NAME = L:\DOT\ 0986683\Draw\CADD\Sheets\ STRUCTURAL PLANS\HSE WALLS\ 100-W001\ 100W001-98859-016-Borings.dgn	USER NAME = Gary Davis	DESIGNED - JMW	REVISED -
		CHECKED - REB	REVISED -
		DRAWN - AJK	REVISED -
		CHECKED - REB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS
STRUCTURE NO. 100-W001**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) VB-1, B-1, N-4, R-3	WILLIAMSON	367	255
CONTRACT NO. 98859			ILLINOIS FED. AID PROJECT	