FORM NO. B.D. 137 REV. 9-60 Sh. 1 of 8 Sh

BRIDGE FOUNDATION BORING LOG

PROJECT ~~I-74-2( )38~~ BRIDGE FAI Route 74 Date 12-29-61
ROUTE FAI 74 over Henderson Creek Bored By Alvin E. Moine
SEC. 48-25B STA. 117+20 Left Lane 116+04 Right Lane Checked By
COUNTY Knox

Boring No. 1
Station 116+68
Offset 121' Rt. of ℄ Rt. Ln along ℄ NB Abut

Surface Water El. -
Groundwater El. at Completion 735.1
After 22 Hours 733.6

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 737.6			
Medium Dark Brown Silty CLAY LOAM			
	7	0.5 E	30
733.6			
Soft Dark Gray Silty CLAY LOAM -5	4	0.7 B	37
	4	0.7 E	-
-10	5	-	-
726.1			
Medium Dark Gray Sandy CLAY LOAM	23	-	-
723.6			
Hard Light Gray CLAY -15	31	2.9 S	14
	53	2.9 S	-
718.6			
Hard Light Gray Shaley CLAY -20	95	3.3 S	-

Elevation	N	Qu t/s.f.	w (%)
Hard Light Gray Shaley CLAY	100/ 6"	-	12
713.6			
Hard Gray Shaley CLAY -25	50/ 3"	-	-
	100/ 5"	-	-
-30	50/ 4"	-	-
	50/ 4"	-	-
-35	100/ 5"	-	-
End of Boring 702.1			
-40			
-45			

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".

Qu - Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value

FORM NO. B.D. 137 REV. 9-60 Sh. 4 of 8 Sh

BRIDGE FOUNDATION BORING LOG

PROJECT ~~I-74-2( )38~~ BRIDGE FAI Route 74 Date 1-17-62
ROUTE FAI 74 over Henderson Creek Bored By Alvin E. Moine
SEC. 48-25B STA. 117+20 Left Lane 116+04 Right Lane Checked By
COUNTY Knox

Boring No. 4
Station 117+78
Offset 10' Lt. of ℄ Lt. Ln along ℄ SB Abut

Surface Water El. -
Groundwater El. at Completion 733.2
After - Hours -

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 737.7			
Medium Dark Brown Silty CLAY LOAM			
	5	-	-
-5	4	-	37
731.2			
Soft Dark Gray Silty CLAY LOAM	3	-	-
-10	3	0.8 B	-
726.2			
Medium Light Gray CLAY	13	0.9 S	15
723.7			
Hard Light Gray CLAY -15	92	3.0 E	10
721.2			
Very Stiff Light Gray CLAY	29	2.1 S	-
-20	30	3.1 S	-

Elevation	N	Qu t/s.f.	w (%)
Very Stiff Dark Gray CLAY	30	3.8 S	-
713.7			
Hard Dark Gray Shaley CLAY -25	100/ 8"	2.8 E	-
	100	2.0 S	-
-30	50/ 3"	2.0 E	19
End of Boring 707.2			
-35			
-40			
-45			

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".

Qu - Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value

NOTES

1. *The structure boring for the project location completed during the year 1961-1962, furnished by Illinois Department of Transportation, has been included as Exhibit B in the Structure Geotechnical Report for the current project.*

FILE NAME = ...\0480091-68084-025-Soil.boring.logs.dgn	DESIGNED EV	REVISED -	EPSTEIN 600 WEST FULTON STREET CHICAGO, ILLINOIS 60661-1259 TEL 312 454 9100 FAX 312 559 1217 WEB www.epsteinglobal.com	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 048-0091 SHEET NO. S25 OF S25 SHEETS	F.A.I. RTE. 74	SECTION 48-[(25B)BR, BR-1]
PLOT TIME = 4:32:16 PM	DRAWN JCP	REVISED -					COUNTY KNOX
PLOT DATE = 7/30/2014	CHECKED PC	REVISED -					TOTAL SHEETS 131
	DATE 05 03 2013	REVISED -					SHEET NO. 71
							CONTRACT NO. 68B85
							ILLINOIS FED. AID PROJECT