FORM NO. B.D. 137 REV. 9-60 — Sh. 5 of 8 Sh.

BRIDGE FOUNDATION BORING LOG

PROJECT I-74-2( )38 — BRIDGE FAI Route 74 — Date 1-3-62
ROUTE FAI 74 — over Henderson Creek — Bored By Alvin E. Moine
SEC. 48-25B — STA. 417+20 Left Lane, 416+04 Right Lane — Checked By
COUNTY Knox

Boring No. 5
Station 415+44
Offset 12' Lt of ℄ Rt in along Bk No Abut

Surface Water El. -
Groundwater El. at Completion 733.3
After 18 Hours 737.8

Description	Elevation	Z	q/s.f. J O	w (%)
Ground Surface	737.80			
Soft Dark Brown Silty CLAY LOAM		4	0.5 B	35
Medium Black Silty CLAY	733.8	7	1.0 E	34
Stiff Black Silty CLAY	731.3	13	1.5 E	-
Medium Brown CLAY LOAM	728.8	5	0.7 B	26
Loose Brown Sandy LOAM	724.8	4	-	25
Stiff Light Grayish Brown CLAY	722.85	5	1.2 B	28
Very Stiff Light Gray CLAY	718.8	9	1.5 E	-
		16	2.3 S	19
Very Stiff Light Gray CLAY		23	2.5 E	-
Hard Gray CLAY	711.3	34	2.5 S	12
		59	-	-
		34	-	-
		78	-	-
Hard Dark Gray Shaley CLAY	703.8	93	2.9 S	-
		93	-	-
		100/5"	-	-
End of Boring	694.8	50/3"	-	-

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. 8 of 8 Sh

BRIDGE FOUNDATION BORING LOG

PROJECT I-74-2( )38 — BRIDGE FAI Route 74 — Date 1-8-62
ROUTE FAI 74 — over Henderson Creek — Bored By Alvin E. Moine
SEC. 48-25B — STA. 417+20 Left Lane, 416+04 Right Lane — Checked By
COUNTY Knox

Boring No. 8
Station 416+65
Offset 16' Rt of ℄ Rt In along Bk So Abut

Surface Water El. -
Groundwater El. at Completion 733.7
After 24 Hours 733.7

Description	Elevation	Z	q/s.f. J O	w (%)
Ground Surface	740.70			
Stiff Brown CLAY		5	1.5 E	27
		6	1.5 E	-
Very Stiff Brownish Gray CLAY	734.2	33	1.8 S	30
		32	2.0 E	-
Hard Light Gray CLAY	729.2	98	1.8 S	9
		50/5"	-	-
Hard Light Gray Shaley CLAY	724.2	50/4"	-	-
		100/5"	-	-
Hard Light Gray Shaley CLAY		50/4"	5.9 S	-
End of Boring	715.2	100/5"	5.2 S	-

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 = ...\0480090-68B84-025-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. 048-0090	F.A.I. RTE. 74	SECTION 48-[(25B)BR, BR-1]
PLOT TIME = 4:31:39 PM	DRAWN JCP	REVISED -				COUNTY KNOX	TOTAL SHEETS 131
PLOT DATE = 7/30/2014	CHECKED PC	REVISED -			SHEET NO. S25 OF S25 SHEETS	SHEET NO. 46	CONTRACT NO. 68B85
	DATE 05 03 2013	REVISED -				ILLINOIS FED. AID PROJECT	