STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FORM NO. B. D. 137 REV. 9-88 — Sh. 1 of 2 Sh.

SW 1/4 SW 1/4 SE 1/4 SEC. 32 T22N R1E 3P.M. 6

BRIDGE FOUNDATION BORING LOG

PROJECT
ROUTE FA 119 RT 136
SEC. 120 BR
COUNTY McLean

BRIDGE FA 119 Over Prairie Creek
STA. 126+95.70

Date 4-30-79
Bored By K. Whittington
Checked By B. Pickard

Boring No. 1 W. Abut.
Station 126+01
Offset 12' RT

Surface Water El. 664.7
Groundwater El. at Completion –
After – Hours –

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	678.5			
MEDIUM DARK BROWN SILTY CLAY LOAM	676.5			
STIFF DARK BROWN TO BLACK SILTY CLAY LOAM	674.5	9	1.1 B	30
VERY STIFF DARK BROWN SILTY CLAY LOAM	672.0	10	*2.5 S	27
STIFF GRAY TO BLACK SILTY CLAY TILL	669.5	17	1.8 B	25
VERY STIFF BLACK SILTY CLAY LOAM	667.0	17	3.9 S	21
MEDIUM BLACK SILTY CLAY LOAM	664.5	6	0.9 B	28
MEDIUM YELLOWISH BROWN CLAY LOAM	663.0	2	0.8B	28
VERY LOOSE SANDY CLAY	662.0	3	–	21
MEDIUM TO STIFF GRAY SANDY CLAY	658.5	8	0.9 B	29
MEDIUM BROWNISH GRAY COARSE SAND TO FINE GRAVEL AND WATER		16	–	14
MEDIUM GRAY TOTAN COARSE SAND AND FINE GRAVEL	650.0	20	–	19
		16	–	12
		60	–	10
MEDIUM GRAY CLAY LOAM TILL	647.0	7	0.9 B	24
STIFF GRAY CLAY LOAM TILL	644.5	9	1.6 B	22
MEDIUM GRAY CLAY LOAM TILL	642.0	12	0.7 B	18
HARD OLIVE GRAY SILTY CLAY TILL	637.0	46	8.5 S	14
		67	7.4 S	11
LOOSE TAN COARSE SAND	634.5	2	–	–
DENSE COARSE SAND AND GRAVEL				

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
P – Penetrometer

FORM NO. B. D. 137 REV. 9-88 — Sh. 2 of 2 Sh.

BRIDGE FOUNDATION BORING LOG

FA 119
Sec. 120BR
McLean County
Boring 1

Description	Elevation	N	Qu t/s.f.	w (%)
DENSE TAN COARSE SAND AND GRAVEL	633.0	41	–	13
VERY STIFF GRAY SANDY CLAY LOAM TILL	632.0	21	3.1S	10
DENSE BROWN COARSE SAND AND FINE GRAVEL	627.5	76	–	10
		–	–	–

Elevation: -45, -50, -55, -60, -65, -70, -75, -80, -85, -90, -95

N, Qu, w: –

Ground Surface 678.5 0

MEDIUM BROWN SILTY CLAY LOAM FILL 676.0

STIFF BROWN SILTY CLAY TILL FILL 674.0 (-5): 7, 1.6 B, 27

MEDIUM MOTTLED GRAY BLACK SILTY CLAY LOAM TILL FILL 671.5: 5, 0.6 S, 28

VERY STIFF BLACK SILTY CLAY LOAM 669.0 (-10): 14, 2.3 B, 24

STIFF BLACK SILTY CLAY LOAM 664.0 (-15): 8, 1.0 P, 29

LOOSE BLACK SANDY LOAM AND SAND 661.5 (-20): 7, 1.3 B, 37

MEDIUM GRAY SILT WITH VERY THIN SAND LAYERS THROUGHOUT 659.5: 4, – , 26

DENSE BROWN SILTY LOAM (-25): 20, 1.0 P, 18

DENSE BROWN SILTY LOAM 655.5: 34, —, 23

MEDIUM GRAY SAND 650.5: 10, –, 17

MEDIUM GRAY SILTY CLAY LOAM 649.0: 19, –, 49

MEDIUM GRAY SILTY CLAY TILL 644.0: 13, –, 21

STIFF GRAY SILTY CLAY LOAM TILL 641.5: 7, 0.8 B, 23

HARD GRAY SILTY CLAY LOAM TILL 636.5: 7, 0.8 B, 22

DENSE COARSE BROWN SAND 634.5: 12, 1.0 B, 16

49, 5.7 B, 11

75, 5.7 B, 10

77, –, 14

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Type failure:
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S – Shear Failure
E – Estimated Value
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McDonough-Whitlow, P.C.
Consulting Engineers & Land Surveyors
138 East Wood Street
Hillsboro, IL 62049
Phone: 217.532.9233
Fax: 217.532.6300
PROFESSIONAL DESIGN No. 184-002754

DESIGNED:	CMF	DRAWN:	RNH
CHECKED:	TMM	CHECKED:	TMM

SOIL BORINGS
U.S. 136 OVER
PRAIRIE CREEK
STRUCTURE NO. 057-0245

SHEET 17 OF 17	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	315	120BR-1	MCLEAN	49	28
	STA. 126+95.70		CONTRACT NO. 70524		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FILE: F:\Projects\DOT PROJECTS\ 05-044-6\Drawings\ 0570245-70524.dgn
USER: RNH
DATE: 09/30/2009 14:48