FORM NO. B. C. 127 REV. 9-80 — Sh. 1 of 2 Sh.

BRIDGE FOUNDATION BORING LOG

PROJECT —
ROUTE TOWNSHIP 97
SEC. STRUCTURE #3013
COUNTY HARDIN
Boring No. 1-S
Station 10' NORTH OF EXIST. NORTH ABUTMENT
Offset CL EXIST.

BRIDGE STRUCTURE CARRYING TOWNSHIP 97 OVER HONEY CREEK
STA. —

Date AUGUST, 1981
Bored By JOEL CONCIARDO
Checked By GARY L. PULLEY

Surface Water El. NONE
Groundwater El. at Completion 75.4
After 24 Hours 85.4

Elevation	N	Qu t/s.f.	w (%)	Description
100.4				Ground Surface
				MEDIUM MOIST BROWN SILT LOAM A-4
97.9				
	6	0.9S	18	MEDIUM MOIST BROWN SILTY CLAY LOAM A-4
95.4 (-5)				
	16	1.9S	18	STIFF MOIST BROWN STREAKED ORANGE SILT LOAM A-4
92.9				
	6	0.7S	22	MEDIUM MOIST BROWN SILT LOAM A-4
90.4 (-10)				
	10	1.2S	22	STIFF MOIST BROWN MOTTLED GREY SILT LOAM A-4
87.9				
	3	0.6S	24	MEDIUM VERY MOIST BROWN MOTTLED GREY SILTY CLAY LOAM A-4
85.4 (-15)				
	3	0.4S	22	SOFT VERY MOIST BROWN MOTTLED GREY CLAY LOAM A-4
82.9				
	5	1.4B	30	STIFF VERY MOIST GREY SILTY CLAY A-7-6
80.4 (-20)				
	4	0.8B	29	MEDIUM VERY MOIST GREY SILTY CLAY A-6
				SEE NEXT COLUMN

Elevation	N	Qu t/s.f.	w (%)	Description
	4	0.9B	44	
75.4 (-25)				MEDIUM VERY MOIST GREY SILTY CLAY A-6
72.9				
	7	1.2B	27	STIFF VERY MOIST GREY CLAY A-7-6
(-30)				
	6	1.3B	28	
	7	1.1S	37	
65.4 (-35)				
	5	0.9	36	MEDIUM VERY MOIST GREY CLAY A-7-6
62.9				
	11	-	-	MEDIUM VERY MOIST COARSE GREY GRAVEL WITH CLAY BINDER
60.4 (-40)				
	19	-	-	MEDIUM MOIST BROWN MOTTLED GREY BROKEN WEATHERED SANDSTONE
				SEE NEXT SHEET
55.4 (-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
P – Penetrometer

FORM NO. B. C. 127 REV. 9-80 — Sh. 2 of 2 Sh.

BRIDGE FOUNDATION BORING LOG

STRUCTURE CARRYING TOWNSHIP 97 OVER HONEY CREEK
STRUCTURE #3013
HARDIN COUNTY
BORING NO. 1-S

Elevation	N	Qu t/s.f.	w (%)	Description
(-45)				
	100 BLOWS 7"			HARD DAMP BROWN MOTTLED GREY WEATHERED SANDSTONE
54.0	100 BLOWS 2"			

BOTTOM OF HOLE = 46.4 FEET.

DURING DRILLING OPERATIONS IT APPEARED THAT FREE WATER WAS ENCOUNTERED AT 45.0 FEET.

CENTER OF EXISTING STRUCTURE WAS USED AS T.B.M. - ASSUMED AN ELEV. OF 100.0.

STRUCTURE LOCATION:

SW 1/4, SECTION 33, T11S, R10E, 3rd P.M., HARDIN COUNTY, ILLINOIS.

(-50) (-55) (-60) (-65) (-70) (-75) (-80) (-85) (-90) (-95)

BORING 1-S

FILE NAME = 122057-shs-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS HARDIN COUNTY HIGHWAY DEPARTMENT	BORINGS STRUCTURE NO. 035-3052 SHEET NO. 10 OF 11 SHEETS
HAMPTON, LENZINI AND RENWICK, INC. 3500 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -		
ILLINOIS PROFESSIONAL DESIGN FIRM 157 PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		
	PLOT DATE = 3/1/2013	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97	07-01161-00-BR	HARDIN	15	14
COUNTY UNIT ROAD DISTRICT		CONTRACT NO. 99491		
ILLINOIS FED. AID PROJECT				