FORM NO. B.P. [redacted] 137 REV. 9-60

Sh. 1 of 2 Sh.

BRIDGE FOUNDATION BORING LOG

PROJECT

ROUTE SBI-49

SEC. 120 BR

COUNTY VERMILION

Boring No. 1

Station 211 + 58

Offset 32' RT

BRIDGE SBI-49 Over STONY CREEK

STA. 211 + 11

Date 6-15-71

Bored By BAKER

Checked By LLE

Surface Water El. ——

Groundwater El. at Completion ——

After 1 Hours 7'

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	661.2 0			
STIFF BLACK CLAY	-5	5	1.0E	21
	654.7			
SOFT GREY CLAY LOAM	-10	3	.5E	
	650.2			
MEDIUM GREY SAND WITH FREE WATER		22	-	-
	646.2 -15	13	1.5B	12
STIFF GREY BROWN CLAY TILL	644.7			
		40	10.9NP	10
HARD GREY BROWN CLAY TILL	-20	20	6.0B	11
		56	10+E	
HARD BROWN CLAY LOAM TILL	-25	40	10+E	
	635.7			
LIMIT OF BORING				
	-30			
N.W. COR. OF SEC. 25, T.20 N., R. 14 W. of 2 PM				
	-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

77

FORM NO. B.P. [redacted] 137 REV. 9-60

Sh. 2 of 2 Sh.

BRIDGE FOUNDATION BORING LOG

PROJECT

ROUTE SBI-49

SEC. 120 BR

COUNTY VERMILION

Boring No. 2

Station 210+68

Offset 18.5' LT.

BRIDGE SBI-49 OVER STONY CREEK

STA. 211+11

Date 6-15-71

Bored By BAKER

Checked By LLE

Surface Water El. ——

Groundwater El. at Completion 20'

After —— Hours ——

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	664.6 0			
VERY STIFF BLACK CLAY FILL	-5	8	2.1B	23
	658.1			
STIFF BROWN MOTTLED CLAY TILL	-10	8	1.7B	14
		11	1.6B	13
	-15	9	1.0B	13
	648.6			
VERY STIFF TO HARD GREY BROWN CLAY TILL		20	2.5B	11
	-20	28	8.9S	10
		16	2.3B	12
	641.6			
HARD BROWN TO GREY CLAY LOAM TILL	-25	98	10+E	7
		48	10+E	8
		100 @ 6-1/2"	10+E	6
	634.6 -30			
LIMIT OF BORING				
	-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
P – Penetrometer

77

FILE NAME = s:\gal\6300-6399\6346\024\micros\finals plans\structural\015-SBL.dgn

STRAND ASSOCIATES, INC. ENGINEERS 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = ryand	DESIGNED RRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOG STRUCTURE NO. 092-0171	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED AJS	REVISED -			840	120BR-1	VERMILION	44	27
	PLOT SCALE =	DRAWN BJF	REVISED -					CONTRACT NO. 70615		
	PLOT DATE = 6/24/2011	CHECKED AJS	REVISED -		SHEET NO. 15 OF 16 SHEETS			ILLINOIS FED. AID PROJECT		