STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 19
F.A.I. 57	38-2HVB	IROQUOIS	31	23	19 SHEETS

Boring No. 13 — Station 1039+06 — Offset 43.5' Lt. ℄

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 661.18	0			
Very Stiff Black & Yellowish Brown CLAY		10	3.1 S	20
657.68				
Very Stiff Yellowish Brown & Gray CLAY (Till)	-5	10	3.5 B	20
655.18				
Hard Brown & Gray CLAY (Till)		19	7.9 B	19
	-10	13	5.2 B	18
		11	4.1 B	20
647.68				
Stiff Gray CLAY (Till)	-15	6	1.6 B	21
		7	1.5 B	20
	-20	7	1.5 B	22
640.18				
Very Stiff Gray CLAY (Till)		9	2.3 B	20
	-25	10	2.4 B	21
		12	2.6 B	21
	-30	13	2.7 B	19
		12	2.3 B	19
	-35	13	2.8 B	19
		13	2.7 B	20
	-40	13	2.6 B	20

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 661.18	-40			
Very Stiff Gray CLAY (Till)		11	2.5 B	20
	-45	14	3.1 B	19
		13	2.6 B	21
612.68				
Very Stiff Gray CLAY (Lacustrine)	-50	16	3.7 S	22
610.18				
Hard Gray CLAY (Lacustrine)		30	5.5 S	20
607.68				
Very Stiff Gray SILTY LOAM	-55	13	2.3 S	10
605.18				
Hard Gray CLAY LOAM (Fragments of Limestone) 603.18		101	—	--
	-60			

Surface Water El. none
Groundwater El. at Completion none
After 67 Hours none

Boring No. 14 — Station 1039+01 — Offset 21.5' Lt. ℄

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 662.06	0			
Embankment				
660.06				
Very Stiff Black & Yellowish Brown CLAY		11	2.7 S	20
658.06				
Hard Brown & Gray CLAY (Till)	-5	11	5.0 S	19
		14	5.4 B	21
	-10	13	5.3 B	18
		10	4.3 B	20
648.06				
Very Stiff Gray CLAY (Till)	-15	8	2.2 B	20
		9	2.6 B	21
	-20	12	3.0 B	21
Very Stiff Gray CLAY (Till)		12	3.4 B	19
	-25	13	3.1 B	19
		14	2.7 B	21
	632.06 -30	12	2.8 B	20
		12	2.7 B	20
	-35	12	2. B	19
		12	3.0 B	20
	622.06 -40	12	2.2 B	20

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 662.06	-40			
Very Stiff Gray CLAY (Till)		11	2.9 B	22
	-45	13	2.9 B	24
		13	3.1 B	23
613.06				
Very Stiff Gray CLAY (Lacustrine)	-50	14	3.5 S	23
610.56				
Hard Gray CLAY LOAM (Till) (Several 2" Sand Seams)		20	4.1 S	15
608.06				
Medium Gray SANDY LOAM	-55	17	---	12
605.56				
Very Stiff Gray SILTY CLAY (Till) (Fragments of Limestone) 603.56		61	3.8 S	16

Surface Water El. None
Groundwater El. at Completion None
After 24 Hours 651.66

Boring No. 15 — Station 1039+52 — Offset 38.5' Rt. ℄

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 660.34	0			
Stiff Black & Yellowish Brown CLAY		4	---	33
	-5	3	1.2 B	27
654.34				
Yellowish Brown SILT (Saturated) 653.34				
Very Stiff Brown & Gray CLAY (Till)		9	3.2 S	21
	-10	8	2.8 B	18
649.34				
Stiff Gray CLAY (Till)		6	1.3 S	22
646.84				
Very Stiff Gray CLAY (Till)	-15	8	2.0 B	21
		7	2.0 B	22
	-20	7	3.0 B	22

Description	Elevation	N	Qu t/s.f.	w (%)
		12	2.8 B	21
Very Stiff Gray CLAY (Till)	-25	10	3.0 B	21
		12	2.9 B	20
630.34	-30			
Very Stiff Gray CLAY LOAM (Till) 629.34		16	3.5 S	12
Stiff Gray CLAY (Till) 628.34			B 1.9	
Medium Gray Fine SAND (Saturated) 626.84		14		17
Medium Gray SILT (Saturated)	-35	19	--	24
622.84				
Very Stiff Gray CLAY (Till)		11	2.2 B	20
	-40	11	2.1 S	20
		12	2.6 B	23
	-45	15	2.7 B	21
614.34				
Stiff Gray CLAY (Till)		15	1.7 S	24
611.84				
Very Stiff Gray CLAY (Lacustrine)	-50	23	2.5 B	27
609.34				
Hard Gray CLAY LOAM (Till) 608.34			6.68	
Medium Gray SANDY LOAM		15		13
606.84				
Very Stiff Gray CLAY LOAM (Till) 605.64			3.1B	
Very Dense Gray SILTY LOAM (Limestone Fragments) 604.84	-55	91		15

Surface Water El. none
Groundwater El. at Completion 639.34
After 24 Hours 642.84

Boring No. 16 — Station 1040+05 — Offset 50.5' Lt. ℄

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 661.13	0			
Black CLAY				
659.13				
Loose Yellowish Brown & Gray SANDY LOAM		[illegible]		19
656.63				
Very Stiff Yellowish Brown CLAY (Till) 655.13	-5	7	3.5 B	15
Hard Brown & Gray CLAY (Till)		12	4.? B	22
	-10	14	4.7 B	17
		11	4.9 B	19
	-15	12	[illegible] B	19
645.13				
Very Stiff Gray CLAY (Till)		[illegible]	3.2 B	21
	-20	10	3.0 B	20
		11	3.0 B	19
	-25	12	2.4 B	19
		11	3.3 B	21
	-30	10	3.1 B	20
		12	3.6 B	19
	-35	14	3.5 B	19
625.13				
Medium Gray SANDY LOAM (Saturated)		11	--	--
621.63				
Very Stiff Gray CLAY (Till)	-40	13	3.1 B	19

Surface Water El. None
Groundwater El. at Completion 621.63
After 24 Hours 640.73

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

DESIGNED R. Gander
CHECKED R.M. Bonard
TRACED R.M.B.

AUG. 28 1963
W.E. Baumann
H.J. Alten

BORING DATA
F.A.I. RT. 57 SEC. 38-2HVB
IROQUOIS COUNTY
STA. 1037+61.38

FOR INFORMATION ONLY

TERRA ENGINEERING LTD.	USER NAME =	DESIGNED - DDB	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS STRUCTURE NOS. 038 – 0013 & 0014	F.A.I. RTE. 57	SECTION 38-2HVB, HVBR-1	COUNTY IROQUOIS	TOTAL SHEETS 146	SHEET NO. 130
	PLOT SCALE =	CHECKED - OY	REVISED		SHEET NO. 20 OF 20 SHEETS			CONTRACT NO. 66942		
	PLOT DATE =	DRAWN - DDB	REVISED				ILLINOIS FED. AID PROJECT			
		CHECKED - OY	REVISED							

T:\Projects\09-228-IDOT-I57 Bridges- PTB 153-37\Drawings\CADD Drawings\Structural\Final Plans\existing plans\0380013.4-66942-020-EX_BRIDGE_PLANS.dgn