

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

ROUTE NO. SECTION COUNTY TOTAL SHEET NO. 16
E.I. RT. 57 SEC. 38 IROQUOIS 31 20 19 SHEETS
PRO. ROAD DIST. NO. 2

Boring No. 4
Station 1037+83.5
Offset 22' RT E

Elevation	Z	Q _u (k.s.f.)	w (%)
661.79	0		
		R. R. Embankment	
659.29			
		Stiff Brownish Black CLAY (Till)	
658.79			
		Medium Yellowish BROWN Rounded SAND	
657.29	6	19	
		Medium Yellowish Brown SANDY LOAM	
655.79			
		Very Stiff Yellowish Brown CLAY (Till)	
654.29	10	12	
		Stiff Yellowish Brown CLAY (Till)	
652.29	7	18	
		Hard Gray CLAY (Till)	
649.29	11	17	
		Very Stiff Gray CLAY (Till)	
647.29	8	21	
		Stiff Gray CLAY (Till)	
644.79	7	22	
		Very Stiff Gray CLAY (Till)	
	6	21	
	9	20	
	9	20	
	12	20	
	12	18	
	12	19	
	13	20	
	13	20	
	12	21	
	12	21	

Boring No. 5
Station 1038+45.00
Offset 40' LT E

Elevation	Z	Q _u (k.s.f.)	w (%)
661.79	0		
		Very Stiff Gray CLAY (Till)	
659.63	12	20	
657.63	11	15	
		Very Stiff Yellowish Brown & GRAY CLAY (Till)	
655.13	9	13	
		Yellowish Brown SANDY LOAM (Saturated)	
652.63	19	20	
		Hard Yellowish Brown CLAY (Till)	
650.13	17	17	
		Hard Gray CLAY (Till)	
647.29	11	25	
		Hard Gray CLAY (Lacustrine)	
644.79	11	25	
		Hard Gray CLAY (Lacustrine)	
642.29	17	22	
		Very Stiff Gray CLAY LOAM (Till)	
640.13	20	12	
		Hard Gray CLAY LOAM (Till)	
637.29	14	13	
635.13	14	20	
		Very Stiff Gray CLAY (Till)	
632.63	19	20	
		Hard Gray CLAY (Till)	
630.13	12	19	
627.63	7	21	
		Stiff Gray CLAY (Till)	
625.13	12	21	
		Very Stiff Gray CLAY (Till)	
622.63	11	20	
		Angular Gray SAND (Saturated)	
620.13	14	17	
		Very Stiff Gray CLAY (Till)	
617.63	10	19	
615.13	11	18	
612.63	11	18	
610.13	12	19	

Surface Water El. None
Groundwater El. at Completion 646.99
After 24 Hours 637.29

Boring No. 6
Station 1038+21.00
Offset 22' RT E

Elevation	Z	Q _u (k.s.f.)	w (%)
661.63	0		
		Embankment Fill	
659.63			
		Yellowish Brown SANDY LOAM	
657.63	11	15	
		Very Stiff Yellowish Brown & GRAY CLAY (Till)	
655.13	9	13	
		Yellowish Brown SANDY LOAM (Saturated)	
652.63	19	20	
		Hard Yellowish Brown CLAY (Till)	
650.13	17	17	
		Hard Gray CLAY (Till)	
647.29	11	25	
		Hard Gray CLAY (Lacustrine)	
644.79	11	25	
		Hard Gray CLAY (Lacustrine)	
642.29	17	22	
		Very Stiff Gray CLAY LOAM (Till)	
640.13	20	12	
		Hard Gray CLAY LOAM (Till)	
637.29	14	13	
635.13	14	20	
		Very Stiff Gray CLAY (Till)	
632.63	19	20	
		Hard Yellowish Brown CLAY (Till)	
630.13	12	19	
627.63	7	21	
		Stiff Gray CLAY (Till)	
625.13	12	21	
		Very Stiff Gray CLAY (Till)	
622.63	11	20	
		Angular Gray SAND (Saturated)	
620.13	14	17	
		Very Stiff Gray CLAY (Till)	
617.63	10	19	
615.13	11	18	
612.63	11	18	
610.13	12	19	

Surface Water El. None
Groundwater El. at Completion 642.99
After 24 Hours 627.53

Boring No. 7
Station 1038+21.00
Offset 22' RT E

Elevation	Z	Q _u (k.s.f.)	w (%)
659.57	0		
		Stiff Black & Yellowish Brown CLAY	
656.07	6	24	
		Stiff Yellowish Brown & Gray CLAY (Till)	
653.57	5	23	
		Yellowish Brown SAND (Saturated)	
652.57	8	23	
		Very Stiff Yellowish Brown CLAY (Till)	
651.07	8	23	
		Stiff Gray CLAY (Till)	
648.57	8	20	
		Very Stiff Gray CLAY (Till)	
646.07	8	21	
		Stiff Gray CLAY (Till)	
643.57	6	22	
641.07	7	21	
638.57	8	21	
636.07	10	21	
		Very Stiff Gray CLAY (Till)	
633.57	12	16	
631.07	14	20	
628.57	19	20	
627.57	13	21	
		Medium Gray SILT	
626.07	13	21	
		Very Stiff Gray CLAY (Till)	
623.57	14	19	
621.07	12	20	
618.57	13	20	

Boring No. 8
Station 1037+61.38

Elevation	Z	Q _u (k.s.f.)	w (%)
659.57	0		
		Very Stiff Gray CLAY (Till)	
657.07	15	21	
654.57	15	22	
652.07	12	20	
649.57	23	23	
		Hard Gray CLAY (Lacustrine)	
647.07	23	23	
644.57	29	20	
		Dense Gray SILTY LOAM	
642.07	30	18	
639.57	30	18	
		Hard Gray CLAY (Fragments of limestone)	
637.07	35	23	

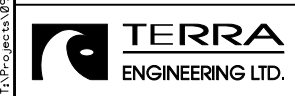
Surface Water El. None
Groundwater El. at Completion 639.47
After 24 Hours 627.37

DESIGNED: P. J. Anderson
CHECKED: R. M. Barnes
DRAWN: R. M. Barnes
DATE: AUG. 28 '63
DESIGNED: H. J. Oltin
CHECKED: H. J. Oltin
DRAWN: H. J. Oltin
DATE: AUG. 28 '63

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".
Q_u - Unconfined Compressive Strength - 1/4"
w - Water Content - percentage of oven dry weight-%.
Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value

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

FOR INFORMATION ONLY



USER NAME =	DESIGNED - DDB	REVISED
PLOT SCALE =	CHECKED - OY	REVISED
PLOT DATE =	DRAWN - DDB	REVISED
	CHECKED - OY	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
STRUCTURE NOS. 038 - 0013 & 0014

SHEET NO. 17 OF 20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	38-2HVB, HVBR-1	IROQUOIS	146	127
CONTRACT NO. 66942				

ILLINOIS FED. AID PROJECT