STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation

Bridge Foundation Boring Log

P-91-243-77 Sh. 1 of 2 Sh.

PROJECT _____ BRIDGE Butterfield Road over Date 02-28-79

ROUTE FAU 3545 (IL 56) West Branch Du Page River Bored By D. GROW

SEC. 1977-212-BR STA. _____ Checked By _____

COUNTY Du Page

Boring No. 3
Station 470 + 41
Offset 4' Rt. ℄ (S)

Surface Water El. 693.12
Groundwater El. at Completion _____
After _____ Hours _____

	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	700.2			
Suspended Augers through Bridge Deck				
	-5			
Top of Ice	691.2			
	-10			
Water	687.2			
Bottom Sediments MEDIUM to STIFF SAND & CLAYS	-15			
	683.7			
STIFF, GRAY SILTY CLAY (TILL)		4		
		5	B	
		7	1.32	12
	680.2			
	-20	2	B	
MEDIUM, GRAY SANDY CLAY LOAM (TILL)		3		
		5	.78	12
	678.2			
VERY STIFF, GRAY SANDY CLAY (TILL)		9	B	
		7		
		12	3.10	12
	675.1		Begin Wash	
DENSE, GRAY SAND	-25	11		
		15		
	673.2	19		
HARD, GRAY SILTY CLAY (TILL)		7	B	
		15		
		26	5.62	14
	670.7			
DENSE, GRAY SAND	-30	8	S(15%)	
	669.2	16		
		26	3.09	18
VERY STIFF, GRAY SILTY LOAM (TILL) with Sand Seams		7	B	
	667.2			
HARD, GRAY SILTY CLAY (TILL)		15		
		25	4.65	11
	665.7			
VERY STIFF, GRAY SILTY CLAY (TILL)	-35	13	B	
		9		
		12	2.91	16
		6		
	661.7	7	B	
		19	4.07	16
HARD, GRAY SILTY CLAY (TILL)	-40	6	B	
		13		
		24	4.07	16
	657.2	30		
VERY DENSE, BROWN SAND & SILT LENSES		57		
		112	10" Pen	
	655.7			
	-45			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. 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. D. 157 REV. 9-80 Sh. 2 of 2 Sh

BRIDGE FOUNDATION BORING LOG

FAU 3545 (IL 56)
Section 1977-212-BR
Du Page County
P-91-243-77

	Elevation	N	Qu t/s.f.	w (%)
VERY DENSE, BROWN DECAYED LIMESTONE	-45	40		
		57		
		90		
	652.7			
Auger Refusal - Limestone				
	-50			
	-55			
	-60			
	-65			
	-70			

Elevation	N	Qu t/s.f.
-75		
-80		
-85		
-90		
-95		

SOIL BORING LOGS-#III
IL. ROUTE 56 OVER
WEST BRANCH DuPAGE RIVER
F.A.P. RTE. 365
SECTION (58&59) WRS-3
DuPAGE COUNTY
STA. 192+38.00
STRUCTURE NO. 022-2027

DESIGNED	-
CHECKED	-
DRAWN	-
CHECKED	-

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

SHEET NO. S38
S43 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(58&59) WRS-3	DuPAGE	466	244
		CONTRACT NO. 62420		
	ILLINOIS	FED. AID PROJECT		