STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation

Bridge Foundation Boring Log

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

PROJECT _____ BRIDGE Butterfield Road over West branch of DuPage River Date 01-23-79

ROUTE FAU 3545 Bored By D. GROW

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

COUNTY Du Page

Boring No. #1
Station 471 + 46
Offset 20' Rt. ℄ (S)

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

Elevation	N	Qu t/s.f.	w (%)	Description
697.8				**Ground Surface** 0
				MEDIUM, BROWN SANDY LOAM & GRAVEL
	5			
	10			
	13			
-5				
691.8	5			
	9			
	4			
				LOOSE, BROWN & BLACK SANDY LOAM & GRAVEL -- somewhat organic. Very little recovery.
	1			
	2			
687.8	4			
-10				
	5			
	7			MEDIUM, BROWN SANDY LOAM & GRAVEL
685.8	5		14	
				LOOSE, BROWN SANDY LOAM and GRAVEL
	2			
	2			
683.2	4		11	
-15				VERY DENSE, GRAY GRAVEL Free water in Sampler.
	50			
	50			
680.8	32			
			Begin Wash	
	23			VERY DENSE, BROWN SAND and GRAVEL
	24			
	34			
677.3				
-20	10			
	12	S/B		
	14	3.49	12	VERY STIFF, GRAY SANDY CLAY (TILL)

Elevation	N	Qu t/s.f.	w (%)	Description
				VERY STIFF, GRAY SANDY CLAY (TILL) Continued 674.8
	12			
	22			VERY DENSE, BROWN SAND - Medium-Grained
	27			
-25				
	7			
	28			
	31			
669.8				
	6			
	14	S/B		HARD, GRAY SANDY CLAY (TILL)
	20	5.26	10	
-30				
	15	S(15%)		
	20			
	92	4.74	9	
	12	S/B		
	47			
	32	6.01	13	
-35				
	7			
	12			
	20	6.01	13	
659.8				
	46			
	100			VERY DENSE, BROWN SANDY LOAM & GRAVEL
	100	3"Pen		
-40				
	15			
	30			
	55			
654.8				
	31			
	36			VERY DENSE, DECAYED LIMESTONE
	37			
-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. B. D. 127 REV. 9-86 Sh. 2 of 2 Sheets

BRIDGE FOUNDATION BORING LOG

FAU 3545
Section 1977-212-BR
Boring #1 Continued
P-91-243-88

Elevation	N	Qu t/s.f.	w (%)	Description
-45	50			VERY DENSE, WHITE DECAYED LIMESTONE -- Continued
651.3	100 0"	Pen.		
				BEDROCK
-50				
-55				
-60				
-65				
-70				
-75				
-80				
-85				
-90				
-95				

SOIL BORING LOGS-#1
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. S36	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S43 SHEETS	365	(58&59) WRS-3	DuPAGE	466	242
			CONTRACT NO. 62420		
		ILLINOIS	FED. AID PROJECT		