STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation

Bridge Foundation Boring Log

Sh. 1 of 2 Sh.

P-91-243-77
PROJECT ____ BRIDGE Butterfield Road over Date 01-29-79
ROUTE FAU 3545 west branch of Du Page River Bored By D. GROW
SEC. 1977-212-BR STA. West abutment Checked By ____
COUNTY Du Page
Boring No. 2
Station 469+90
Offset 15' Lt. ℄ (N)

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

Elevation	N	Qu t/s.f.	w (%)	
Ground Surface 701.2	0			
MEDIUM, BROWN SANDY LOAM and GRAVEL				
698.7	3	S(20%)		
VERY STIFF, BROWN SILTY CLAY with Pebbles	3 4	2.91	18	
696.2 -5	3	S(15%)		
STIFF, BROWN, MOTTLED SILTY CLAY (TOPSOIL) with some plant roots 693.7	3 4	1.48	26	
STIFF, GRAY CLAY LOAM 692.7	4 4	P		
MEDIUM, BROWN SAND & GRAVEL -10	9 4 6	1.25	15	
Free water in sampler 689.2	6			
MEDIUM, GRAY SANDY LOAM and GRAVEL	0 5 10			
-15	2 4 7			
683.2	8 9	S/B		
VERY STIFF, GRAY SANDY CLAY (TILL)	8	3.10	10	
-20	5 10	S(15%)		
	30	3.30	10	

Elevation	N	Qu t/s.f.	w (%)	
VERY STIFF, GRAY SANDY CLAY (TILL)	5	S/B		
	10 11	3.88	11	
676.7 -25				
HARD, GRAY SANDY CLAY (TILL)	7	S(15%)		
	13 16	5.15	10	
	6	S/B		
	13 21	4.65	12	
-30	8	S/B		
	12 25	5.24	13	
669.2				
VERY STIFF, GRAY SANDY CLAY (TILL)	4	S/B		
	12 17	2.91	15	
666.7 -35				
HARD, GRAY SILTY CLAY (TILL)	7	S/B		
	18 24	5.82	14	
	7	S/B		
	10 14	4.46	16	
-40	4	S/B		
	12 20	4.46	16	
659.2				
VERY STIFF, GRAY SILTY CLAY (TILL)	6	B		
	11 16	3.49	19	
656.7 -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. B. D. 127 REV. 9-80

Sh. 2 of 2 Sh.

BRIDGE FOUNDATION BORING LOG

FAU 3545
Section 1977-212-BR
P-91-243-77 Du Page Co.
Boring #2 Continued

Elevation	N	Qu t/s.f.	w (%)
-45 MEDIUM, GRAY SAND	7 9 20		
653.7	11		
VERY DENSE, BROWN DECAYED LIMESTONE	20 100	3" Pen	
650.7 -50	100		
End of Boring	0" Pen.		
Sampler Refused			
-55			
-60			
-65			
-70			

Elevation	N	Qu t/s.f.	w (%)
-75			
-80			
-85			
-90			
-95			

SOIL BORING LOGS-#II
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. S37
S43 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(58&59) WRS-3	DuPAGE	466	243
		CONTRACT NO. 62420		
	ILLINOIS	FED. AID PROJECT		