Illinois Depa of Transpor	waws	mer ion	π	so	IL BORING LOG			<u>1</u> o	
ROUTE FAP 698 (IL 89) DE	SCR	ΙΡΤΙΟΙ	Br	idge R over	eplacement (proposed SN 062-0086) AT&SF Railroad and Crow Creek			_04/1 S(	
SECTION (125VBR)BR	_ 1	.oca1		Approx	4.8 miles south of IL Rt 17: NW 1/4, SEC.	20, T	WP. 2	9N, RN	IG <u>, 1</u> V
COUNTY Marshall DRILLIN	д ме	THOE	·	C1	AE 55 LCHISA HAMMER TYPE		Auto	matic	
STRUCT. NO. <u>062-0031 (existing)</u> Station	D E P	B L O	u c s	M 0 1	Surface Water Elev ft Stream Bed Elev ft	D E P	B L O	บ C S	M O I
BORING NO.         B-8           Station         301+23           Offset         13 ft Lt           Ground Surface Elev.         633.3	T H (ft)	W S (/6")	Qu (tsf)	. S т (%)	Groundwater Elev.: First Encounter602.3 ft ¥ Upon Completionft AfterHrsft	T H (ft)	W S (/6")	Qu (tsf)	S т (%)
ASPHALT - 10 inches 632.5	L				FILL: Brown and gray, silty clay (A-6) (continued)	-			
FILL: Brown, sandy clay loam, trace fine gravel (A-7) 631.1		2 2 4	0.5 P	14	With dark brown to gray silty clay loam, trace to some organics		1 3 4	1.2 B	33
FILL: Brown, sandy loam, trace fine gravel		2			SILTY CLAY LOAM: Brown (A-7)		2		
(A-7) Trace coal tar	-5	2	0.5 B	22		-25	2 3	1.0 В	21
FILL: Brown, clay loam (A-7)		2	0.7	25	605. SANDY LOAM: Brown, trace fine		2 3		
		3	В		gravel (A-2) <u>605.</u> SANDY CLAY LOAM: Light brown	3	3		
	-10	2 2 3	1.0 B	26	to tan, trace fine gravel (A-7)	-30	2 2 2	0.4 S/15	18
Becomes brown and gray		4			SANDY LOAM: Light brown to brown, fine to coarse, trace fine and coarse gravel	<sup>₿</sup>	4		
620.3		2 5	2.9 S/15	19	(A-2) No recovery at 31 feet - possible coarse gravel blocking		3	-	
FILL: Brown and gray, silty clay (A-6)		3	2.8	22	SPT shoe.	 	4	-	-
			P			- 36	6		
Becomes grayish brown and brown		2 1 3	0.8 B	28			6 9	-	-
•		-		<u>  .</u>			6		
	-2	2	0.6 B	30		-46	10 10	-	-

The Unconfined Compressive Strength (UCS) Failure Mode Is Indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation P Page <u>2</u> of <u>3</u> SOIL BORING LOG Division of Highways SCI Engineering, Inc. Date \_04/14/06 E \_\_\_\_\_\_\_Bridge Replacement (proposed SN 062-0086) Bridge Replacement (proposed SN 062-0086) FAP 698 (IL 89) DESCRIPTION \_\_\_\_\_\_ over AT&SF Railroad and Crow Creek \_\_\_\_\_\_ LOGGED BY \_\_\_\_\_\_ SCI ROUTE SECTION \_\_\_\_\_\_ (125VBR)BR \_\_\_\_\_ LOCATION Approx. 4.8 miles south of IL Rt 17; NW 1/4, SEC, 20, TWP, 29N, RNG, 1W COUNTY \_\_\_\_\_\_ Marshall \_\_\_\_\_ DRILLING METHOD \_\_\_\_\_\_ CME 55 LC(HSA \_\_\_\_\_\_ HAMMER TYPE \_\_\_\_\_ Automatic D B U M E L C O P O S I в U М Surface Water Elev.\_\_\_\_ Stream Bed Elev. \_\_\_\_ DE STRUCT. NO. 062-0031 (existing) 0 0 π P O S T W 602.3 ft ♥ H S Qu Groundwater Elev.: First Encounter 602.3 Upon Completion -After -SAND: Gray, fine to coarse, trace to some fine gravel (A-1) (continued) \_\_\_\_\_\_ft (ft) (/6") (tsf) (%) SAND: Gray, fine to coarse, trace to some fine gravel (A-1) SANDY CLAY LOAM: Grayish brown, with deposits of brown, fine to medium sand (A-7) 38 Mud rotary drilling started at 65 feet due to broken red head extension. Skin friction around augers caused breakage. After drilling completed - augers difficult to remove due to skin friction. 46 4.2 -65 70 S/5 SAND: Gray, fine, some silt (A-2) 10 10 -50 11 23 33 28 to some fine gravel (A-1) SAND: Gray, fine, some silt (A-2) (A-2) 15 15 12 -55 12 CLAY LOAM: Gray, trace fine \_\_\_\_\_\_558,8 \_\_\_\_\_ 34 4.5 54 P gravel (A-7) \_ 1 23 38 2.3 12 80 56 S/10 Becomes grayish brown, trace organics 12

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ROUTE	
SECTION	
COUNTY	
STRUCT. NO.	
Station	

F

BORING NO. Station \_\_\_\_\_ Offset \_\_\_\_\_ Ground Surface CLAY LOAM: G gravel (A-7) (continued)

LIMESTONE: No recovery 700 to 900 psi d 700 to 900 psi d during drilling at Driller indicat psi down pressu 96 feet. CLAYEY SHALL gray, and gray

TT	USER NAME = Jdeen	DESIGNED -	JOH	REVISED -		SOIL BORINGS		SECTION	COUNTY	TOTAL SHEET
dutchison Engineering, Inc.	PLOT SCALE = NONE	CHECKED -	BAN	REVISED -	STATE OF ILLINOIS		698	125(VBR)BR	MARSHALL	148 87
C1	PLOT DATE = 7/25/2013	DRAWN -	TAC	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 062–0086			CONTRACT	T NO. 68580
Shorewood, Illinois		CHECKED -	JOH/BAN	REVISED -		SHEET NO. 62 OF 62 SHEETS	ILLINOIS FED. AID PRO		ID PROJECT	

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) Illinois Depa of Transport Bivision of Highw SCIEnglivering,	tatio	ien on		so	IL BORING LOG	ì		Page Date	_	
FAP 698 (IL 89) DES	SCRIP	TION	Brid	ige Re over /	placement (proposed SN 062-0086) AT&SF Railroad and Crow Creek	LO				
(125VBR)BR	_ LO	CATI	0N _A	рргох	. 4.8 miles south of IL Rt 17; NW 1/4, 5	SEC. 2	2 <u>0, </u> T	WP.29	N, RN	<u>G. 1</u> W
Marshall DRILLING METHOD CME 55 LC/HSA HAMMER TYPE Automatic.										
<u>B-8</u> 301+23	E P T	B L O W S	U C S Qu	M 0 1 5 T	Surface Water Elev. 1 Stream Bed Elev. 1 Groundwater Elev.: First Encounter 602.3 Upon Completion	ft ft ¥	D E P T H	B O W S	U C S Qu	M O I S T
<u>13 ft Lt</u> ace Elev. <u>633.3</u> ft	(ft). (/	/6")	(tsf)	(%)	After Hrs.		(ft)	(/6")	(tsf)	(%)
Gray, trace fine					CLAYEY SHALE: Maroon, bluish gray, and gray (continued) Driller indicated hard drilling from about 101 to 101.5 feet.	-				
		26 27 52	4.3 B	13	SILTY LOAM: Gray (A-4)	528.8	-105	28 24 41	3.9 S/15	17
					SANDY SHALE: Bluish to greenish gray Driller indicated harder to drill at 106 feel.	527.3				
		24 29 43	5.9 B	13			-110	20 50/5" 50/3"	3.1 S/10	16
								50/2* 50/1*	4.5 P	15
		30 36 00/2)	5.0 S/10/	15	CLAYEY SHALE: Gray Boring terminated at 114.0 ft.	_520.3 _519.3	_	50/3" 50/1	1	_14_
Gray Gray ry. Driller indicated i down pressure at 95.5 feet.		50/0" 0/0.5j		-	· · · · ·					
cated 1,000 to 1,200 soure during drilling at <u>535.3</u> NLE: Maroon, bluish <sup>d</sup> y	-100	23 35 43	2.7 S/10	13			-12			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)