Illinois E of Trans	)ep; por	art tat	mei ion	nt	sc	DIL BORING LOG		-	<u>1</u> (	
ROUTE FAP 698 (IL 89)	_ DE	SCR	IPTIO	Bri	idge R over	eplacement (proposed SN 062-0086) AT&SF Railroad and Crow Creek	oggi			
SECTION (125VBR)BR		_ 1	OCA1		Approx	x, 4.8 miles south of IL Rt 17; NW 1/4, SEC.	20, T	<u>WP.2</u>	9N, RI	<u>IG, 1W</u>
COUNTY Marshall DR	ILLING	G ME	THOD		C	CME 550/HSA HAMMER TYPE		Auto	matic	
STRUCT. NO.  062-0031 (existing Station    BORING NO.  B-4    Station  297+10    Offset  20 (I Rt)    Ground Surface Elev.  609.9		D E P T H	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elevft Stream Bed Elevft Groundwater Elev.: First Encounter603.9 ft ¥ Upon Completionft AfterHrsft	DEPTH	B L O W S	U C S Qu (tsf)	M O I S T
GRASS & TOPSOIL - 12 inches				()		SAND: Gray, fine to coarse and GRAVEL, fine	<u> </u>		. ,	· /
FILL: Brown, sandy clay loam (A-4) and Brown, sandy loam (A-2)	608.9		3 4 2	0.3 B	17	(A-1) (continued) No recovery		7 8 10	•	
FILL: Gravish brown and Dark brown, sandy clay loam (A-4) and Brown, sandy loam (A-2)	606.9		2 2 4	0.8 P	16	Becomes grayish brown	-25	7 15 10	-	
GRAVEL: Fine (A-1) Poor recovery	604.4	¥	4	-				4	-	
SAND: Gray, fine to medium, trace to some day, trace fine gravel (A-2)	_601.9	-10	3 4 2 3					7 5 9 9		
	596.9		2 4 4	-						
SAND: Gray, fine to coarse, some fine gravel (A-1) Wash rotary drilling started at 13.5 feet.		-15	3 4 . 6	-			-36	5 8 10	-	
Poor recovery			4 7 8	-						
SAND: Gray, fine to coarse and GRAVEL, fine (A-1)	<u>591.9</u>	20	4	-				5		

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 Dep of Transpor	artme tation	nt 1	sc	IL BORING LOG		Page <u>2</u> of <u>3</u>			
ROUTE FAP 698 (IL 89) DE	SCRIPTIC	Br	idge R over	eplacement (proposed SN 062-0086) AT&SF Railroad and Crow Creek	DGG	ED BY	K	G	
SECTION (125VBR)BR	LOCA	TION	Approx	c. 4.8 miles south of IL Rt 17; NW 1/4, SEC.	20, 1	WP. 2	9N, RI	<u>IG. 1</u> V	
COUNTY Marshall DRILLING	g metho	D		ME 550/HSA HAMMER TYPE		Auto	matic		
STRUCT. NO.  062-0031 (existing)    Station	D B E L P O T W H S (ft) (/6"	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev.  ft    Stream Bed Elev.  ft    Groundwater Elev.:  First Encounter    Upon Completion  ft    After Hrs.  ft	D P T H (ft)	B L W S (/6")	U C S Qu (tsf)	M O I S ⊤ (%)	
SAND: Gray, fine to coarse and GRAVEL, fine A-1) (continued) SILTY CLAY LOAM: Gravish orown, trace fine gravel, organics A-6)				CLAY LOAM: Grayish brown, trace fine gravel, organics (A-7) (continued)					
Mud rotary drilling started at 83,5 feet.	12 31 -15 37	5.3 B	12		-65	17 28 43	8.2 B	10	
CLAY LOAM: Grayish brown, race fine gravel, organics (A-7)						14			
	22 40 	8.7 B	10			24	7.0 B	12	
	12 18 -55 33	9.4 B	11	Trace coal	-75	11 19 34	7.2 B	15	
				SiLT: Brown (A-4)	,	-			
	17 27 -60 35	6.8 B	11			17 23 50	3,1 S/15	22	

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)

TT	USER NAME = Jdeen	DESIGNED -	JOH	REVISED -		SOIL BORINGS	F.A.P.	SECTION	COUNTY TO	OTAL SHEET
Hutchison Engineering, Inc. Jacksonville, Peoria, &	PLOT SCALE = NONE	CHECKED -	BAN	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 062–0086	698	125(VBR)BR	MARSHALL	148 83
Shorewood, Illinois	PLOT DATE = 7/25/2013	DRAWN - CHECKED -	TAC JOH/BAN	REVISED - REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTORE NO. 002-0060 SHEET NO. 58 OF 62 SHEETS		ILLINOIS FED. A	CONTRACT N	NO. 68580

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Illinois Dep of Transpor	wavs			SC	IL BORIN	G LOG		-	<u>3</u> ( 08/1	-
ROUTE FAP 698 (IL 89) DE	SCRI	IPTIO	Br N	idge R over	eplacement (proposed AT&SF Railroad and C	SN 062-0086) row Creek1	.0GGi			
SECTION (125VBR)BR	_ L	OCA1		Appro	k. 4.8 miles south of IL I	RI 17; NW 1/4, SEC	. 20, T	WP. 2	9N, RI	٩ <u>G.</u>
COUNTY Marshall DRILLIN	G ME	тнор	·		ME 550/HSA	HAMMER TYPE		Auto	matic	
STRUCT. NO.  062-0031 (existing)    Station	D E P T H	B L W S (/6")	U C S Qu (tsf)	М О І S Т (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev. First Encounter Upon Completion AfterHrs.	ft 	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M 0 1 5 T (%
SILT: Brown A-4) (continued)	-				SILT: Brown (A-4) (continued)					
	-85	26 70 50/4"	1.5 P	28	Boring terminated at 1	505. 104,4 ft.	5	27 100/5	3.5 S/15	
								-		
Becomes grayish brown	-90	15 18 25	5.3 B	18			-110			
Becomes gray and brown	-95	16 26 33	1.2 B	21			-115			
			-						- 14 - 14	
	_	19 23 29	4.3 S/15	20						

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)