	epa por				SO	IL BORING LOG		D-4-	00/	7.00
ROUTE				Bri	idge Ri	eplacement (proposed SN 062-0086)			08/1	
FAP 698 (IL 89)						AT&SF Railroad and Crow Creek LO				
SECTION (125VBR)BR		_ [OCA1	ION _	Approx	:. 4.8 miles south of [L Rt 17; NW 1/4, SEC, 2	20, TV	VP. 2	9N, RI	IG.
COUNTY Marshall DR	ILLING	ME	THOD		C	ME 550/HSA HAMMER TYPE		Auto	matic	_
TRUCT. NO062-0031 (existing		D E	B	U	M	Surface Water Elev ft	D	B L	u c	M
Station		P	0	s	1	Stream Bed Elev. ft	Р	0	s	i
ORING NO. B-6 Station 299+11 Offset 21 ft Rt Ground Surface Elev. 609.3		T	w	Qu	S	Groundwater Elev.:	TH	w	Qu	5
Offset 21 ft Rt	~~		-			First Encounter 600.3 ft ▼ Upon Completion - ft After - Hrs ft				
	ft	(ft)	(/6")	(tsf)	(%)			(/6")	(tsf)	(%
RASS & TOPSOIL - 12 inches	608.3					SAND: Gray, fine to coarse, trace	-			
ILL: Dark brown, silty clay loam	_000.0		1			to some fine gravel (A-1)		7		_
\ -6)			2	1.4 S/15	25	With grayish brown, clay loam, trace fine gravel (A-7) deposit	\dashv	7 8	-	
	606,3		Ť			trace fine graver (A-7) deposit				_
ILL: Brown, fine to medium sand, ace fine gravel (A-1) and Dark			2			Becomes graylsh brown and	+	7		
rown, silty clay loam (A-6)			6	2,0	17	some fine gravel		50/4"	لـــــا	_
		-5	5	Р		-	-25			
		_					-			_
		_	3 2	0.8	17		-	3 7	_	
			3	'P	''	-	-	9	-	
ANDY LOAM: Brown, fine to	601.3					-				
oarse, trace fine gravel		.	3			Trace fine gravel	+	4		
A-2)		<u>-</u>	5	-	11			5 8	-	Ì
		-10	5				-30	. ii	-	\vdash
		_								
			5	_			-			
		_	5							
AND: Gray, fine to coarse, some	596,3					·				
ne gravel, trace clay			2			Some fine gravel		3	-	t
A-1) Wash rotary drilling started at			3	-				10 9	-	
3.5 feet.		-15	13	-			-35			t
			7	L	ļ		\Box			
			7	-		572.3	-			
			7			SAND: Grayish brown, fine to			1	

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)



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SCI Engineering							Date	08/1	7/09			
ROUTE FA	Bridge Replacement (proposed SN 062-0086) FAP 698 (IL 89) DESCRIPTION over AT&SF Railroad and Crow Creek							ogg	ED BY	K	:G	
SECTION	(125VBR)BR		_ L	OCAT	ION _	Approx	4.8 miles south of IL F	Rt 17; NW 1/4, SEC.	20, 1	WP. 2	9N, RI	VG. 1
COUNTYM	arshall DRILI	LLING METHOD				C	ME 550/HSA	HAMMER TYPE		Automatic		
STRUCT. NO0 Station	62-0031 (existing)		D E P	вьо	UCS	M O I	Surface Water Elev. Stream Bed Elev.	ft ft	DEP	B L O	U C S	M O
BORING NO	B-6 299+11 21 ft Rt		T H	w	Qu	S T	Groundwater Elev.: First Encounter	600.3 ft ▼	T	w	Qu	S
Ground Surface	Elev. 609.3	ft ((ft)	(/6")	(tsf)	(%)	After Hrs.	π - ft		(/6")	(tsf)	(%)
SAND: Grayish b coarse and GRAV (A-1) (continued)	EL: Fine						SANDY CLAY LOAM: brown, trace fine grave (A-6) (continued)	el	_			
SAND: Grayish b GRAVEL: Fine to (A-1)	rown, fine and coarse	67 <u>.3</u> _					CLAY LOAM: Graylsh trace fine gravel, trace (A-7)	brown, wood	_			
SILTYCLAYLOA	M: Gravish	64 <u>.8</u>	-45	4 17 25	4.5 P	16				16 31 45	7,8 B	14
brown (A-6)		_	-45						00			
CLAY LOAM: Gra trace fine gravel (A-7)	ayish brown,	<u>62,3 </u>					SILT: Brown (A-4)	542.3				
Mud rotary drill 48.5 feet.	ing started at	-	-50	14 26 34	6.5 B	12			-70	29 40 54	3.1 S/16	18
		_						507.4				
			_				CLAYEY SHALE: Graggray	537.3 ay and olive				
		~	-55	17 27 37	7.6 B	12	Weathered - non-fi	ssile	-78	12 26 50	3.8 P	18
		-							_			
SANDY CLAY LO brown, trace fine ((A-6)	AM: Grayish pravel	<u>52,3 </u>					Weathered rock ar	nd brown				
		_	-60	20 56 44	6.9 B	15	shale Poor recovery Boring terminated at 7		-80	100/1	<u> </u>	13

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	US
utchison Engineering, Inc.	PL(
Jacksonville, Peoria, &	PL(

	USER NAME = Jdeen	DESIGNED	-	JOH	REVISED -
C.	PLOT SCALE = NONE	CHECKED	-	BAN	REVISED -
	PLOT DATE = 7/25/2013	DRAWN	-	TAC	REVISED -
		CHECKED	-	JOH/BAN	REVISED -

STATI	E OI	F ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

SOIL BORINGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 062-0086	698	125(VBR)BR	MARSHALL	148	85
31NUCTURE NO. 002-0000			CONTRACT	NO. 6	8580
SHEET NO 60 OF 62 SHEETS		TILITMOTE EED AT	T DDO IECT		