Illinois Dep of Transpor	ways	me tion	nt	sc	DIL BORING LOG		1 (
ROUTE FAP 698 (IL 89) DE	SCR	IPTIO	Br	idge R over	eplacement (proposed SN 062-0086) AT&SF Railroad and Crow Creek LOG		<u>08/1</u> 'KE	
SECTION (125VBR)BR	1	OCAT		Appro	x. 4.8 miles south of IL Rt 17; NW 1/4, SEC. 20	TWP.2	9N, RI	<u>IG. 1V</u>
COUNTY Marshall DRILLIN	g me	THOD	·	(DME 550/HSA HAMMER TYPE	Auto	matic	
STRUCT. NO. 062-0031 (existing) Station	DEPTH	B L O W S	U C S Qu	M O I S T	Surface Water Elev. ft Stream Bed Elev. ft Groundwater Elev.: ft First Encounter 601.1 ft Upon Completion ft	L W	ນ ເຮ Qu	M O I S T
Ground Surface Elev. 609.6 ft GRASS & TOPSOIL - 12 inches	(14)	(/6)	(tsf)	(%)		() (/0)		(%)
FILL: Dark brown, clay loam (A-7)		1 2 2	0.9 B	27	SAND: Gravish brown, fine to 589.1 coarse and GRAVEL: Fine	6 8 7	-	
FILL: Dark brown, sandy clay Foam, trace fine gravel (A-4)		WH 1 3	0.2 B	21		6 10 25 11	-	
SAND: Brown, fine to coarse, Irace clay, fine gravel (A-1)		4 4 3	-	10	GRAVEL: Fine to coarse584.1 (A-1)	9 15 12	-	
SANDY LOAM: Brown, line to coarse, trace to some line gravel (A-2)	▼	2 2 1	-		SAND: Gravish brown, coarse581.6 and GRAVEL: Fine (A-1)	6 10 30 11		
Becomes gray, trace to some clay		2 3 3						
SAND: Gray, fine to coarse, trace fine gravel (A-1) Wash rotary drilling started at 13.5 feet.	 - <u>-15</u>	1 8 6	-			6 14 35 11	-	
		5 6 6	-		SAND: Gray, coarse and GRAVEL: Fine			
		6 6 7	-		(A-1) –	4	-	

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)

(P	SCI En	n of High sincering	ways				IL BORIN				08/1	
ROUTE	FAP 698 (IL 89)	_ DE	SCR	PTIO	Br N	idge R over	eplacement (proposed AT&SF Railroad and C	SN 062-0086) Crow Creek L0	ogg	ED BY	K	EG
SECTION	(125VBR)BR		L	.0CA ⁻	ี เอง	Approx	<. 4.8 miles south of IL	Rt 17; NW 1/4, SEC.	<u>20,</u> T	WP.2	9N, RI	1G. 1
COUNTY	Marshall DR	ILLING	9 ME	тнос	·		ME 550/HSA	HAMMER TYPE		Auto	matic	
Station BORING NO. Station Offset	B-5 297+91 19 ft Lt face Elev. 609.6	_	D E P T H	B L O W S	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion		P	B L ₩ S (/6")	U C S Qu (tsf)	M O I S T (%)
	LOAM: Brown, trace		_		(10)7	(14)	CLAY LOAM: Gravis trace fine gravel, orga (A-7) (continued)				((0))	(),
			-45	5 20 32	5.2 S/15	14			-65	12 25 41	6.3 8	12
		•		24 34 38	3.0 \$/10	14			-70	13 25 41	8.5 B	13
CLAY LOAM: trace fine grav (A-7)	Gravish brown.	557.6										
			455	10 23 35	8.3 B	12			-75	15 31 47	9.0 B	16
		•					SILTY LOAM: Gravi trace organics (A-4)	ish brown,				
				12 23 40		13				15 27 47	7.0 S/15	

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)

(T	Y
ROUTE	

BORING NO. ______ Station ______ Offset ______ Ground Surfac SILTY LOAM: G trace organics (A-4) (continued)

Boring terminate

TT	USER NAME = jdeen	DESIGNED - JOH	REVISED -		SOIL BORINGS	F.A.P.	SECTION	COUNTY	TOTAL SHEET
utchison Engineering, Inc.	PLOT SCALE = NONE	CHECKED – BAN	REVISED -	STATE OF ILLINOIS		698	125(VBR)BR	MARSHALL	148 84
Jacksonville, Peoria, & Shorewood, Illinois	PLOT DATE = 7/25/2013	DRAWN - TAC	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 062–0086	-		CONTRACT	T NO. 68580
		CHECKED – JOH/BAN	REVISED -		SHEET NO. 59 OF 62 SHEETS		ILLINOIS FED. A	ID PROJECT	

v:\transportation\3013\cadd_sheets\0620086-68580-059 -SOIL BORINGS.dgn

Date Option Date Option ROUTE FAP 698 (L 69) DESCRIPTION Over AT&SE Relifered and Crow Creek LOGGED BY K0 SECTION (125VBR)BR LOCATION Approx.4.8 miles south of L R1 17; NW 1/4, SEC, 20, TWP. 29N, R1 COUNTY Mershall DRILLING METHOD CME 550/HSA HAMMER TYPE Automatic COUNTY Mershall DRILLING METHOD CME 550/HSA HAMMER TYPE Automatic Station B-5 I T W S I Stream Bod Elev. ft Station B-5 I T W S I Stream Bod Elev. ft Station 91 U.L T W S I Stream Bod Elev. ft Station 90 (L 69) ft (ft) (6 ⁽⁶⁾) (ts9) (%) After			t SO		g log	Page <u>3</u> of <u>3</u>
COUNTY Marshall DRILLING METHOD CME 550/HSA HAMMER TYPE Automatic STRUCT. NO. 062-0031 (existing) E E 0 N Surface Water Elev. ft BORNG NO. B-C H S 0 Strawn Bod Elev. ft BORNG NO. B-C H Y Qu T Strawn Bod Elev. ft Ground Surface Elev. 19.1L H S Qu T Strawn Bod Elev. 6011 ft T. Ground Surface Elev. 603.6 ft (ttp) (r6") (ts0 (x) Strawn Bod Elev. 6011 ft T. Groundwater Elev. ftrawn Bod Elev.	BOURN		Bridge R	eplacement (proposed S	N 062-00861	Date <u>08/18/09</u>
STRUCT. NO. 0.062-0031 (existing) D B U M Surface Water Elev	SECTION (125VBR)BI		ON Approx	. 4.8 miles south of IL R	t 17; NW 1/4, SEC. 20	TWP. 29N, RNG. 1V
STation 207:001 E L C O Stream Bod Elev. ft BORING NO. 6-5 T W S Groundwater Elev. First Encounter 601.1 ft ¥. Ground Surface Elev. 609.6 ft (ft) (ft) (ft) (ft) (ft) (ft) (ft) First Encounter 601.1 ft ¥. SILTY: Conduct Crayish brown, trace organics	COUNTY Marshall	DRILLING METHOD	C	ME 550/HSA	HAMMER TYPE	Automatic
SILTY LOAM: Grayish brown, trace organics	Station B-5 BORING NO. B-5 Station 297+91 Offset 19 ft Lt	E L P O T W H S (CO SI SQU T	Stream Bed Elev Groundwater Elev.: First Encounter Upon Completion	ft ft ft	
- 17 - 31 - 35/15 - - <t< td=""><td>SILTY LOAM: Grayish brown, trace organics (A-4) (continued) SILT: Grayish brown and brown</td><td></td><td>tsf) (%)</td><td>After Hrs</td><td><u> </u></td><td></td></t<>	SILTY LOAM: Grayish brown, trace organics (A-4) (continued) SILT: Grayish brown and brown		tsf) (%)	After Hrs	<u> </u>	
CLAYEY SHALE: Gray, marcon, and olive gray - Weathered - non-fissile 17 SANDY LOAM: Gray, fine 520.1 - 24 - - - - CLAYEY SHALE: Gray (fissile) - - -	(2-4)	31				
SANDY LOAM: Gray, fine 520.1 24 1.3 22 (A-2) oc 52 P 2 CLAYEY SHALE: Gray (fissile) - - - 100/7 - 15 - - - 100/7 - 15 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	and olive gray					
CLAYEY SHALE: Gray (fissile)		<u>520.1</u> 24 00 52				
	CLAYEY SHALE: Gray (fissile)					
100/81		95				
Boring terminated at 99.2 ft15_	Boring terminated at 99.2 ft.	510.4				

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)