Illinois Department of Transportation Distance of Tiggersys SOIL BORING LOG								Page <u>1</u> of <u>3</u> Date <u>08/20/09</u>				
FAP 698 (IL 89)	DES	CR	PTIO	Br N	idge R over	eplacement (proposed SN 062-0086) AT&SF Railroad and Crow Creek LC						
SECTION (125VBR)BR		L	.OCA1		Approx	k. 4.8 miles south of IL Rt 17; NW 1/4, SEC.	20, T	WP.2	9N, RI	VG. 1		
COUNTY Marshall DRI	LLING	ME	тнор		C	ME 550/HSA HAMMER TYPE		Auto	matic			
STRUCT. NO. <u>062-0031 (existing)</u> Station BORING NO. <u>B-3</u>	-	DEPTH	B L O W S	U C S Qu	M O I S T	Surface Water Elevft Stream Bed Elevft Groundwater Elev.:	DEPTH	BLOWS	U C S Qu	M O I S T		
Station  296+52    Offset  19 ft Lt    Ground Surface Elev.  612.2	ft	(ft)	(/6")	(tsf)	(%)	First Encounter603.7 ft ▼ Upon Completionft After - Hrsft	(ft)	(/6")	(tsf)	(%)		
GRASS & TOPSOIL - 12 inches	611.2			•••		SAND: Gray, fine to coarse, some fine gravel	·					
FILL: Dark brown, sandy clay loam, trace, fine gravel, roots (A-6)	. عدالية	_	5 6 6	2.8 P	19	(A-1) (conlinued)		5 9 8	-			
FILL: Gray, sandy clay (A-6) and Grayish brown and brown sandy clay (A-6)	609,2		2 2 1	0.5 B	22	Becomes grayish brown		5 10 9	-			
SANDY LOAM: Brown, fine to medium, trace to some fine gravel (A-2)	6 <u>06.7</u>		5 5 6		13	SAND: Gravish brown, fine to 586,7 coarse and GRAVEL: Fine (A-1)		5 9 11	-			
SAND: Brown, fine to medium, trace fine gravel (A-3)	604.2	¥	1	-				5 7 13	-			
Wash rotary drilling started at 11 feet,		-10	3 2			580.2		15				
SAND: Gray, fine to coarse, some fine gravel	<u>599.2</u>		5			SAND: Gray, fine to coarse, some fine gravel (A-1)		8				
(A-1)		-15	5	-			-35	12 10	-			
			3 5 6	-		SAND: Gravish brown, fine to coarse and GRAVEL: Fine	2					
		-20	4 5 7	-		(A-1)		8 15 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)

Illinois Dep of Transpor	SC	IL BORIN	G LOG		-	<u>2</u> (				
ROUTE FAP 698 (IL 89) DE	SCR	IPTIO	Br	idge R over	eplacement (proposed AT&SF Railroad and C	SN 062-0086) Crow Creek L	OGG			
SECTION (125VBR)BR	L	OCA1		Approx	<. 4,8 miles south of IL	Rt 17; NW 1/4, SEC.	. 20, <b>T</b>	WP. 2	9N, RI	IG, 1
COUNTY Marshall DRILLIN	G ME	THOD			ME 550/HSA	HAMMER TYPE		Auto	matic	
STRUCT. NO. 062-0031 (existing)    Station	D E P T H	O W S	U C S Qu (tsf)	M O I S ⊤ (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs.	ft 	D E P T H	B L O W S (/6")	ป C S Qu (tsf)	M O I S T (%)
Ground Sunder Every 0.22,2 It SAND: Graybis horwn, fine to coarse and GRAVEL: Fine (A-1) (continued)		(14)	()	(10)	CLAY LOAM: Grayls trace fine gravel, trac (A-7) (continued)	h brown,		(10)	(151)	(70)
No recovery	-45	33 32 37	-				-65	16 32 43	8,7 B	12
CLAYLOAM: GrayIsh brown, trace fine gravel, trace organics (A-7) Hard drilling observed from about 46 to 47.5 fest.										
	-50	13 24 35	8.5 B	11			-70	14 25 41	7.6 B	12
	-55	11 24 26	7.2 B	11			-75	15 27 37	8.8 B	16
					SILT: Grayish brown organics (A-4)	n, trace535.	<u>5</u> . —	كمسابية بالرجية والمسابعة منا		
		14 30 43	7.4 B	10				15 31 39	3.7 S/15	21

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 TOTAL SHEET
Jacksonville, Peoria, & Shorewood, Illinois		CHECKED - BAN	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 062–0086	698 125(VBR)BR	MARSHALL 148 82
	PLOT DATE = 7/25/2013	DRAWN - TAC CHECKED - JOH/BAN	REVISED -	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 68580
··· ) +································		CHECKED - JOH/ BAN	REVISED -		SHEET NO. ST OF 02 SHEETS	ILLINUIS FED.	AID PRUJECT

SC) Engin									08/2	
FAP 698 (IL 89)										
SECTION (125VBR)BR										NG.
COUNTY Marshall DRIL	C	ME 550/HSA	PE							
STRUCT. NO. O62-0031 (existing)    Station	.   E	0	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev. First Encounter Upon Completion After Hrs.	fi	E P T ¥ H		U C S Qu (tsf)	N C I S T (%
SILT: Grayish brown, trace organics (A-4) (continued)					SILT: Grayish brown organics (A-4) (continued)	h, trace				
	-85	20 34 50	1.4 S/15	29	CLAYEY SHALE: C Weathered - non-		-105	15 27 31	1.6 B	1
Becomes gray		32	4.1	21	Weathered - non weathered rock frag			19 23	1.8	
	 	1.11	9,1 S/15	21			<u>-110</u> 	-	S/10	
Becomes grayish brown and brown	-95	29 37 38	2.6 \$/10	22	Becomes fissile Boring terminated a		496.3			
					-					
Becomes brown		23 32	3,8	21				-		

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