of Transportation Division of Highways Illinois Department of Transportation				-	SOIL BORING LOG	D	ate i	10/23,2	24/2
ROUTE FAP 685 DESC	FAP 685 DESCRIPTION IL Route 9 over Shaw Creek - Culvert			LOGGED BYSCI					
SECTION 37 BR-1	_ L(DCATIO			ximately 0.8 mile east of IL 41; NW 1/4, S	iec. 19,	TWP,	7N, RN	G. 18
COUNTY McDonough DRILLING ME	THO	D			ude , Longitude CME 750 w/HSA HAMMER TYPE		Auto	matic	
STRUCT. NO.	D	в	U	м	Surface Water Elevft	D	в	U	м
Station	E P	L O	C S	0 I	Stream Bed Elevft	E	L 0	C S	0 I
4	T	Ŵ		s	Groundwater Elev.:	т	w	J	s
	н	S	Qu	Ť	First Encounter Not Observed ft	н	s	Qu	т
Station 574+58 Offset 10 ft Rt					Upon Completionft				
Ground Surface Elev596.0ft (ft)	(/6'')	(†sf)	(%)	After Hrs ft	(f+) (/6")	(†sf)	(%)
ASPHALT - 7 Inches 595.4					SAND: Grayish brown, fine (A-3) (continued)		WH	-	18
CONCRETE ~ 10 Inches 594.6					Mud rotary drilling started at		1 2		
FILL: Brown clay, trace sand, fine	\rightarrow	1			19.5 feet.		2 3	-	
gravel	-+	2	2.1	16			3		
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		2	s				3		
		2					4	-	
592.0		3 3	2.0	20			5		
FILL: Brown slity clay, trace sand (A-7) 591.0	<u> </u>	3	В				2 4		
FILL: Brown clay, trace sand, fine	-5	2	0.9	16	1	-25	4		
gravel	-	3	В			+	3		
(A~7) —		3]		4	-	
-	[2	2.7	22			4		
Becomes gray Recomes graenish gray and	-+	3	В		4		2 3		
Becomes greenish gray and — bluish gray —		2	0.5	25			3	-	
	-	2	P	2.5		-+-	3		
		1			1		3	-	
	-10	2	0.3	32		-30	3		
	_	2	Р		-		3		
585.0 FILL: Dark brown silty clay, trace		2	1.0	31			3 6	-	
sand	-	2 3	1.0 B	21		-+-	3		
(A-6) <u>583.7</u>		1					6		
PEAT: Black		1	<0.25	69	1		13		
582.5	\neg	2	Р		4		9		
SILTY CLAY LOAM: Dark brown, trace to some organics		1			4		11 13	~	
(A-7) 581.0		2	0.8 B	48		75	8		
CLAY: Gray and bluish gray 580.5	-13	1			1		8		
(A-7) 580.0		1.	<0.25	43	1		8		
SILTY CLAY LOAM: Black, some organics		• 1	Р		Deposits of fine to coarse		4		
(A-6)		1			gravel from about 36 to 37.5 feet.		6	-	
SANDY CLAY: Gray and dark	\neg	1 2	0.5 B	22			10 6		
brown, trace fine gravel	+	1			1		6	-	
Becomes grayish brown 577.0		2	<0.25	22	1		9		
SAND: Grayish brown, fine	1	4	Р		Sample Inadvertantly drilled				
(A-3)	-20	WH	L		through.	-40			
The Unconfined Compressive Strength (UC The SPT (N value) is the sum of the last					ach sampling zone (AASHTO T206)	ətər) form 13	37 (Re	əv. 8-9	99)



The Unconfined Compressive Strength (UCS) Failure Mode The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

FILE NAME = BOX CULVERT EXT \$FILEL\$ DRAWN - SEC REVISED ~ STATE OF ILLINOIS BORING LO PLOT SCALE = NTS CHECKED - ----.REVISED -DEPARTMENT OF TRANSPORTATION PLOT DATE = 9/23/2009 DATE ~ 9/23/09 REVISED ~ SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS

SOIL BORING LOG

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Date 10/23,24/2008

IL Route 9 over Shaw Creek - Culvert LOGGED BY SCI

LOCATION Approximately 0.8 mile east of IL 41; NW 1/4, Sec. 19, TWP, 7N, RNG. 1E Latitude , Longitude

~~~~	AE 750 W/HSA HAMMER TYPE		AUTO	omatic	
м		D	в	U	м
0	Surface Water Elev ft	E	L	c	0
I	Stream Bed Elevft	P	ō	s	I
s		T	Ŵ	Ŭ	s
т	Groundwater Elev.:	н	s	Qu	т
'	First Encounter Not Observed ft	n	3	40	'
	Upon Completionft				
2	After Hrsft	(f†)	(/6")	(†sf)	(%)
- 11					
- 11					
					·
					1
					1
				I	I

BBS, form 137 (Rev. 8-99)

## EFK • Moen, LLC Civil Engineering Design

CTENSION OGS		F.A.S. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.				
		685	37BR-1	MCDONOUGH	138	42				
				CONTRACT	NO. 6	8352				
STA.	TO STA.		ILLINOIS FED. AID PROJECT							