of Transportation				5	OIL BORING LOG				
Division of Highways SCI Engineering, Inc.							Date	1/	7/09
FAP 665 (IL 116) & FAP ROUTE	CRIPT	ION			Culvert Boring Lo	OGGED	ВҮ	s	CI
(136, 137)W&RS-3 136R;									
SECTION 109BR-2	L	OCATIO	N	Media	Township; SW 1/4, SEC. 35, TWP. 9N, RNG. 4	W,			
COUNTY <u>Henderson</u> DRILLING	METHO	D D			ME 45 w/HSA HAMMER TYPE		Auto	omatic	
STRUCT. NO036-0034 (existing)	D	В	U	М	Surface Water Elev. 733.10 ft	D	В	U	М
Station	E	L O	C S	0	Stream Bed Elev. 730.70 ft	E	. L	C	0 I
	T	w	3	s			W	3	S
BORING NO. 53	н	S	Qu	T	Groundwater Elev.:		s	Qu	T
Station <u>19+67</u>		-			First Encounter 724.1 ft ▼			""	•
Offset 11 ft Lt					Upon Completion 733.1 ft $\nabla$				
Ground Surface Elev. 742.1 ft ASPHALT - 2 inches 741.9	***************************************	(/6")	(tsf)	(%)	After Hrs. <u>Backfilled</u> ft SANDY LOAM: Gray (A-2)	(ft)	(/6")	(†sf)	(%)
ASPHALT - 2 Inches ,741:9 FILL: Milled asphalt and crushed	-				(continued)				
rill: Milled asphalt and crushed rock					Noon Naga/				
		4	ļ				16		
740.1		5	2.5	19			26	1.3	20
FILL: Brown and dark brown		5	P			·	40	S	
sandy clay loam (A-6)									
738.6			1						
738.6 FILL: Dark brown clay loam (A-7)		3	l				18		
No recovery - auger cuttings		3	~	30			100	-	18
obtained.	-5	4		l		-25			
736.6				<u> </u>					
CLAY: Dark brown (A-7)									
•		1			Trace thin organic deposits		28		
		3	0.9	33			100	0.9	21
		3	В	33			100	\ s	
				<del> </del>				<u>                                     </u>	
734.1 SILTY CLAY LOAM: Gray (A-7)									
SIETT CEAT COAM. OF GY TA TY							_		
	$\bar{\Delta}$	1					5		
		1	0.3	27			9	-	28
	-10	3	В		·	-30	9		
731,6									
SANDY CLAY LOAM: Gray, frace									
to some fine gravel (A-6) Approximately 8 inches of soft		2			Harder drilling at 32 feet.		1		
sediment observed in stream bed		2	1.2	13	710.	1			
south of bridge to approximate El.		5	S	1	SILTSTONE with SANDY SHALE:		1		
730. 729.1					Gray				
SANDY LOAM: Gray (A-2)		1							
		2					100	<del>  -  </del>	10
		4	-	20	Upon removal of lead auger, 707.				
	-15	4			carbide teeth were worn off.				
	15	<del> </del>	<del> </del>	<del> </del>	End of Boring at 34.5 ft.	-35	1		,
							1		
		2					ļ		
		5	0.8	20					
		7	5						
	<u>Y</u>		ļ						
		1		1	,		1	1	1
		12		<u> </u>					1
	<del></del>	12	0.9	20					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) AASHTO Classifications are based on visual classifications unless otherwise noted. BBS, form 137 (Rev. 8-99) Illinois Department

Page <u>1</u> of <u>1</u>

of Transportation				5	OIL BORING LOG				
Division of Highways SCI Engineering, Inc.							Date	1/	7/09
FAP 665 (IL 116) & FAP								***************************************	
OUTE 534 (IL 94) DESCRIPTION					Culvert Boring	_ LOGGED	BY	SCI	
(136, 137)W&RS-3 136R;									
SECTION 109BR-2	Ł	CATIO	)N	Media	Township; SW 1/4, SEC. 35, TWP. 9N, RN	G. 4W,			
COUNTY Henderson DRILLING	METH	OD			CME 45 W/HSA HAMMER TYPE		Auto	matic	
		T	Γ			<del></del>	1		
STRUCT. NO036-0034 (existing)	D	В	U	М	Surface Water Elev. 733.10 f	+ D	В	U	М
Station	E	L	C	0	Stream Bed Elev. 730.70 f	+   -	L	С	0
	P	0	S	I		١٣	0	S	I
BORING NO. 54	T	W	l _	S	Groundwater Elev.:	T	W		S
BORING NO. 54 Station 20+38	Н	S	Qu	T	First Encounter730.4 f	+ <b>y</b> H	S	Qu	T
Offset13 ft Rt		j			Upon Completion 729.4 f				
Ground Surface Elev. 741.4 ff	t ( <del>f</del> t)	(/6")	(tsf)	(%)	After Hrs. Backfilled f	1	(/6")	(†sf)	(%)
CRUSHED ROCK ~ 8 Inches		† <u> </u>		<del></del>	SANDY LOAM: Gray (A-2)	1/11/	100	11317	
estimated	.7	1			(continued)		1		
FILL: Brown slity clay loam (A-7)	********	3					6		
		1 2	2.0	24	1		15	2,8	19
		3	P	~ '			28	2,0 P	15
		<u> </u>	<u> </u>	ļ			20	Р	
		1	1				]		
		]		1					
737	.4	1					17		
FILL: Brown and dark brown silty		2	0.5	29			46	0.7	20
clay (A-6)	~F	3	P			-25	97	S	
735	۵	1		<b>†</b>			<del> </del>		
CLAY LOAM: Dark brown (A-7)	•2	1					1		
		1	l				27		
		1	0.4	32			100		
		2	1	J2			100		17
			В						
733	.4	]							
SANDY CLAY LOAM: Gray, frace					Becomes light brown, trace to		1		
organics (A-7)		] 1			some organics and trace fine		1 4		
731	9	2	0.6	20	gravel	*	5	-	24
SANDY LOAM: Gray, trace fine	-10	4	В				8		
		4	<del> </del>	<del> </del>	1	30	<del> </del>		
CLAY LOAM: Brown (A-7)		1				-	ł		
Approximately 8 inches of soft	Ţ	1			Hard drilling at 32 feet.		1		
sediment observed in stream bed		2	1.9	17	1		1		
south of bridge to approximate El.	Δ_	3	В	*'	SILTSTONE WITH SANDY SHALE:	709.4	100		
730.			5		Gray		100		18
Becomes gray and brown 728	.4								
SANDY LOAM: Gray (A-2)			l		Carbide teeth on lead auger worn		1		
		2			off in B-53. Additional augering	707.4	100	-	16
		4	2.5	20	William occord load dagor iii b 34	<u> </u>	<b>†</b>		
	-15	5	P		stopped at 33.5 feet due to		1		
		1	<del>                                     </del>	<del>                                     </del>	possible breakage or excessive wear on carbide teeth.	35	1		
•		1		1	End of Boring at 34.0 ft.		1		
·		3			Line of borning of 34.0 TT.		1		
		5	3 =	1-10-			1		
		1	2.5	19		-	1		
		6	Р	<u> </u>			]		
		]					1		
•				1		***************************************	1		

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The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) AASHTO Classifications are based on visual classifications unless otherwise noted, BBS, form 137 (Rev. 8-99)

FILE NAME =	USER NAME = _USER_	DESIGNED ~	REVISED -	
\D488773-sht-soil.dgn	,	DRAWN ~	REVISED -	STATE OF ILLINOIS
THE HEALINGH ABOUT ING	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION
THE UPCHURCH GROUP, INC.	PLOT DATE = 2/19/2009 2:15:48 PM	DATE -	REVISED -	

		SOIL BORINGS											
	COUNTY	ROAD	8	(1900	E)	OVER	В	RANCH	0F	HONEY	CI		
CAL E.		SHEET	NO	OE.		CHEET	-	CTA		70	CT.		