Illinois Depa of Transport	ation	nt		S	OIL BORING LOG		Page	
							Date	
					Relocated Illinois. Route 3			1
					/4, NW 1/4, SW 1/4, SEC. 12, TWP. 2N, RN			
COUNTY St. Clair / Madison DRILL	ING ME	THOD	Hollo	w Ste	em Auger and Mud Rotary HAMMER TYPE	140	Q Ib Au	uto
STRUCT. NO.         SN 082-0334/0335           Station         1651+95           BORING NO.         SB 167	D E P	B L O W	U C S	M 0 1 s	Surface Water Elev. ft Stream Bed Elev. ft Groundwater Elev.:	D E P T	B L O W	1
Station   1651+95	H (ft)	S (/6")	Qu (tsf)	(%)	First Encounter 405.2 ft V Upon Completion ft	H (ft)	S (/6")	0
Very loose, black, sandy LOAM with cinders and slag (FILL)	-	(,,,	(131)	(70)	After Hrs. ft Soft to medium stiff, brown to gray, sifty LOAM (continued)	-	(10)	(1
		2		-			1	Ĺ.
Very soft to soft, black, silty LOAM and cinders	2.2	2		-	391.2		1	-
	$\exists$	2			Loose, gray, sandy LOAM	_	1	
m of Footing Pier No. 1 N.B.	-5	2 2	1			-25	4	
_	<u>-</u>	2 WH 1			Very loose to medium dense, gray, fine SAND  (Wash no. 200 sieve performed) -(began mud rotary wash at 27.5 ft.)		WR WR 1	
Very soft, gray, silty CLAY 405 (Alluvium)		1 WH	1.3			=	6	
Very loose, gray, sandy LOAM	-10	1	Р			-30	8	
Soft, gray, silty CLAY	7	1				4	7	
Soft, gray, silty LOAM	$\neg$	2	1.0 P				9	
Stiff, gray, silty CLAY with silty LOAM seams	Ē	1			-	7	4	
398	-15	2	1.4 B		(Wash no. 200 sieve performed)	-35	5 8	
Medium stiff, brown to gray, silty CLAY 397.		1			-	1	4	
Soft to medium stiff, brown to gray, sifty LOAM			0.7   B		-	$\exists$	8 9	
		vн			-	7	4	
		2				-40	5	

Illinois Department of Transportation				SOIL BORING LOG					Date7/3/01				
ROUTE FAP 788 D	ESCR	IPTIO	N		Rejocated Illinois Pouts 3	1000							
SECTION 520-1,2								IVI.E	. (13)				
					m Auger and Mud Rotary HAMMER TYPE			to Har	nmer				
STRUCT. NO. SN 082-0334/0335 Station 1651+95	D E P	B L O W	U C S	M O I	Surface Water Elevft Stream Bed Elevft	D E P	B L O	UCS	M 0 1				
BORING NO.   SB 167     Station   1651+95     Offset   13.00ft E     Ground Surface Elev.   414.20   ft	Н	S (/6")	Qu (tsf)	T (%)	Groundwater Elev.:   First Encounter		W S (/6")	Qu (tsf)	S T (%)				
Very loose to medium dense, gray, fine SAND (continued)	_	3			Dense to very dense, gray, medium to coarse SAND (Glacial Outwash) (continued)		(,,	(01)	(70)				
(Wash no. 200 sieve performed)	$\exists$	7			Medium dense to dense, gray, coarse SAND, trace fine gravel	2							
	45	5 6 8			(Wash no. 200 sieve performed)	-85	14 12 7						
pense to very dense, gray,		8 11 13 14 19 20			-Driller reports suspected cobbles	-70	15 14 13 13 14 11 19						
-	7	21 29 31				-80							

Illinois Depart of Transporta	tme	nt		S	OIL BORING LOG	Page	3	of
Division of Highways TSI Engineering							7	
					Relocated Illinois. Route 3 LOG		M.E	. (T
					4, NW 1/4, SW 1/4, SEC, 12, TWP, 2N, RNG, 1			
COUNTY St. Clair / Madison DRILLIN	IG ME	THOD	Hollo	w Ste	m Auger and Mud Rotary HAMMER TYPE1	40 lb Au	ito Hai	mme
STRUCT. NO. SN 082-0334/0335 Station 1651+95	D E P	B L O	200	M	Surface Water Elev. ft Stream Bed Elev. ft E	L	U	M
BORING NO. SB 167	T	W	S	S	Groundwater Elev.:		S	S
Station 1651+95 Offset 13.00ft E	н	S	Qu	Т	First Encounter 405.2 ft ▼ H	s	Qu	Т
Ground Surface Elev. 414.20 ft	(ft)	(/6")	(tsf)	(%)	Upon Completion ft After Hrs ft (ft	(/6")	(tsf)	(%
Medium dense to dense, gray, coarse SAND, trace fine gravel (continued)	_				Medium dense to dense, gray, coarse SAND, trace fine gravel (continued)			
	-				-	-		
	_				-	-		
	-95							
Mark as 200 sizes a seferm a		5	-			15	_	-
(Wash no. 200 sieve performed)	-85	6			_10	1		
	_ =	İ	1		_	1 1		
	_	j				]		
		ļ						
	$\dashv$					łĺ		
	=	- 1					ļ	
	-90	Į	ĺ	ĺ	-Auger refusal at 110 ft. 304.2 -110		ı	
	-	1	ı	ı	See Rock Core Lng			
	I	ļ	Ì			1 1		
	$\exists$		j	ı				
						1 1	ĺ	
	-	9						
	-95	10			-			
		+			<u>-115</u>			
	$\dashv$			ı				
	_					ĺ		
	-							
-								
	-100		-		-120 cated by (B-Bulge, S-Shear, P-Penetrometer)			

(A)	of Transpor	rtation F	ROCK C	ORE LO	)G	G Page 4					
								Date			
		DESCRIPTION							Ε.		
		LOCATION SE		/4, SEC. 12, TW	P. 2N	RNG	. 10W		_		
COUNTY St. C	lair / Madison CO	RING METHOD NX Core				R	R	CORE			
STRUCT, NO Station _	SN 082-0334/0335 1651+95	CORING BARREL TY	E & SIZENXV	VL 2.1 in. D	С	C	i	T			
		Core Diameter	2.1 In	E	O	V	D	M			
Station	SB 167 1651+95	Top of Rock Elev Begin Core Elev.	297.20 ft 304.20 ft	T	E	R		E			
Offset	13.00ft E Elev. 414.20			H (ft)	(4)	Υ (20)			١.		
Coarse GRAVEL	with chert and firm	estone nieces		304.2	(#) Run	(%)	(56)	(min/ft)	(		
it wasn't bedrock	al the driller started	coring, but discovered			1		1				
				-							
				_							
					1			ĺ			
				-115							
				_							
LIMESTONE: Gra	y, hard, slightly wea	athered, finely crystalline, ba	and bedding	297.2	Run	100	75	6	_		
-1/4" clay seam at				_	2		,,,				
,				-		ĺ					
-horizontal cement	ted joints at 119.4,	119.5, 119.8, 120.2 and 120	.3								
				-120		1	Í				
End of Boring				293.2	4	-	_				
					ł	1		ĺ			
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				-							
				-				Ì			
				-125							
				-				ĺ			
						- 1	-				
				-125		Í					
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				130		ı					

 $\frac{BORING~SB~167}{(1~of~4)} \qquad \qquad \frac{BORING~SB~167}{(2~of~4)} \qquad \qquad \frac{BORING~SB~167}{(3~of~4)} \qquad \qquad \frac{BORING~SB~167}{(4~of~4)}$ 

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

STRUCTURE NO. 082–0334 (N.B.) & 082–0335 (S.B.)

SHEET NO. C76 OF 76 SHEETS