ILLINOIS DEPARTMENT OF TRANSPORTATION

Bridge Foundation

OF 53 week the AE Owner where	District Nine Materials								
O' 63 off US 45 Over stre		- 351-	100	0050			_	1 of 1	
	tructur	e Numb	er: 100		Dat		8/15/20	11	
Section 34B-1				g		_	R Mob		
County: Williamson	Toda	tion:	mile.	So of	Stonefort Chec	ked By	Rob G	raeff	
## Boring No 1-S Station 1+14 Offset CL driveway Ground Surface 425.3F	DEPTH	B L O W \$	Qu tsf	W%	Surf Wat Elev: 413.8 Ground Water Elevation when Drilling 408.3 At Completion At: Hrs:	_ D E P T H	B L O W s	Qu tef	W%
Gravel 424.8					Clay A7-6 with Sandy layers				
Stiff, moist, brown and grey, Silty Clay Loam A-6					398.8 Cored 26.5 to 31.5 feet		6	1.6B	22
July Stay Estatistic		2			100% Recovery; 80% RQD		-		
	•	3 2	1.38	20	Very dense, dry, grey, Sandstone				
420,8					Test @ 5,870 psi		-		
Medium, moist, brown mottled grey, Silty Clay Loam A-6	5.0	1 2	0.88	23	Test @ 4,517 psi	30.	<u></u>		
,440 o		2			393,8				
Medium, very moist, grey, Silty		1			Cored 31.5 to 36.5 feet 100% Recovery; 100% RQD		4		
Clay Loam to Silt Loam A-4		2 2	0.68	24					
415.8					Test @ 5,236 psi				
	10.0					35.6	2		
off, very moist, grey mottled 10.0 1 own, Silty Clay Loam A-6 2 0.48	0.4B	25	Test @ 3,450 psi						
	-				388.8 Cored 36.5 to 41.5 feet		-		
-		WH			60% Recovery (bottom 2' lost		1		
		1 1	0.3B	27	through damaged keeper ring) 95% RQD				
410.8 Medium, very moist, brown and	15.0	1			Very dense, dry, grey, Sandstone				
tan, Silty Clay Loam A-6	15.0	2 2	0.78	24	Test @ 3,818 psi	40.0	-		
408.3					383.8				
Medium, very moist, grey and brown, Silty Clay A-6 with Sand seams	\dashv	4	0.8B	24	Bottom of hole = 41.5 feet		1		
Sand seams		3			Free water observed at 17.0 feet				
Very soft, very moist, olive brown,	20,0	1			Elevation referenced to 1955	45.6	5		
Sandy Clay Loam A-4		2 1	0.28	22	plans; center bridge= 426.2 feet				
403.3					Borehole advanced with hollow stem auger (8" O.D., 3.25" I.D.)]		
Medium, moist to very moist, grey, Clay to Silty Clay A7-6		1 1	0.9B	27	To convert "N" values to "N60" · multiply by 1.25		1		
400.8							1		
Stiff moist grey Clay to Silfy	25.0	3		-		50.4	-		

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. S-Bulge S-Shear E-Estimated P-Fenetrometer)

ILLINOIS DEPARTMENT OF TRANSPORTATION District Nine Materials

Bridge Foundation

OF 162 off HC 45 Over char			Distr	TOT NI	ne Materials		Boring .	-	
OF 163 off US 45 Over stream Route: US 45	tructur	a Musele	n=: 100	-nnsa			Sheet 1		11
Section 34B-1	W	e numb	BI. 100	-0030	Pa	Date		3/16/20	11
County: Williamson	— Loca	tion: 1	mile	so of	-	By: R Moberly By: R Graeff			
COUNTEY. WILLIAMSON			ALL C	00 02 .		кес ду:	K GIAG	IL	
Boring No 2-S		_B_	<u> </u>		Surf Wat Elev: 413.8		В		
Station 0+59	⊢	L			Ground Water Elevation	E	L		
Offset CL driveway	- I - P - I	0	Qu		when Drilling 407,1	_ P	0		
Ground Surface 426.6Ft	- T	w	tsf	W%	At Completion	_ :	l ₩ i	Qu	
		3		WW //O	At: Hrs:	H	S	tsf	W%
Gravel 426.1	-				Silty Clay Loam A-6		2	1.2B	25
Medium, moist, brown and grey,	$\overline{}$						3		
Silty Clay Loam A-4	\dashv				399.6		1		
Only Clay Eddin A-4		2			Soft, very moist, grey, Silty Clay		4		
	\neg	3	0.78	19			4	0.4B	20
-	-	2	0.70	10	Loan A-4 with sand layers		4	0.46	28
					397.6	_	-		
422.1	\neg				Very dense, dry, grey, Sand:397.1		100/1"		
Medium, moist to very moist,	5.0	1				30.0			
brown mottled grey, Silty Clay		2	0.8B	25	Cored 29.4 to 34.4 feet	00.0	İ		
Loam A-6	\neg	2			97% Recovery; 85% RQD	_			
					Very dense, dry, grey, Sandstone		ĺ		
419.6					Test @ 5,086				
Medium, very moist, grey, Silty		1					İ		
Clay A-6 with Sandstone		2	0.68	27					
boulders		5]				
_									
417.1					Test @ 5,738 psi 392.1		İ		
Very soft, very moist, grey, Silty	10.0	10			Cored 34.4 to 39.4 feet	35.0			
Clay A-6 with Sandstone		5	0.2E	24	100% Recovery; 90% RQD				
boulders _	-	1		<u> </u>	Very dense, dry, grey, Sandstone				
414.6	_				Test @ 5,919 psi				
	-+								
Stiff, moist, brown mottled tan,	-	1	4.40	05					
Silty Clay Loam A-6		1 2	1.48	25	T-16 4 500				
	-				Test @ 4,992 psi				
_	-				387.1				
	15.0	1			Cored 39.4 to 44.4 feet	40.0			
-	10.0	2	1.5B	27	100% Recovery; 87% RQD	40.0			
		3	1.00	A.I	Very dense, dry, grey, Sandstone	-			
_					with two Clay Shale layers				
409.6					in the oldy old to layers	-			
Medium, very moist, brown		1	-		1		ĺ		
mottled grey, Silty Clay Loam A-6		2	0.8B	27		-	ĺ		
		2			Test @ 5,779 psi		ĺ		
_					Bottom of hole = 44.4 feet		ļ		
407.1					382.1				
Medium, very moist, grey mottled _	20.0	11			Free water observed at 19.5 feet	45.0			
brown, Silty Clay A-6 with	\Box	1	0.9B	23					
Sand layers		2			Elevation referenced to 1955		l		
					plans; center bridge= 426.2 feet				
404.6	\longrightarrow						1		
Stiff, moist, grey mottled brown,					Borehole advanced with hollow				
Clay to Silty Clay A7-6		1	1.6B	27	stem auger (8" O.D, 3.25" I.D.)				
	-	2					1		
402.1					To convert "N" values to "N60"		-		
492.1	- 1				Imultiniy by 1.25		1		

Stiff, moist, grey, Silty Clay to N-Std Fentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated F-Fenetrometer)

25.0 1

CMT OCCOPYIGHT CMT, INC. CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME =	DESIGNED -	BPD	REVISED -
		CHECKED -	WLB	REVISED -
	PLOT SCALE =	DRAWN -	GLD	REVISED -
	PLOT DATE =	CHECKED -	DECEMBER 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS STRUCTURE NO. 044-0062		SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
		34B-2	JOHNSON	37	24
3111001011L 140. 044-0002			CONTRACT	NO. 7	8267
SHEET NO. 12 OF 12 SHEETS		ILLINOIS FED. AI	D PROJECT		