ILLINOIS DEPARTMENT OF TRANSPORTATION

Bridge Foundation Boring Log

			DISCE.	TOF MT	ne macerials	-	_		
Illinois 37							Sheet 1		
-	tructur	e Numbe	r: 100-	-0028		Date	**************	/15/20	
Section 113 B-Y	-						Bryan		r
County: Williamson	Loca	tion:			Chec	ced By:	Rob Gr	aeff	
	D	в			Surf Wat Elev: 542.6	- D	В		T
Boring No 2-S	- E	L			Ground Water Elevation	E	L		
Station	_ P	ō			when Drilling 542.3	P	ō	i	
Offset 14' Rt CL	_ T	W	Qu		At Completion	Τ̈́T	w	Qu	
Ground Surface 559.31			tsf	W%	At: Hrs:	н		tsf	W%
Crushed Aggregate					Weathered Sandstone with		43		-
435					Clay Shale Layers		12		
									-
557.3									
Stiff, very moist, brown, Silty		1					7		
Clay A-6		.1	1.18	18			34		
		1					47		
•						,			
554.8					529.8				
Stiff, moist, grey, Silt Loam	5.0	3			Hard, dry, brown, Sandstone	30,0	100/2"	····	
A-4		6	1.78	15	with Clay Seams				
		44			Cored from 30.0 ft to 35.0 ft.				
					88% Recovery				
					68% RQD				
		1				,			
		5	1.25	16					
		3				******			
540.0									
549.8	, 10.0	1			524.3	35.0			
Medium, moist to very moist, grey	,10.0	-	0.98	19		33,0			
Loam to Silty Clay Loam A-6	-	1	0.85	18	Hard, dry, grey to brown, Sandstone with Clay Seams	*******	l		
					Cored from 35.0 ft to 40.0 ft.				
547.3					100% Recovery	-	1		
Soft to medium, very moist,	-	WH			68% RQD		1		
grey, Silty Clay Loam A-6		WH	0.5B	21		**********	1		
[]		WH					1		
			***************************************		1		1		
544.8					1] .		
Soft, very moist, grey, Silty	15.0	1			519.3	40.0			
Clay Loam A-6 with a Sand		1	0.4B	18	Hard, dry, grey, Sandstone	-]		
Layer		2			Cored from 40.0 ft to 45.0 ft		1		
					93% Recovery				
542.3					55% RQD				
Loose, wet, brown, fine to		2			4		ļ		
medium, Silly Sand with Gravel		3		18			1		
71% Sand; 13% Silt		. 2			4		1		
4% Clay; 12% Gravel 539.8							1		
Hard, dry, brown, Sandstone	20.0	2			514.3	45.0	1		
riaid, dry, brown, Objectione	20.0	100/12"			Hard, dry, grey, Sandstone	70.0	1		
		100,00			Cored from 45.0 ft to 50.0 ft.		1 .		
				***************************************	100% Recovery		1		
					50% RQD		1		
					ii .		1		
					1	*********	1		
·]		
]		
534.8					4				
Hard, dry, brown and grey,	25.0	2			509.3	50.0			
N-Std Pentr Test: 2" OF 140# Hammer, 30" Fall (Bulge	S-She	ar E-Estimated P-Penetron	meter)			
							Sheet 2		
Route: Illinois 37	-					Date		8/1	15/200

Route: Illinois 37						Date:		8/15/2002	
Section: 113 B-Y									
County: Williamson									
Boring No: 2-S Station: Offset: 14' Rt CL Ground Surface: 559.3F	D E P T H	B L O W	Qu tsf	w%		D E P T	B L O W	Qu tsf	W%
Bottom of hole = 50.0 ft									
Free water observed at 17.0 ft.									
Elevation referenced from center of Existing Structure. Elevation = 359.5 ft.									
To convert "N" values to "N60" values multiply by 1.25.	55.0				_	80.0			

ILLINOIS DEPARTMENT OF TRANSPORTATION

Bridge Foundation Boring Log

F.A.P. RTE.	SECTION	С	COUNTY			L S	NO.	
726	113B-2	WII	WILLIAMSON				87	
STA.		TO	STA.					
FED. ROAD	DIST. NO. 7	ILLINOIS	FED.	AID	PROJE	СТ		
Contrac	ot 98777			SHEE	T 18	0F	18	

District Nine Materials Illinois 37 Sheet 1 of 2 Route: Illinois 37 Structure Number: 100-0028 8/14/2002 Bored By: Bryan Keller

Section 113 B-Y County: Williamson Checked By: Rob Graeff Surf Wat Elev: 542.6 Boring No 1-S O W Station 531+20 when Drilling 542.4 O W Qu tsf Offset 8' LT CL At Completion Ground Surface 559.4Ft H ₩% Bituminous Pavement with Sandstone Layers 533.9
Hard,dry, brown, Sandstone, over Concrete with Clay Shale Layers Cored from 25.5 ft to 30.5 ft 82% Recovery Medium, very moist, brown, Silty Clay Loam A-6 0.78 22 60% RQD Very stiff, moist to very moist, brown, Silty Clay Loam A-6 Cored from 30.5 ft to 35.5 ft Hard, dry, grey to brown, Stiff, moist, grey, Silty Clay Loam A-6 with some Gravel 1.18 13 47% RQD Layers Medium, moist, grey, Sitty Clay 10.0 Loam A-6 0.78 Cored from 35.5 ft to 40.5 ft. Hard, dry, grey, Sandstone Stiff, moist, grey, Silt Loam to Silty Clay Loam A-6 62% Recovery 20 49% RQD Medium, moist, brown mottled grey, Silt Loam A-4 15.0 11 0.78 Cored from 40.5 ft to 45.5 ft Hard, dry, grey, Sandstone 100% Recovery 542.4 Medium, very moist, brown, fine Silty Sand with some Boulders 77% Sand; 9% Silt 12% Clay; 2% Gravel 539.9 Hard, dry, brown, Sandstone 20.0 100/7" NOTE: Lost core barrel and

534.9

Hard, dry, reddish, Sandstone with Clay Shale Layers

Hard, dry, grey, Clay Shale

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

Route: Illinois 37 8/14/2002 Section: 113 B-Y County: Williamson Boring No: 1-S Station: 531+20 o W Offset: 8' LT CL Qu tsf Qu tsf Ground Surface: 559.4Ft W% Bottom of hole = 46.0 ft of Existing Structure. Elevation = 559.5 ft. To convert "N" values to "N60" values multiply by 1.25. 55.0

30 feet of drill rods at 46.0 ft.

Unable to retrieve core barrel

CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS

ILLINOIS DEPARTMENT OF TRANSPORTATION BORING LOGS F.A.P. ROUTE 726 (IL. RTE. 37) ILLINOIS ROUTE 37 OVER LITTLE SALINE CREEK SECTION 113B-2 STA. 531+81.00 STR. NO. 100-0091 - WILLIAMSON COUNTY

SCALE: NONE DATE: 12/14/07

DRAWN BY: GLD CHECKED BY: WLB