## ILLINOIS DEPARTMENT OF TRANSPORTATION District Nine Materials

Bridge Foundation Boring Log

FAP 782 (IL Rte 1) Over Rock			70.000	r Marianalian	1800 20 2 200		Sheet 1		
	ructure	Number	<b>c</b> : <u>035</u> -	-0002		_Date:		25/20	11
Section 115A				an 11 k			R Mober		
County: Hardin	Locat	:ion: 3.	3 Mi	South of	f Gallatin County Checke	ed By:	R Graef	f	
Soring No   1-S	D E P T H	B L O W S	Qu tsf	W%	Surf Wat Elev: 337.0  Ground Water Elevation when Drilling 337.4  At Completion At: Hrs:	D E P T H	B L O W S	Qu tsf	<b>W</b> %
Asphalt, concrete and crushed					Stiff, moist, grey, Clay A7-6		1	1.2B	30
aggregate355.4					-		2		
Very stiff, moist, brown, Silty Clay _		120			-				
Loam A-4	-	2		200			2		
<b>*</b>		5	2.38	13	-		5	1.9B	25
	-	7					6	200 - 20	
352.4					·-				
Stiff, moist, brown, Silty Clay Loam _	5.0	2				30.0	2		
A-6		3	1.6B	21	·-		5	1.9B	27
_		3	966-215-3	*,610	_		6	1600001	1879
,									
349.9					324.9	-			
Soft, very moist, grey, Silty Clay		1 1	0.45	05	Stiff, moist, brown, Clay A7-6		1	4.00	0
to Silty Clay Loam A-6		1	0.4B	25	-		4	1.6B	2
	-	7	_		1	-	4:		
347.4	40.0				19		İ		
Stiff, moist, grey, Silt Loam A-4	10.0	1		18400 0		35.0	2		
		4	1.35	20	i		4	1.5B	25
_		4					5		well 10.15/ee
344.9					319.9				
Medium, very moist, grey, Silty		1	0.00		Very stiff, moist, grey, Clay A7-6	-	3	0.00	040
Clay Loam A-4		2	0.98	23	with some gravel		6 8	2.3B	1:
					!! 		-		
342.4					317.4		i		
Very soft, very moist, grey, Silty	15.0	WH			Stiff, damp to moist, brown and	40.0	9		
Clay Loam A-4		WH	0.2B	33	grey, Clay A7-6 to Weathered		26	1.88	1
1 · · · · · · · · · · · · · · · · · · ·		WH			Clay Shale		40		
	-				315.4		<u> </u>		
339.9		1801			Hard, dry, grey, Clay Shale		400/08		
Soft, very moist, grey, Silty Clay Loam to silt Loam A-4	-	<u>WH</u> 1	0.4B	20	╣	2/	100/6"		
LUAIN TO SIIT LUAIN A-4		1	U.4D	30	# ·		+		
	-				1	·	<u> </u>		
337.4					312.4		1		
Very soft, wet, grey and brown,	20.0	WH		100	Hard, dry, grey and brown, Sandy	45.0	100/3"		
Sandy Clay Loam with Sand		1	0.2E	29	Clay Shale		]		
layers		2			₩				
						-			
334.9		26/11					4		
Soft, very moist, grey, Silt Loam	9	WH 1	0.3B	32	Hard, dry, grey, Limestone?		Refusal		
A-4 with Sand layers	-	1	0.38	32	Hard, dry, grey, Limestone?	, p	100/0.5"		
		<del>- '-</del>			500.4	1800-150	100/0.5		
332.4		ĺ			1	*			
Stiff, moist, grey, Clay A7-6	25.0	1				50.	ol		

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

ESCA CONSULTANTS, INC. OTHER PROPERTY OF THE P

USER NAME = kah		DESIGNED	-	SHL	07/13	REVISED -
ESCA PROJECT NO.1035.03		CHECKED	-	RDP	09/13	REVISED -
PLOT SCALE = 0:2 ':' / IN.		DRAWN	-	KAH	07/13	REVISED -
PLOT DATE = 1/22/2014	5:24:34 PM	CHECKED	-	SHL	08/13	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS	F.A.P RTE.	SECTION	COUNTY	TOTA	
STRUCTURE NO. 035-0017	782	115B-1	HARDIN	70	
			CONTRACT	ΝΟ.	
SHEET NO. 26 OF 29 SHEETS	ILLINOIS FED. AID PROJECT				

Sheat 2 of 2
Date: 7/25/2011

Section: 115A County: Hardin									
				1	 			T -	
Boring No: 1-S Station: 997+62 Offset: 10' Lt CL Ground Surface: 356.9F	D L E P T H	B L O W S	Qu tsf	W%		D E P T H	B C W S	Qu tsf	<b>W</b> %
					-				
Bottom of hole = 48.1 Feet					<u>-</u>	_	į		
Free water observed at 19.5 Feet					-	20.0			
Elevation referenced to BM at SW corner of bridge; Elev.= 356.9 ft	55.0 				-	80.0			
Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)					-		] ] 		
To convert "N" values to "N60" multiply by 1.25		90 44 A			_	_	<u> </u>   		
	60.0	ž.			-	85.0			
					n=	2- V-	1		
					-	_			
	65.0				5,₩	90.0			
	-				ū <del>-</del>				
	70.0					95.	<u>]</u>		
	_					8-			
		1			â	7==	1		
	75.0				ä	100.	0		

Route: FAP 782 (IL 1) Section: 115A

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