ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 1

FAP 782 (IL Rte 1) Over Rock Creek

Route: FAP 782 (IL 1) Structure Number: 035-0002 Date: 7/26/2011
Section 115A Bored By: R Moberly
County: Hardin Location: 3.3 Mi South of Gallatin County Checked By: R Graeff

Boring No 2-S
Station 996+40
Offset 10' Rt CL
Ground Surface 357.8 Ft

Surf Wat Elev: 337.0
Ground Water Elevation
when Drilling
At Completion
At: Hrs:

	DEPTH	BLOWS	Qu tsf	W%		DEPTH	BLOWS	Qu tsf	W%
Asphalt, concrete and crushed aggregate					332.3				
356.3									
Stiff, moist, brown, Silty Clay to Silty Clay Loam A-6		1			Bottom of hole = 25.5 Feet				
		3	1.2B	17	No free water observed				
		3							
					Elevation referenced to BM at SW corner of bridge; Elev.= 356.9 ft				
	5.0	1				30.0			
		3	1.2B	24	Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)				
		4							
350.8					To convert "N" values to "N60" multiply by 1.25				
Medium, very moist, grey, Silty Clay to Silty Clay Loam A-6		1							
		2	0.7B	29					
		2							
347.8	10.0	2				35.0			
Very dense, dry, grey, Sand: 347.3		100/6"							
Cored 10.5 to 15.5 feet									
Very dense, dry, grey and brown, Sandstone with clay layers									
43% Recovery; 0% RQD									
	15.0					40.0			
342.3									
Cored 15.5 to 20.5 feet									
Hard, dry, grey and dark grey, laminated Shale									
83% Recovery; 0% RQD									
	20.0					45.0			
337.3									
Cored 20.5 to 25.5 feet									
Hard, dry, grey, Clay Shale									
80% Recovery; 37% RQD									
	25.0					50.0			

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 1

FAP 782 (IL Rte 1) Over Rock Creek

Route: FAP 782 (IL Rte Structure Number: 035-0002 Date: 9/3/2013
Section 115A Bored By: R Moberly
County: Hardin Location: 3.3 mi South of Gallatin County Checked By: R Graeff

Boring No 4-S
Station 997+03
Offset 33' Rt CL
Ground Surface 346.1 Ft

Surf Wat Elev: 337.1
Ground Water Elevation
when Drilling
At Completion
At: 48 Hrs: 339.3

	DEPTH	BLOW	Qu tsf	W%		DEPTH	BLOW	Qu tsf	W%
Augered to bedrock					Rock sounding performed at:				
					**Sta. 997+13, 18' Lt CL Rock at 328.7 feet				
					**Sta. 996+88, 11' Lt CL Rock at 332.2 feet				
	5.0					30.0			
	10.0					35.0			
333.6		14							
Hard, dry, grey and brown, brittle Clay Shale		100/7"							
	15.0	26				40.0			
330.1		100/8"							
Bottom of hole = 15.7 feet									
No free water observed									
Elevation referenced to BM at SW abutment; Elev.= 356.9 feet	20.0					45.0			
Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)									
To convert "N" values to "N60" multiply by 1.25									
	25.0					50.0			

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

PRINT DRIVER = LPD.E.B.dat
PEN TABLE = PDOT_VERS2.TBL
SHEET SIZE = 24.00 x 36.00
FILE NAME = D:\0351017-78263-27-Soil.dgn

ESCA CONSULTANTS, INC.

USER NAME = kah	DESIGNED - SHL	07/13	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 035-0017
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 5:24:40 PM	CHECKED - SHL	08/13	REVISED -		SHEET NO. 27 OF 29 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	115B-1	HARDIN	70	50
		CONTRACT NO. 78263		
		ILLINOIS FED. AID PROJECT		