	I	ILLINOIS DEPARTMENT OF TRANSPORTATION District Nine Materials				Bridge Foundation Boring Log				
FAP 849 (IL 142) Over stream	n		220021					of 2		
		e Numbe	er: 041-	2003		Date		9/13/201	0	
Section 113B-1					Bored By: R Moberly					
County: Jefferson Location: .2 mi SE Mt Ver										
					Surf Wat Elev: 430.4	- I	В	Т		
Boring No 1-S	E	B L			Ground Water Elevation] E	L			
Station 77+70] F	ō			when Drilling 421.7	. P	Ö			
Offset 9' Rt CL] +	w	Qu		At Completion	 	w	Qu		
Ground Surface 438.7Ft		s	tsf	W%	At: Hrs:	ii	s	tsf	W%	
Asphalt over concrete					Hard, damp, grey, Clay Loam		9	4.1B	-	
					to Clay A-6		13			
437.2						_				
Medium, very moist, brown mottled grey, Silty Clay A-6		1			Hard, damp, grey, Clay Loam to		6			
mottled grey, Silty Clay A-6	-	1	0.7B	27	Silty Clay Loam A-6	_	12	4.5S		
_		1	0.76	21	Siity Clay Edaili A-6		14	4.55		
_					1					
434.2					409.2					
Very stiff, moist, brown mottled	5.0	7	2.20	20	Hard, damp, grey, Clay to Clay	30.0	6	4.40	_	
grey, Silt Loam A-4	_	10	2.38	20	Loam A7-6		9 11	4.1B		
-		10			1		- 11			
431.7					406.7					
Medium to stiff, moist to very		WH			Very stiff, damp, grey, Silt Loam		3			
moist, grey mottled brown, Silty		WH	1.0B	32	to Silty Clay Loam A-4		6	3.18		
Clay A-6	_	111			4	_	8			
429.2					404.2					
Soft, very moist, grey and brown,	10.0	1			Hard, damp, grey, Clay to Clay	35.0	3			
Silty Clay A-6		1	0.4B	30	Loam A7-6	_	6	4.7B		
_		2					8			
426.7	_				401.7					
Medium, very moist, grey mottled		WH			Dense, damp, grey, Sand and		12			
brown, Silty Clay Loam A-6		1	0.9B	20	Gravel with Clay		19			
		2					21			
					399.2				.,	
Stiff, moist, brown streaked grey,	15.0	1			Medium dense, very moist, grey,	40.0	1	Washed 2	<u></u>	
Clay Loam to Silty Clay Loam	10.0	2	1.2B	20		70.0	5			
A-6		3	0	_0	76% Sand	_	6			
					7% Silt					
421.7					2% Clay		1			
Med dense, very moist, brown,		1		20	15% Gravel	_	1			
Fine to Medium Silty Sand with Gravel		4 7		20			1			
84% Sand; 8% Silt	_				1	_	1			
5% Clay; 3% Gravel 419.2		\	Washed 2	2.5'	394.2		1	Washed 5	5'	
Med dense, very moist, brown,	20.0				Dense, moist, grey, Sand and	45.0				
Medium Sand with Gravel		6		20	II .		16			
76% Sand; 6% Silt				44% Sand		15				
4% Clay; 14% Gravel 416.7	_		Mached	21	12% Silt 3% Clay	_	1			
Hard, moist, brown, Clay Loam		4	Washed	3	41% Gravel		1			
to Clay A-6	_	10	4.1B	17	1	_	1			
		12]			
]			
414.2					389.2		_	Washed	5'	
	25.0	4			II .	50.0	4			

Sheet 2 of 2 Route: FAP 849 (IL 142)
Section: 113B-1
County: Jefferson 9/13/2010 Boring No: 1-S Station: 77+70 Offset: 9' Rt CL Ground Surface: Dense, moist, grey, Sand and Gravel with Silt Loam layers 60% Sand 21% Silt 7% Clay 12% Gravel Hard, dry, grey, Clay Shale 55.0 100/3" 60.0 100/3" Hard, dry, grey, Clay Shale 373.7 65.0 100/2" Sottom of hole = 64.7 feet Free water observed at 17.0 feet Elevation referenced to BM @ NW of structure; Elev.= 438.3 ft Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.) To convert "N" values to "N60" multiply by 1.25 N-Std Pentr Test: 2" OD Sampler,140# Hamner, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)



USER NAME = has		DESIGNED	-	JTS	01/12	REVISED	-
ESCA PROJECT NO. 988.10		CHECKED	-	JAF/RDP	02/12	REVISED	-
PLOT SCALE = 0:2 ':' / IN.		DRAWN	-	HAS	02/12	REVISED	-
PLOT DATE = 6/4/2014	8:12:06 AM	CHECKED	-	JTS	03/12	REVISED	-

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
849	113B-1	JEFFERSON	36	29
		CONTRACT	NO. 7	3210
	ILLINOIS FED.	AID PROJECT		