of Transportation Division of Highways				_	OIL BORING LOC		Date <u>4/2/12</u>				
ROUTE FAP 785 DESCRIPTION	_	<u>IL 1</u>	40 ov	er Unr	amed Creek (Culvert Boring)	LOGGE	D BY	/ <u>K</u> I	EG (C	RG)	
SECTION136-BR LOC	CATIC	ON _	Alham	ıbra, I L							
COUNTY Madison DRILLING	ME.	THOD	_		HSA HAMMER	TYPE		Automatic			
	D E P T H	B L O W S	U C S Qu (tsf)	M O I S T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter 513.0 Upon Completion After Hrs.	_ ft ₹	D E P T H (ft)	B L O V S (6")	U C S Qu (tsf)	M O I S T	
1" CRUSHED ROACK (Fill) Brown SILTY CLAY (Fill)		3	2.0	19	Gray and Reddish-Brown CLAY, with trace pebbles and silty clay, stiff (Glacial Till) (continued)			2	2.2	23	
Brown and Dark Brown SILTY CLAY /Limestone Fragments		2 50/5″	P 1.5	18	Greenish-gray and Brown CLAY trace sand, pebbles, and sllt, stlff (Glacial Till)	515.50		3 6	2.7	19	
Gray SILT, with trace organics, molst, medium	5 	2 2 3	1.6 P	20	Dark Brown CLAY, trace pebbles and silty clay, very stiff (Glacial Till)	513.00	_25 ▼	3 4 7	2.6 B	20	
Gray and Reddish-Brown CLAY, trace sand and iron stains, moist, medium		2 2 3	1.2 P	23		-		10 19 24	> 4.0 P	1;	
		WOH 2 2	0.6 B	26	Dark Brown CLAY, trace pebbles and silt, very stiff (Glacial Till)	506.75					
Brown and gray SILTY CLAY, with sand, molst, soft	-15	1 1 1	0.2 P	22				6 11 17	3.2 B	14	
Gray CLAY, with trace brown clay and sand, trace pebbles and sllt, mediumstiff (Glacial Till)		2 3 4	1.8 B	20	Dark Gray CLAY, trace silt, with pebbles, very stiff (Glacial Till)	<u>501.75</u>					
Gray and ReddIsh-Brown CLAY, with trace pebbles and silty clay, stiff (Glacial Till)	-20	2 3 5	1.7 B	25			-40	10 17 18	>4.0 P	1:	

Illinois Depar of Transporta	tion			S	OIL BORING LOG	Page <u>2</u> (
Division of Highways						Date4/
ROUTE FAP 785 DESCRIPTION	ON _	IL 1	40 ov	er Unn	amed Creek (Culvert Boring) LOGGED	BY KEG (CI
SECTION 136-BR	LOCAT	ON _	Alham	bra, I L		
COUNTY Madison DRILLI	NG ME	THOD			HSA HAMMER TYPE	Automatic
STRUCT. NO. <u>060–0103</u> Station	D E P	B L O	U C S	M 0	Surface Water Elev ft Stream Bed Elev ft	
BORING NO. B-1 Station 1143 + 29 Offset 13.50ft RT	T H	W S	Qu	S T	Groundwater Elev.: First Encounter 513.0 ft Upon Completion ft	
Ground Surface Elev. 538.5 Dark Gray CLAY, trace silt, with	ft (ft)	(/6")	(tsf)	(%)	After Hrs ft	
pebbles, very stiff (Glacial Till) (continued)						
Gray CLAY, with trace silt and pebbles, stiff (Glacial Till)	./5					
	_	3				
	-45	6 7	2.4 B	22		
	_					
Gray and Reddish-Brown CLAY,	<u>75</u>					
trace pebbles and slit, stiff (Glacial Till)	_					
	_	5	0.5			
488	.50 –50	6 10	2.5 B	22		
	_					
	_					
	_					
	_					
	_55					
	_					
	_					
	_					
	_					
	_ _60					

Illinois Dep of Transpor	oartment rtation		SO	L BORING	LOG	Page	• <u>1</u>
Division of Highways Illinois Department of Tr	ansportation IL 14		ning Wall	In Alhambra at Unnam	ied		· —
ROUTE <u>FAP 785</u> DESCR				reek			Larry
SECTION 136	LOCATION	SW 1/4	, SW 1/4	SEC. 11, TWP. 5N, RNG	.6W, 3 PM		
COUNTY Madison D	RILLING METHOL		Ho ll ow	Stem Auger H	AMMER TYPE	140#	Auto
STRUCT. NO.		U	M Su	face Water Elev	ft	D B	U
Station	_ E L P O	C S	o s	ream Bed Elev	ft	E L P O	C
BORING NO2	T W			oundwater Elev.:		T W	١.
Station 1143 + 83.37 Offset 12.50ft Left	_ H S	Qu			523.4 ft	H S	G
Ground Surface Elev. 536.42	— ft (ft) (/6")	(tsf)	(%) A	pon Completion fter Hrs	'I'	(ft) (/6")	(ts
			D.	LLID CAND		10	T
Black Silt LOAM			Se	e Gradation @ 20 ft (ntinued)	,6.0 m) _ <u>51</u> 5 <u>.4</u>	15	N
	-			y Silty CLAY		\dashv	
	2					3	L
	— 1 1	0.55 S/10	26			- 6	2.5 S/1
	+-	5/10				+ 8	13/
	<u>_5</u> 1	0.73	24			-25 5 7	2.5
	-	S/10	24			- ' ₉	2.5 S/
	529.9						Ť
	$ \frac{1}{1}$					— ,	
Gray and Brown LOAM	+ +	0.51	20			13	4.6
	1	S/10				21	S/1
						-	
	_10 1					-30 4	
	1	0.62 S/10	30		505.9		2.6 \ S/1
	1	5/10	Bro	wn Sand LOAM		36	2.2
							S/
	523.4 2	0.44	19 Gr	y Clay LOAM		5 13	3.8
	523 <u>.4</u> 2	S/10	22			20	S/1
Gray Sandy LOAM		1	_				
	_15 1	NC					
	2		21			13	5.0
	3	NC	_		500.4	23	S/2
	-		EN	D OF BORING		\dashv	
	0						
	— 1 1	NC	18			_	
	517.4	140				\exists	1
Brown SAND							
See Gradation @ 20 ft (6.0 m)	-20 5					-40	

F.A.P. RTE. 785 DESIGNED - SEAN CHAU EXAMINED DATE - FEBRUARY 1, 2013 SECTION SOIL BORING LOGS STATE OF ILLINOIS CHECKED - PAUL GURKLYS 136-BR STRUCTURE NO. 060 - 2051 REVISED DRAWN - MICHAEL B. MOSSMAN **DEPARTMENT OF TRANSPORTATION** PASSED SHEET NO. 12 OF 12 SHEETS CHECKED - S.C. / P.G. REVISED