AP 885 (IL 146) Over Bay C	reek						Sheet :	1 of 1	
Route: FAP 885 (IL 148 St	ructur	e Numbe:	r: 044-	-0020		Date	:	6/1/201	10
Section 111-B-DR	_				Bo	red By:	R Mob	erly	
County: Johnson	Loca	tion: E	CL Gran	ntsburg	Chec	ed By:	R Gra	eff	
	В	В			Surf Wat Elev: 347.5	- Б	В		
Boring No 3-S	ΙĔΙ	ĭl			Ground Water Elevation	Ē	וו		
Station 488+85	. P	ō			when Drilling	_ Р	ō		
Offset 26' Lt CL	↓ ⊤ ∣	w	Qu		At Completion		w	Qu	
Fround Surface 362.7 Ft	Н	S	tsf	W%	At: Hrs:	Н	S	tsf	W%
Soft, very moist, brown, Silty		WH			Hard, dry, grey, Clay Shale with		Į .		
Clay A-6	$\overline{}$	WH	0.4B	23	some Sandstone at top		!		
	-	WH							
-	_						ļ		
359.7	\dashv				335.2		{		
Medium to soft, moist, grey and		1			Cored 27.6 to 32.6 feet		1		
black, Clay and Coal mix	_	2	0.58	27	100% Recovery; 48% RQD	_	1		
Black, Glay and Goal Hilk		2	0.00	21	100% Necovery, 40% NQD		ł		
	5.0				Hard, dry, grey, Sandstone and	30.0	1		
357.2					Clay Shale		1		
Very stiff, moist, grey mottled		1			II .]		
brown, Clay A7-6		2	2.5B	26	1]		
<u>-</u>		4			<u>ļ</u> ·		1		
	_				330.2		ļ		
354.7		5		-	D. H		-		
Very stiff, damp, grey and brown, Weathered Clay Shale	_	10	3.18	17	Bottom of hole = 32.6 feet		1		
vveauleled Clay Shale		12	3.13	17	No free water observed		1		
	10.0	- 12			ING IICE WAICH OBSCIVED	35.0	1		
-	10.0				Elevation referenced to BM @		1		
_		10			North center pier; Elev.= 362.2 ft.		1		
-		12	3.38	17	1]		
-		18			To convert "N" values to "N60"]		
	_				multiply by 1.25	_	4		
Hard, dry, grey, Weathered Clay		11			Borehole Advanced with Hollow		-		
Shale	_	17	4.1S	16	Stem Augers (8" OD, 3.25" ID)	_	1		
Silate _		22	4.10	10	Stelli Adgera (6 OB, 5.25 IB)		1		
	15.0				1	40.0	5		
·-					il		1		
_		12]		
		21	4.38	14		_	1		
		24			4		4		
345.2		100/1"			-∦	_	4		
Very Dense, dry, brown and grey, Sandstone		100/1"			1		1		
Conditione	_	1			1	_	1		
Cored 17.6 to 22.6 feet		İ			1		1		
]	20.0]			I	45.0	0		
100% Recovery; 76% RQD					1]		
		!					1		
	_	1			I		4		
ļ ·		ł			1		4		
340.2 Cored 22.6 to 27.6 feet		1					-		
Corea 22.0 to 27.0 feet		ł			I		4		
88% Recovery; 33% RQD	_	1				_	1		
		1					1		
	25.0	1			ii .	50.	d		

					I OF TRANSPORTATION ne Materials	E	Boring	-	
AP 885 (IL 146) Over Bay C							Sheet 1		
	ructur	e Numbe	r: 044-	-0020		Date	R Mob	/27/20	10
Section 111-B-DR		tion: E	CI Grav	at abura			R Grae		
County: Johnson		cion.	Ch Grai	icaburg		eu by.	N GIGE		
Boring No 4-S	D	В			Surf Wat Elev: 347.5 Ground Water Elevation	- D	В		
Station 490+08	Ę	L			when Drilling 333.3	E	L		
Offset 33' Lt CL]	o w	Qu		At Completion	1 7 1	o W	Qu	
Fround Surface 357.3Ft		s	tsf	W%	At: Hrs:	1 # 1	s	tsf	W%
Hard, damp, brown, Silty Clay to						_	10		
Silty Clay Loam A-6						_	- '		
•					330.8				
_		3			Very stiff, damp to moist, grey		3		
		4	5.2B	19	mottled brown, Clay A7-6		15	2.9B	20
-		5			with broken Sandstone gravel		10		
353.3									
Medium, very moist, brown, Silty		2			† ·		2		
Clay A-6	5.0	2	0.7B	31	ti .	30.0	5	2.1B	19
		3					6		
-					<u> </u>				
350.8		1401			905.0	_			
Very soft, very moist, grey, Silty _ Clay A-6		WH	0.1B	34	325.3 Hard, dry, grey, Clay Shale with		10 100/9"		
Clay A-6	_	WH	U. IB	34	Slate layers	_	100/9		
-					Ciate layera				
348.3					323.3		İ		
Soft, very moist, grey and brown.		WH			Hard, dry, grey, Clay Shale		100/6"		
Silty Clay Loam A-6	10.0	WH	0.3B	25		35.0			
		WH			4				
345.8							}		
Stiff, moist, brown mottled grey,		WH			1		100/6"		
Silty Clay Loam A-6		1	1.5B	23	1		100/0		
	_	2					1		i
-					1				
					4				
	_	1			4	_	100/6"		
-	15.0	2	1.2B	25	1	40.0	4		-
	_	3			╣	_			
340.8		i			ii .		1		1
Soft to medium, very moist, grey,		WH			1		1		i
Silty Clay to Clay A7-6		WH	0.5B	30	1]		1
		WH			4		4		
338.3		ł				_	4		l
Medium, moist to very moist, grey,		1			312.8		100/4		
Silty Clay to Clay A7-6	20.0		0.9B	50	312.0	45.0			
with rotten wood		1 1			Bottom of hole = 44.4 feet		Ť		- 1
					1				
335.8		L			Free water observed at 24.0 feet		1		
Stiff, moist, grey, Silty Clay to		WH			4		1		ļ
Clay A7-6 with rotten	_	3	1.5B	37	Elevation referenced to BM @	_	4		1
wood		3			North center pier; Elev.= 362.2 ft.		-		1
333.3	-	1			To convert "N" values to "N60"	_	1		1
Stiff, moist, grey, Clay A7-6		1			multiply by 1.25		1		
with broken Sandstone gravel	25.0		1.2B	26		50.	히		1
					Fail. B-Bulge S-Shear E-Estim				

FAP 885 (IL 146) Over Bay C	reek		DISCI	TCC NI	ne Materials		Boring : Sheet 1		
Route: FAP 885 (IL 146 St		e Numb	er: 044	-0020		Date		3/19/20	
Section 111-B-DR	_		_		Вс	red By	: R Mobe	erly	
County: Johnson	Loca	tion:	CL Gra	ntsburg	Chec	ked By:	Rob Gr	aeff	
	D	В		1	Surf Wat Elev: 355.1	_ D	В		Г
Boring No 5-S Station 488+49	E	Ĺ			Ground Water Elevation	E	Ľ		
Offset 7' Lt CL	P	0	Qu		when Drilling	_ P	0		
Ground Surface 365.5Ft	H	w	tsf	w%	At Completion	- T	w ·	Qu	V
0001010				1170				toi	V
Augered to 14.5 feet	_				Very dense, dry, grey, Sansdstone with Clay Shale layers		ł		
		İ			Cored 24.0 to 29.0 feet		İ		
See boring 1-S (2009) for details _					90% Recovery; 47% RQD		j		
	_					_	1		
_					(see attached Qu values at depth)				
	_				220 5	_	ł		
-					336.5		1		
	5.0				Very dense, dry, grey and brown,	30.0	į		
_					Sandstone and Clay Shale				
_					Cored 29.0 to 34.0 feet				
					93% Recovery; 48% RQD				
-					(see attached Qu values at depth)		1		
					(see attached Qu values at depth)	_			
_							1 1		
_					331.5		1		
-	10.0				Bottom of hole = 34.0 feet	35.0	1		
	\neg				No free water observed		i		
_						-			
					Elevation referenced to BM at				
	_				North center pier; Elev.= 362.2 ft				
					Borehole advanced with hollow				
	_				stem auger (8" O.D, 3.25" I.D.)	-			
351.0									
Hard, damp, grey and brown,	15.0	9			To convert "N" values to "N60"	40.0			
weathered Clay Shale	_	27			multiply by 1.25	_			
_		29			1		ł		
	_				1	_	ł		
-							- 1		
_									
	_						ļ		
Very dense, dry, grey, Sansdstone		100/0.5			4		1		
Cored 19.0 to 24.0 feet	20.0	100/0.5			#	45.0			
100% Recovery; 67% RQD						-73.0	1		
_			-				j		
(see attached Qu values at depth)									
-							ł		
	-				1		ł		
-							1		
341.5							j		
					II .		1		

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Hanson Professional Services Inc.	PLOT DATE = 03\0\2014 10:50:58 AM	CHECKED - JGT	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS Sheet (2 of 2)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 044-0061	885	110B-1	JOHNSON	52	52
3111001011L NO. 044-0001			CONTRACT	NO.	78279
SHEET NO. 29 OF 29 SHEETS		ILLINOIS FED. A	ID PROJECT		