					PAGE _1		of :	2	
	9	ΩII	П	0	RING LOG DATE 1/19		OIGI 1		
Geotechnical, Environmental & Civil Engineering	٦,	OIL							
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amberst Court, Salte 204 Naperville, Jillingia 50565 (630) 355-2838					LOGGED BY				
					GSI JOB No.				
ROUTE <u>FAP 353 (US 30)</u>	DESCRIPT	ION _	US F	Route	e 30 🛭 EJ&E/CN Railroad, IDOT Job No. D	<u>-91-0</u>	<u> 246-</u>	-12	
SECTION 11-Y-A	LOCATION	SE	C 20	& 2	29. T 35 N. R 15 E. 3rd PM				
COUNTY Cook	DRILLING	METH	HOD _	Holle	ow Stern Auger/Rotary HAMMER TYPE <u>Die</u>	drich	Auto	matic	С
STRUCT. NO. <u>016-1282</u>		\Box			Surface Water Elev. <u>n/a</u>		_		Ι.,
Station	D E	B	U	МО	Stream Bed Elev. <u>n/a</u>	D E	B	OC	MO
BORING NO. RW-33	P	ŵ	S	S	Groundwater Elevation:	P	° W	S	S
Station 284+90 Offset 31.5' Right	Ĥ	s	Qu	Ť	First Encounter <u>Dry to -10.0'</u> Upon Completion <u>n/a</u>	Ĥ	S	Qu	Ť
Offset <u>31.5' Right</u> Ground Surface Elev. <u>631.6</u>	(ft)	/6"	(tsf)	(%)		(ft)	/6")	(tsf)	(%
	- 1 	1			SAND-gray-medium dense (A-3) 611.	,			Ť
		AS	ω.	24	, , , , , , , , , , , , , , , , , , , ,				
TOPSOIL-black	-	3			SAND & GRAVEL-gray-	\dashv	6		┡
	-	6 7	3.75P	25	medium dense (A-1)	\dashv	6 5	NP	18
62	28.6	- 	J. 7 J.	25	608.6		Ĭ	ME	 "
	_					_			
SILTY CLAY-dark brown & black-	\rightarrow	4		-		\dashv	5 8		⊢
stiff (A-6) Apparent Fill, Wet	-5		1.75P	28		-25	9	NP	21
62	26.1					\exists			Γ
		٦				\dashv	.		
SANDY CLAY LOAM-dark brown & gro	oy− 🕂	2				\dashv	5		┢
loose (A-2)	\neg	3	_	18		\neg	7	NP	22
62	23.6					\dashv			
	\dashv	3			SAND—gray— medium dense to dense (A-3)	\exists	4		
SAND-brown-medium dense (A-3)	\neg	5			medium dense to dense (A-3)	コ	8		Г
	10	6	NP	16		-30	10	NP	22
62	21.1					\dashv			
	\neg	3				コ			L
	-	4				\dashv			
SILTY LOAM-gray-loose (A-4)	\dashv	4	NP	22		\dashv	\dashv		H
	\neg					コ			
	_	3				\dashv	6		L
	_15	4 5	NP	24		-35	10 13	NP	24
6:	16.1		/11	2.7			,5	MI	1
						_			
	+	9				+	\dashv		⊢
CANID	_	8	NP	14		\dashv			
SAND-gray-medium dense (A-3)	コ					ゴ	\neg		
	\dashv					_	ا ي		
	\rightarrow	9		\vdash		\rightarrow	8		\vdash
		10					11		

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				PAGE _2_		of _	2			
Geo Services Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suttle 204 Naperville, Illinois 60565	50	IL E	SOF		DATE 1/19/2012					
805 Amherst Court, Suite 204 Naperville, Illinois 60565				LOGGED B	Y <u>DR</u>			_		
(630) 355+2838				GSI JOB N	o. <u>09</u>	174				
ROUTE FAP 353 (US 30)	ESCRIPTION	US I	Route	e 30 ♥ EJ&E/CN Railroad, IDOT Job No.	D-91-	046-	-12			
SECTION 11-Y-A L	OCATION _	SEC 20	& 2	29. T 35 N. R 15 E. 3rd PM						
COUNTY Cook	RILLING ME	THOD	Holle	ow Stern Auger/Rotary HAMMER TYPE D	iedrich	Auto	omati	С		
STRUCT. NO016-1282		T		Surface Water Elev. n/a				Π		
Station	D B		M	Stream Bed Elev. n/a	D	B	υc	M		
BORING NO. RW-33	PO	s	1	Groundwater Elevation:	P	¥ o	Š	1		
Station 284+90	H S		S	First Encounter <u>Dry to −10.0'</u>	Ĥ	S	Qu	S		
Offset 31.5' Right	(ft) (/6	"\(tef)	(%)	Upon Completion n/a		(/6")	(tsf)	(%)		
Ground Surface Elev631.6	11.500	1(131)	(/0)	After Hrs	. [1.5	,,,,	(131)	(/%)		
	-				-					
	\neg	_	_		\equiv	Щ		╙		
	-				_			l		
					_			Н		
								l		
	10		┢		-	20		⊢		
	-45 15		27	SAND-gray-	-65	1 1	NP	24		
SAND-gray-				medium dense to dense (A-3)						
medium dense to dense (A-3)	_							l		
		+	\vdash		_			Н		
			_					L		
	_							l		
	- 8				_	19				
	11					23		Г		
	<u>-50 15</u>	NP	21		<u>-70</u>	28	NP	23		
	-				-			l		
	\neg	_						$oxed{oxed}$		
	_				_			l		
		1			_	П		Н		
					_			l		
	15		\vdash		_	10		⊢		
	-55 29		24	556	.6 –75		NP	23		
	=			End Of Boring @ -75.0'	-					
	\dashv			Hollow Stem Augers To -10.0'	_					
			Т	Rotary Drilling To Completion 10.0' Of 4.0"ø Casing Used	_	П		Т		
		_	<u> </u>	Diedrich Automatic Hammer		Щ		L		
	\dashv				_					
					_					
	22									
The Unconfined Compressive Strength (UCS) Failure	-60 30	ted by (23 B-Bul	ge, S—Shear, P—Penetrometer) ST—Shelby Tube Sam	-80	=Vane	Shear	Test		

						D40F (-4 -		
Geo Services, Inc.	S	01	L B	BOF	RING LOG	PAGE <u>1</u> DATE <u>DR</u>	of _:		
Geo Services, Inc. Geotechnical, Environmental & Givil Engineering 805 Amberst Court, Salte 204 Naperville, Jilinbja 60565						LOGGED BY	1/23/21	12	_
(630) 355+2838						GSI JOB No.	09174		_
ROUTE <u>FAP 353 (US 30)</u> D	ESCRIP'	ΠON	US F	Route	30 © EJ&E/CN Railroad	d, IDOT Job No. D-	-91-046-	-12	
SECTION 11-Y-A	OCATIO	N _S	EC 20	& 2	29. T 35 N. R 15 E. 3	rd PM			
COUNTY Cook D	RILLING	MET	HOD .	Holl	ow Stern Auger/Rotary H	AMMER TYPE Die	drich Auto	omatic	2
STRUCT. NO. <u>016-1282</u> Station	D	В	U	м	Surface Water Elev. <u>r</u> Stream Bed Elev. r	1/a 1/a	D B	U	١,
BORING NO. RW-35	E P	O	C S	0	Groundwater Elevation:	<i>7</i> u	E L P O	c s	1
Station <u>285+60</u>	T H	₩ S	Qu	S	First Encounter <u>Dr</u>	ry to −10.0' V	T W H S	Qu	
Offset 41.5' Right Ground Surface Elev. 631.4	(ft)	(/6")	(tsf)	(%)	Upon Completion <u>n</u> After Hrs		(ft) (/6")	(tsf)	(
	, ,		<u> </u>	· ·	1113111131		, , , ,	` '	ŀ
16.0" TOPSOIL-black	0.1	AS	-	26			-]		
SILTY CLAY-dark brown & gray-		5	\vdash	98			5 8		H
very stiff (A-6)	8.4	6	3.0B	24			10	NP	ľ
626	8.4 _						_		
SANDY CLAY LOAM-dark brown & gra-	y	3	_	┝		,	8		H
loose (A-2)		2	0.5P	17			11 25_13	NP	Ŀ
623	5.9				SAND-gray-		-		
		2			medium dense to dense	e (A-3)	9_		L
	-	2	NP	15		,	10	NP	١,
	_	1	NP.	13				NF	ľ
	_	3					_ 5		
SAND-brown-		4				,	5		r
loose to medium dense (A-3)	10	5	NP	8			-30 6	NP	ŀ
	_								
	_	5 8	_				+		H
	_	11	NP	21			\sqsupset		L
	_	ł					\dashv		
	_	6				,	7		L
	-15	7	NP	23			9 -35 10	NP	١,
		Γ	<u> </u>						Ļ
	_	6					\dashv		
	_	7	0.000	3000			\Box		Γ
613	3.4 —	8	NP	23			+		H
	_								
SAND-gray- medium dense to dense (A-3)	_	5 6	\vdash	\vdash			10		H
The state of the s		1 ~	I	ı			·		ı

	V3 Companies of Illinois Ltd.
/ >	7325 Janes Avenue
	Woodridge, IL 60517
	630.724.9200 phone
\ \\	630.724.9202 fax
	www.v3co.com

USER NAME =	DESIGNED - EVS	REVISED
	CHECKED - WJV	REVISED
PLOT SCALE =	DRAWN - EVS	REVISED
PLOT DATE =	CHECKED - WJV	REVISED

SOIL BORING LOGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEE
STRUCTURE NO. 016-1280	353	11-Y-A	соок	354	279
3111001011L 140. 010-1200			CONTRACT	NO.	60R19
SHEET NO. 24 OF 25 SHEETS		ILLINOIS FED. A	ID PROJECT		