					P	AGE 1		of _4	ł.	_
Geo Services Inc.	S	OI	L B	BOF	200 1 000	ATE DR				
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Arhbert Court, Suthe 204 Naperville, Illingis 60565						OGGED BY	1/30)-31	/2012	2
(630) 355-2838					G	SI JOB No	09	174		
ROUTE FAP 353 (US 30)	DESCRIP	TION	US F	Route						
SECTION 11-Y-A										
COUNTY Cook						TYPE Die	drich	Auto	matic	С
STRUCT. NO					Surface Water Elev. n/a				200	Ē
Station	- E	B	UC	M	Stream Bed Elev. n/a		D E	B L	UCS	
BORING NO. BS-10	- P	o w	S	S	Groundwater Elevation:		P	o w	S	l
Station 282+75	- Ĥ	s	Qu	Ť	First Encounter 626.5		Ĥ	s	Qu	l
Offset 22.5' Right Ground Surface Elev. 632.5	(ft)	(/6")	(tsf)	(%)	Upon Completion <u>n/a</u> After Hrs	 ₩	(ft)	(/6")	(tsf)	l
10.0" TORSOIL blank		, ,			71107		1007		, ,	f
10.0 TOPSOIL—BILCK	631.7	AS	-	24						l
SILTY CLAY-brown & gray-	_	5		93			\dashv	4		ł
very stiff (A-6)	<u> </u>	7	2.4B	26				4	NP	Ŀ
	629.5	-					_			Γ
	_	١,					\dashv	,		l
SANDY CLAY-brown & gray-	_	4		Г	SILTY LOAM-gray-		\exists	3		t
stiff (A-6)	5	4	1.9P	19	loose to medium dense (A-4)		-25	3	NP	╀
_	626.5	1					_			l
	_	2		Ш			\Box	2		ļ
SANDY LOAM-brown & gray- loose (A-2)	-	2		۱.,			_	2		L
	624.5	4	NP	19				2	NP	t
	_]					\Box			l
	-	3		\vdash			\dashv	2		╁
	10		NP	23			-30	2	NP	Ŀ
	_						_			Γ
SILTY LOAM-gray-		١,					_			l
loose to medium dense (A-4)	_	2		Г		600.		\neg		t
	_	3	NP	27			\dashv	\dashv		╀
	_	1					_			l
	_	2		$ldsymbol{ldsymbol{ldsymbol{eta}}}$	SAND with Gravel-gray-		コ	5		Ļ
	_15	3 6	NP	29	loose (A-1)			5	NP	ŀ
		1	NF	29					INF	t
	_	-					_			۱
	_	5		\vdash		595.8	, 	\dashv		t
	<u> </u>	6	NP	25		00011	\exists			L
	_	1					-			ľ
	_	3			SAND-gray-dense (A-3)		\Box	7		۱
	_	4		П			コ	11		Γ
The Unconfined Compressive Strength (UCS) Faile	-20		NP	21			-40	15	NP	12

				000	RING LOG	PAGE 2		of <u>4</u>		_
Geo Services Inc. Geotechnical, Environmental & Givil Engineering 805 Amherat Caurt, Suite 204 Naperville, Minister 50565 (630) 355-2838	3	Oil		OF	and Log	DATE <u>DR</u> LOGGED BY		-31	/2012	<u> </u>
(630) 355-2838						GSI JOB No.	091	74		_
ROUTE FAP 353 (US 30)	DESCRIPT	NO	US F	Route	30 @ EJ&E/CN Railroad, IDO	T Job No. D	-91-0	46-	12	_
SECTION 11-Y-A	LOCATION	I_S	C 20	& 2	9. T 35 N. R 15 E. 3rd PM	ĺ				_
COUNTY Cook	DRILLING	MET	HOD _	Hollo	ow Stem Auger/Rotary HAMME	R TYPE <u>Die</u>	drich /	Auto	matic	
STRUCT. NO	-		-	1912	Surface Water Elev. <u>n/a</u>		-	-		1919
Station	E	B	00	МО	Stream Bed Elev. n/a		E	B L	C	M
BORING NO. BS-10	P	O W	S	S	Groundwater Elevation:			o w	S	S
Station <u>282+75</u> Offset <u>22.5' Right</u>	H	S	Qu	T	First Encounter 626.5 Upon Completion n/a		Н	S	Qu	T
Ground Surface Elev. 632.5	(ft)	(/6")	(tsf)	(%)	After Hrs	$\overline{}$	(ft) (/6°)	(tsf)	(%)
	_							┪		Т
SAND-gray-dense (A-3)							_			
5	90.5			Н			+	\dashv		\vdash
							\exists			
	_				SAND-gray-dense (A-3)		$\overline{}$			
	_	16					\dashv	12		
SAND & GRAVEL-gray- medium dense (A-1)	_	8					-	16		
	-45	7	NP	15			-65	19	NP	26
	_						-			
	_						コ			
5	85.5					565.5	1			
	_			-			\pm	+		_
							\neg			
	_	12		Н	OII TV OI AV	(4.6)	\dashv	6		111
	-50	18 20	NP	24	SILTY CLAY—gray—very stiff	(A-6)		11 15	2.4B	19
							\exists			
							\dashv			
	-					560.5	, +	┪		Н
SAND-gray-dense (A-3)							\neg	4		
3, (,	_						-			
	_	14						23		
	_	18					_	44		
	55	21	NP	22	SAND-gray-very dense (A-3))	<u>-75</u> 5	0/5	NP	22
	_						\exists	ļ		
	_						\neg	_		
	(\dashv			
	_			Н				\dashv		Н
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	-	15 18		\vdash			$\overline{}$	24 35		H
	- <u>60</u>		NP	24				35 48	NP	۱

PAGE <u>3</u> of <u>4</u> Geo Services, Inc.
chnicol, Environmental-& Givil Engine
805 Artherit Court, Solte 204
Nopervile, Jilingis 60565
(630) 355-2838 SOIL BORING LOG DATE DR LOGGED BY 1/30-31/2012 GSI JOB No. <u>09174</u> ROUTE FAP 353 (US 30) DESCRIPTION US Route 30 © EJ&E/CN Railroad, IDOT Job No. D-91-046-12 LOCATION SEC 20 & 29, T 35 N, R 15 E. 3rd PM DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatie STRUCT. NO. ___ Surface Water Elev. <u>n/a</u> Stream Bed Elev. n/aStation ___ BORING NO. BS-10
Station 282+75 Groundwater Elevation: First Encounter 626.5
Upon Completion n/aOffset 22.5' Right ▼ (ft) (/6") (tsf) (%) (ft) (/6") (tsf) (%) After _____ Hrs. 632.5 Ground Surface Elev. SILTY LOAM to LOAM-gray-very dense (A-4) SAND-gray-very dense (A-3) CLAY LOAM-gray-very stiff (A-6) <u>-105</u> CLAY LOAM-gray-very dense (A-4/A-6) ____ 25 __90 34 1.3B 15 SILTY CLAY LOAM-gray-very dense (A-4) Drillers Observation: Apparent Bedrock. 520.5 | 18 | 120 | 120 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | RUN 1 Recovery=99.0% RQD=96.5% SILTY LOAM to LOAM-gray-very dense (A-4)

-100, NP 15 - -1201

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Ter
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASH10 1206) The Unit Dry Weight (pcf) is noted in Italics above moist

	V3 Companies of Hillnois	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

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

SOIL BORING LOGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 016–1280	353	11-Y-A	COOK	354	273
31H0CTORL NO. 010-1200			CONTRACT	NO. 6	60R19
SHEET NO. 18 OF 25 SHEETS		ILLINOIS FED. A	D PROJECT		