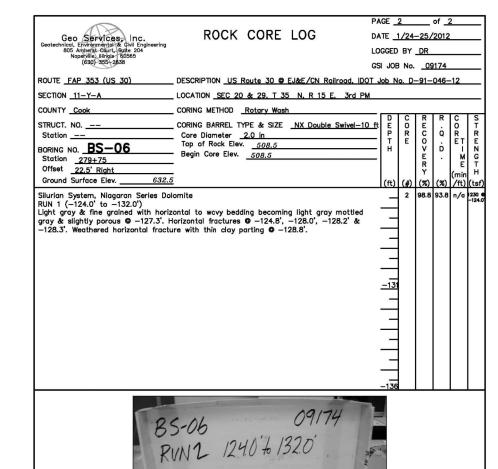
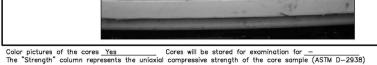
						ī	PAGE 4		of _	<b>‡</b>	_	
Geo Services. Inc.	S	OII	L E	BOF	RING LOG	ı	DATE 1/24-25/2012					
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amheriat Court, Suite 204 Naperville, Illingia 60565						ı	OGGED BY	DR				
Naperville, Jilinois 60565 (630) 355-2838							GSI JOB No					
ROUTE FAP 353 (US 30)	DESCRIP	TION	US I	Route	30 @ EJ&E/CN Rail							
SECTION 11-Y-A											_	
COUNTY Cook								drich	Auto	matic	_	
STRUCT. NO	_ 51111111111	T	1100.	I	Surface Water Elev.		THE Die	I	7000	mack	Ë	
Station	_   E	B	UC	M	Stream Bed Elev.	$\frac{n/a}{n}$		D E	B L	U	1	
BORING NO. BS-06	_   P	0	š	1	Groundwater Elevation	n:		PT	0	S	Ì	
Station 279+75	-   ή	W S	Qu	S T	First Encounter	626.5		由	W S	Qu	}	
Offset         22.5' Right           Ground Surface Elev.         632.	_ (ft)	(/6*)	(tsf)	(%)	Upon Completion After Hrs.	n/a	<del></del>	(ft)	(/6°)	(tsf)	6	
Ground Surface Liev	<u>s</u> [,	, - 1	(11.7	11.9	Aitei iiis:			14.57	, - 1	(,	÷	
D		1						二			ı	
Recovery=98.8% RQD=85.0%	_	1						$\dashv$			L	
	-	┨	RUN 1	1				-			l	
		1						二			Γ	
	508.5	┨						$\dashv$			l	
Silurian System, Niagaran Series De		$\vdash$						-			H	
RUN 1 (-124.0' to -132.0')	-125							-145			L	
Light gray & fine grained with hori to wavy bedding becoming light gr	ay —	┨						_			l	
mottled gray & slightly porous ◎ -127.3'. Horizontal fractures ⑨ -1	24.8'.	1										
-128.0', -128.2' & -128.3'. Weath	ered	]						ᄀ			Γ	
horizontal fracture with thin clay p ■ -128.8'.	arting _	┨						$\dashv$	-		⊢	
Recovery=98.8%	_	1	RUN 2	2				$\exists$			l	
RQD=93.8%		1						$\rightarrow$			L	
	-130	1						-150			l	
		1									Г	
	_	1						-			ı	
	500.5	1						$\neg$			H	
End Of Boring ♥ -132.0'	_										L	
Hollow Stem Augers To -10.0'		1						—			l	
Rotary Drilling To Completion 10.0' Of 4.0"\( \sigma\) Casing Used		1_										
117.0' Of 3.0"\( Casing Used CME Automatic Hammer	_											
	<u>-135</u>	$\vdash$		$\vdash$				<u>-155</u>			$\vdash$	
		1									l	
	_	$\vdash$						$\dashv$			$\vdash$	
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	-	Н		$\vdash$					$\dashv$		H	

Test ist (%)	Color pictures of the
19( (%)	The "Strength" column

CORING METHOD   Rotary Wash     CORING BARREL TYPE & SIZE   NX Double Swivel-10 ft   F   N   N   N   N   N   N   N   N   N					PAGE ,	1		of _2	2	_
OUTE_FAP_353 (US_30)  DESCRIPTION_US_Route_30	Geo Services, Inc.	ROCK	CORE	LOG	DATE .	1/24	-25/	2012	1	_
OUTE_FAP_353 (US_30)  DESCRIPTION_US_Route_30	Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinnia 60565				LOGGE	D BY	DR			_
CORINO   SEC   20 & 29   T   35   N   R   15   E   3rd   PM	(630) 355-2838				GSI JO	B No	09	174		_
CORING METHOD Rotary Wash  TRUCT. NO. ——  CORING BARREL TYPE & SIZE NX Double Swivel—10 ft Station ——  CORING ROLL STAGE  CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX Double Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE Swivel—10 ft P P P R CORING BARREL TYPE & SIZE NX DOUBLE SWIVELED BARREL TYPE & SIZE NX DOUBLE S	ROUTE FAP 353 (US 30)	DESCRIPTION US	Route 30 @	EJ&E/CN Railroad.	DOT Job	No. D	-91-	046-	-12	_
CORING BARREL TYPE & SIZE   NX Double Swivel—10 to   D   C   R   R   C   C   R   R   C   R   R	SECTION 11-Y-A	LOCATION SEC 20	& 29. T 3	5 N, R 15 E. 3rd	PM					_
Station   Stat	COUNTY Cook	CORING METHOD	Rotary Was	h		1.0	Гъ	ь.		
ORING No. BS—06 Station 279+75 Offiset 22.5' Right Ground Surface Elev. 632.5    Top of Rock Elev. 516.5   H   E   V   E   I   N   M   G   K   E   T   K   M   G   K   E   T   K   M   G   K   T   K   E   T   K   M   G   K   E   T   K   M   G   K   T   T   K   T   T   T   T   T   T	The state of the s			NX Double Swivel-	-10 ft E	0	E		000	T
Offset 22.5' Right (min H / (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	Station				— I i		0		ΕŢ	E
Offset 22.5' Right (min H / (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	Station 279+75	Begin Core Elev.	516.5		<b>=</b>   "		E		Й	G
Ground Surface Elev	Offset 22.5' Right								20 00 00	111
Sign   (-116.0 to -124.0) with horizontal bedding becoming light gray mottled gray with orizontal to wavy bedding \$\infty\$ -119.9'. Horizontal fractures \$\infty\$ -116.1', -116.2', -116.7', -117.4', -120.3', -121.3', -122.5', -122.7', -123.0' & -123.6'.					(ft)		_	_	/ft)	(tsf)
roy & fine grained with horizontal bedding becoming light gray mottled gray with orizontal to way bedding \$\infty\$ -119.9'. Norizontal fractures \$\infty\$ -116.1', -116.2', -116.7', -117.4', -120.3', -122.5', -122.7', -123.0' & -123.6'.	Silurian System, Niagaran Series Dolo RUN 1 (—116.0' to —124.0')	omite			-	11	98.8	85.0	n/a	1072 <b>6</b> -116.3
117.4', -120.3', -121.3', -122.5', -122.7', -123.6'.  -121  -122  -124  -126  -127  -128  -128  -129  -129  -120	Gray & fine grained with horizontal I				. –	1				
BS-06 RUN 1 //6.0' to 1240'	-117.4', -120.3', -121.3', -122.5', -	-122.7', -123.0' &	-123.6'.	, -110.2, -110.7	· —	┨				
BS-06 RUN 1 //6.0' to 1240'					_	1				
BS-06 RUN 1 //6.0' to 1240'					-	+				
BS-06 RUN 1 //6.0' to 1240'					_					
BS-06 RUN 1 //6.0' to 1240'					<u>-12</u>	21				
BS-06 RUN 1 //6.0' to 1240'					_	1				
BS-06 RUN 1 //6.0' to 1240'					-	1				
BS-06 RUN 1 //6.0' to 1240'					_	1				
BS-06 RUN 1 //6.0' to 1240'					_	-				
BS-06 RUN 1 //6.0' to 1240'					_	1				
BS-06 RUN 1 //6.0' to 1240'					-12	6				
RUN 1 116.0' to 1240'	1		_		-12	ч	_			
RUN 1 116.0' to 1240'	To	11		001711						
RUN 1 116.0' to 1240'	185	-06		09114	1 5					
TOP		11/1 ///	11/4/	740	10					
TOP		111 1/6	0.0 10 /2	27,0	1					
PROJECT HOLE NO PROM TO BOX NO	#	nD	0		100					
PROJECT HOLE NO PROM TO BOX NO	10	01	1		1					
PROJECT: 10LE NO. TROW TO BOX NO.	1/6/3	Company Com		18 June 16	11					
PROJECT: HOLE NO	1.13				1					
PROJECT - HOLE WO			1		5					
PROJECT HOLE NO TO BOX NO D		- ball	1							
TROM10R6X NO		PROFET	HOLE NO.	7 2000	7-40					
		TROMT	0BOX NO		-					
			The State of	and the same of the						

Color pictures of the cores <u>Yes</u> Cores will be stored for examination for <u>—</u>
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)





	V3 Companies of Hillnois Ltd.
<b>/</b> >	7325 Janes Avenue
	Woodridge, IL 60517
	630.724.9200 phone
\ <b>\ \</b>	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. 016–1279	353	11-Y-A	соок	354	243
STRUCTURE NO. 010-1275			CONTRAC	T NO. 6	OR19
SHEET NO. 23 OF 35 SHEETS		ILLINOIS FED. A	ID PROJECT		