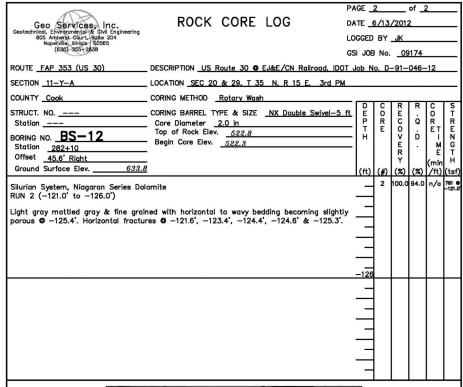
					PAGE 4	of _	4	
Geo Services Inc.	S	OIL E	OF	DATE 6/13/2012				
Geo Services, Inc. Geotechnical, Environmental & Givil Engineering 805 Amherst Court, Suite 204 Napeville, Jilhigal 60565 (630) 355-2838					LOGGED BY			
Naperville, Illinois 50565 (630) 355-2838					GSI JOB No.			
ROUTE _FAP 353 (US 30)	DESCRIPTI	IONI 118 I	2011	30 A FIRE/ON Pailsond ID				
						-51-040	-12	
SECTION 11-Y-A								
COUNTY Cook	DRILLING	METHOD .	Holl	<u>ow Stern Auger/Rotary</u> HAMN	MER TYPE <u>Die</u>	drich Au	tomati	С
STRUCT. NO	l _D	ви	м	Surface Water Elev. <u>n/a</u>		рВ	Ιυ	М
Station	E P	L C	0	Stream Bed Elev. <u>n/a</u>	-	E L P 0	C	P
BORING NO. <u>BS-12</u> Station <u>282+10</u>	T	W	s	Groundwater Elevation: First Encounter 625.8	_	TW		S
Offset 45.6' Right		S Qu	Т .		$\overline{\nabla}$	H S	Qu	Ľ
Ground Surface Elev. 633.8	(ft)	/6") (tsf)	(%)	After Hrs	▽	(ft) (/6°	(tsf)	(%
Run 1 continued.	12.8	RUN 1	0			\exists		
Silurian System, Niagaran Series Dolo	mite —						_	┡
RUN 2 (-121.0' to -126.0')	-					_		
Light gray mottled gray & fine grains	ed					一		T
with horizontal to wavy bedding becoming slightly porous @ -125.4'.	_	RUN 2	2			_		
Horizontal fractures ♥ -121.6', -123.	.4', —					-	+	┢
-124.4', -124.6' & -125.3'.	-125					-145		
Recovery=100.0% RQD=94.0%						_		
30	07.8		г			-		
End Of Boring ♥ -126.0 Hollow Stem Augers To -10.0'	ーゴ		Т			一		T
Rotary Drilling To Completion CME Automatic Hammer		_	<u> </u>				-	┡
CME Automatic Hammer	-					-		
						ᅺ		
	<u>-130</u>	-	⊢			<u>-150</u>	+	⊢
		_	_					┡
	-					-		
	╛					ᆂ	1	T
	\neg					\neg		
	-	-	┢			+	+	⊢
	-135		L			_155	<u>L</u>	L
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	\exists					_		
	\neg					\exists		Γ
	-140			ge, S—Shear, P—Penetrometer) ST—S		-160 e VS=Van		

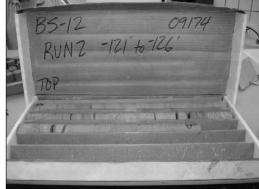
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Sheur, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (X)
NR-No Recovery

				PAGE _	1		of _	2	
Goo Stritons Inc.	ROCK	CORE	LOG	DATE					
Geotechnical, Environmental & Civil Engineering 805 Amberst Court, Suite 204				LOGGED					_
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst-Court, Salte 204 Naperville, Illinois 50565 (630) 355+2858				GSI JOE					
ROUTE _FAP 353 (US 30)	DESCRIPTION US	Poute 30 A	F.I&F /CN Pailroad ID					.12	-
			5 N. R 15 E. 3rd Pl		J. D	31-	J-70-	12	-
COUNTY Cook	CORING METHOD			VI					
				, <u>, D</u>	C	R	R	C	S
STRUCT. NO Station	Core Diameter		NX Double Swivel-16	P	O R	E	ġ	O R	T R
BORING NO. BS-12	Top of Rock Elev	522.8		_ H	E	0	Ď	ET	E N
Station <u>282+10</u>	Begin Core Elev.	522.3		-		E R		M E	G T
Offset 45.6' Right Ground Surface Elev. 633.8				///	,,,	Y	/ _{~~}	(min	
				(ft)		(%) 100.0	(%) 86.0	/ft) n/a	(tsf) 891 o
Silurian System, Niagaran Series Dol RUN 1 (-111.0' to -121.0')	omite			_				,,,	-111.3
Gray & fine grained with horizontal	bedding becoming	light arav m	nottled grav & slightly	, –	ł				
porous ♥ -114.9'. Horizontal fractu	res @ -111.1', -11			_	1				
-117.7', -118.4', -118.7' & -119.4'.					l				
				_	1				
				<u>-116</u>	1				
				_	1				
				_	l				
				_	1				
				_	l				
				-121					
		- 1		-12	_				닉
Ties	7-17		091711	1-1					
_ 8	5-14		01114	+					
	21111 -11	10/1-	1210	7					
	COLU II	1.0 10	1210						
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	70			20					
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S. S. S.		100	1 07	1					
			N.	-					
		100	A STATE OF THE STA	-					
		-		-					

Color pictures of the cores <u>Yes</u> Cores will be stored for examination for —

The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)





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 Hillnols Ltd.
/ >	7325 Janes Avenue
	Woodridge, IL 60517
(V /	630.724.9200 phone
\ \ \	630.724.9202 fax
	www.v3co.com

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

STATE	OF ILLINOIS				
DEPARTMENT OF TRANSPORTATION					

SOIL BORING LOGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	353	11-Y-A	соок	354	220			
STRUCTURE NO. 016–1350			CONTRAC	T NO. 6	OR19			
SHEET NO. 35 OF 35 SHEETS		ILLINOIS FED. AID PROJECT						