						F	AGE 4		of 4	4			
Geo Services Inc	SOIL BORING LOG						DATE _2/8-9/2012						
Geo Services, Inc. Geotechnical, Environmentol & Civil Engineering 805 Arnherit - Caurt, Sutte 204 Nagerville, Illinois - 60565		•					OGGED BY						
Napervile, Illinois 60565 (630) 355-2838							SSI JOB No	-					
ROUTE _ FAP 353 (US 30)	DESCRIP	TION	US F	Route	30 @ EJ&E/CN Rail								
SECTION 11-Y-A													
					ow Stem Auger/Rotar		TYPE CM	E Aut	oma	tic			
STRUCT. NO					Surface Water Elev.	n/a					Г		
Station	DE	BL	UC	MO	Stream Bed Elev.	n/a		DE	BL	UC	2		
BORING NO. BS-02	P	0 W	S	I S	Groundwater Elevatio			P T	0 W	S			
Station 276+82 Offset 25.4' Right	н	s	Qu	т	First Encounter Upon Completion	<u>624.4</u> n/a		н	s	Qu	1		
Ground Surface Elev. 632.4	(ft)	(/6")	(tsf)	(%)	After Hrs.		 ▼	(ft)	(/6")	(tsf)	(
RUN 1 (-117.0' to -127.0')								_			Γ		
Horizontal fractures @ -118.3', -119	.1'												
-119.5', -119.6', -120.0', -120.5', -121.8', -122.5', -122.6', -122.7',								1			Γ		
-123.2', -123.6', -124.2' & -125.0'	. –							- +			┢		
Recovery=93.5%	_		RUN 1								L		
RQD=82.5%	-							-	_		┢		
	-125							-145			L		
								-			L		
	_	1									L		
	05.4							_			L		
Silurian System, Niagaran Series Dolo RUN 1 (—127.0' to —133.0')	_	1									t		
Light gray to gray & fine grained wi horizontal bedding becoming mottled	th							_			L		
gray & slightly porous with horizonta to wavy bedding @ -130.1'. Horizonta	ıl ——										t		
fractures @ -129.5', -130.7', -131.1		-130 RUN 2						-150			Ļ		
-131.7' & -132.2'.	_							_			l		
Recovery=100.0% ROD=100.0%	_	1									Ļ		
											L		
4	99.4	<u> </u>									t		
End Of Boring ☺ —133.0 Hollow Stern Augers To —10.0'	_							-			L		
Rotary Drilling To Completion	_										T		
10.0' Of 4.0"ø Casing Used CME Automatic Hammer	<u>–135</u>	$\left \right $						-155			┞		
	_							_					
	_	\vdash						-			╀		
	_										L		
								_					
								_			L		
	-140							-160					
The Unconfined Compressive Strength (UCS) Failur		ndicate	d by (B-Bul	ne. S-Shear, P-Penetromete	r) ST-Shell	ov Tube Sampl		-Vane	Shear	Te		

				PAGE 1		of _2			1
Geo Services, Inc.	ROCK	CORE	LOG	DATE _ 2/8	3-9/20	12			Geo Servic
Geo Sprvices, Inc. Geotechnical, Environmental & Givil Engineering 80 Arnhertz Caurt, Satte 204 Noperville, Illingis 60565 (630) 355-258				LOGGED BY	Y <u>DR</u>				Geo Servic Geotechnical, Environment 805 Amberit Cau Napetville, Illin
(630) 355+2838				GSI JOB N	o. <u>09</u>	174			(630) 355
ROUTE FAP 353 (US 30)	DESCRIPTION US	Route 30 🛛	EJ&E/CN Railroad, ID	OT Job No.	D-91-0	046-12			ROUTE _ FAP 353 (L
SECTION 11-Y-A	LOCATION SEC 20) & 29. T 3	5 N. R 15 E. 3rd P	M					SECTION 11-Y-A
COUNTY Cook	CORING METHOD	Rotary Was	h		R	RC	s	-	COUNTY Cook
			NX Double Swivel-1		E	R C Q R	T		STRUCT. NO
Station BORING NO BS-02	Core Diameter <u>.</u> Top of Rock Elev	2.0 in 515.4		— I Ê		È E			Station BORING NO. BS-
Station <u>276+82</u>	Begin Core Elev.	515.4		<u> </u>	E		MG		Station 276+82
Offset 25.4' Right					R Y	(m	- L L L		Offset 25,4' Righ
Ground Surface Elev632.4				(ft) (#		(%) /f			Ground Surface Ele
Silurian System, Niagaran Series Dolo RUN 1 (-117.0' to -127.0')	omite			1	93.5	82.5 n/	a 951 e -117.0		Silurian System, Nic RUN 2 (-127.0' to
Gray & fine grained with horizontal I	bedding becoming	light gray n	nottled gray & slight	· _					Light gray to gray
porous @ -120.3'. Horizontal fractur -120.5', -121.8', -122.5', -122.6', -	-122.7', -123.2', -	-123.6', -12	24.2' & -125.0'.	-					slightly porous with -130.7', -131.1', -
				1					
				-					
				<u>-132</u>					
				<u>-132</u>					
				_					
				-					
				_					
				-137			_	1	
RC	5-02 IN 1 -1170	(29/74						
	DI UT	n' 1 - 10	71'	UA.					
RU	IN 1 -11/0) to 12.	1.0 2						
	nD		a l						
10	T								
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	THE REAL PROPERTY.	The state	A REAL PROPERTY AND	No.					
State on	A	The second							
	And all and all all all all all all all all all al	all the sea	and the second	31					
and the second				-					
106		No.							
	- 11.		-	1					

Color pictures of the cores Yes_____ Cores will be stored for examination for ______ The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)



npanles of IIIInols Ltd. Janes Avenue	USER NAME =	DESIGNED - WJV	REVISED		SOIL BORING LOGS	F.A.P.	SECTION	COUNTY TOTAL SHE
idge, IL 60517		CHECKED - CJB	REVISED	STATE OF ILLINOIS		353	11-Y-A	COOK 354 28
24.9200 phone 24.9202 fax	PLOT SCALE =	DRAWN - WJV CHECKED - CJB	REVISED	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016-1415 SHEET NO. 7 OF 7 SHEETS			CONTRACT NO. 60R
3co.com	FEOI DATE -	CHECKED - COD	REVISED		SHEET NO. 1 OF 1 SHEETS		ILLINUIS FED.	AID PROJECT

	DOOK	0005			2			2	-
Geo Services, Inc. Geotechnical, Environmental & Givil Engineering 805 Anherit Court, Suite 204 Noperville, Minula, 60565	ROCK	CORE	LOG		2/8-		012		-
805 Amberst Court, Saite 204 Naperville, Illinois 60565				LOGG	ED BY	DR			_
(630) 355+2838				GSI J	OB No	09	9174		_
ROUTE FAP 353 (US 30)	DESCRIPTION US	Route 30 @	EJ&E/CN Railroo	id. IDOT Job	No. D	-91-	046-	-12	_
SECTION 11-Y-A	LOCATION SEC 20	D & 29. T 3	5 N. R 15 E.	3rd PM					_
COUNTY Cook	CORING METHOD	Rotary Was	h						
STRUCT. NO	CORING BARREL T	YPE & SIZE	NX Double Swi	vel-10 ft E	0	R E C	R	C O	S T
Station	Core Diameter		-	F		CO	Q	R E T	RE
BORING NO. BS-02	Top of Rock Elev. Begin Core Elev.	505.4		—— F		VE	Ď	- i M	N G
Station <u>276+82</u> Offset <u>25,4' Right</u>						RY	· .	Ĕ	Т
Ground Surface Elev632.4	1			(1	t) (#)	(%)	(%)	(min /ft)	H (tsf)
Silurian System, Niagaran Series Do	omite				2		100.0		824 0
RUN 2 (-127.0' to -133.0')		ling hearing	a motiled area		_				-127.0
Light gray to gray & fine grained w slightly porous with horizontal to we	avy bedding @ −13	0.1'. Horizon	tal fractures @	-129.5',	-				
-130.7', -131.1', -131.7' & -132.2'									
				_	-				
				- <u>132</u>	.0				
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				-1	37				
No.	12			10					
	B5-02 RVN 2 -		09174						
	DUNI7 -	-177%.	-1221						
	KUNZ	12/10	199.0	N N					
-	TAD			**					
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- Andrew - State		ALC: NO	- A cure						
1		a 12 12	- 2 - ap ante- a						
			and the second second						
	E All M	100	128 44						
Color pictures of the cores <u>Yes</u> The "Strength" column represents the			xamination for <u>—</u> the core sample (ASTM D-293	8)				