							PAGE 4	ł	of	4		
	SOIL BORING LOG				DATE 6/20/2012							
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amberst-Caurt, Suite 204 Naperville, Ulindia 60565	Ŭ	U					LOGGED BY DR					
Naperville, Illinois 60565 (630) 355+2838								No09				
ROUTE FAP 353 (US 30) DE							JOD NO	5. D-91-	040-	-12		
SECTION <u>11-Y-A</u> LC												
COUNTY Cook DF	RILLING	MET	THOD .	Holle	ow Stern Auger/Rotar	-	R TYPE	Diedrich	Auto	omatio	c	
STRUCT. NO	D	в	U	м	Surface Water Elev. Stream Bed Elev.	n/a		- _D	в	Ū	3	
Station BORING NO	E	LO	CS	0		n/a		- E	L	C S	1	
Station 278+78	Ť	WS	Qu	Ś	Groundwater Elevatio First Encounter	n: <u>Dry To</u>	10.0'	ΙŤ	WS	Qu	1	
Offset 30.6' Right					Upon Completion	n/a		V				
Ground Surface Elev. <u>633.1</u>	(ft)	(/6")	(tsf)	(%)	After Hrs.	<u> </u>		▼ (ft)	(/6*)	(tsf)	0	
Run 1 continued.	_							_				
Very porous from -123.7' to -125.0'.	_							_			┢	
Recovery=98.0%		1	RUN 1	r							L	
RQD=74.5%												
		ł										
	_	1									Γ	
508	. 1–125	-						<u>-145</u>	_		┝	
Silurian System, Niagaran Series Dolom	ite											
RUN 2 (-125.0' to -130.0')	_										Ļ	
Light gray mottled gray & fine grained with horizontal bedding.Horizontal												
fractures @ -125.5', -129.4', -129.7'	_		RUN 2	1							t	
& -129.9'.	_							_			L	
Recovery=100.0% RQD=86.0%		1									┢	
	. <i>1</i> –130							-150			L	
End Of Boring @ -130.0	-											
Hollow Stem Augers To -10.0' Rotary Drilling To Completion												
116.0' Of 3.0"ø Casing Used	_							_			Γ	
10.0' Of 4.0"ø Casing Used CME Automatic Hammer	_	-	<u> </u>					_			┝	
	_	1									L	
	_		<u> </u>								┡	
	-135							-155				
	-										l	
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			1					_			1	

	PAGE _1 of _2	PAGE 2 of 2
Geo Services Inc. ROCK CORE LOG	DATE 6/20/2012	
Geo Sprvi Cess Inc. ROCK CORE LOG Geotentical. Environmentals & divid Engineering 805 Antherat-Caurt. Spate 204 Norekrilles. Implement & Gooss	LOGGED BY DR	Geo Services Inc. RUCK CURE LUG DATE <u>6/20/2012</u> Geotechnicol, Envirgnmental & Give Engineering 805 Anherit - Gate 204 Noperation, Lincologie (50565 LOGGED BY <u>DR</u>
003 Antherst - Caurt, Salte 204 Naperville, Ulinoja - 60565 (630) - 355+2838		
	GSI JOB No. 09174	
ROUTE <u>FAP 353 (US 30)</u> DESCRIPTION <u>US Route 30 © EJ&E/CN Railroan</u>	d. IDOT Job No. D-91-046-12	ROUTE <u>FAP 353 (US 30)</u> DESCRIPTION <u>US Route 30 © EJ&E/CN Railroad, IDOT Job No. D-91-046-12</u>
SECTION <u>11-Y-A</u> LOCATION <u>SEC 20 & 29. T 35 N. R 15 E. 3</u>	rd PM	SECTION _11-Y-A LOCATION _SEC 20 & 29, T 35 N, R 15 E, 3rd PM
COUNTY Cook CORING METHOD Rotary Wash		COUNTY Cook CORING METHOD Rotary Wash
STRUCT. NO CORING BARREL TYPE & SIZE NX Double Swin		STRUCT. NO CORING BARREL TYPE & SIZE NX Double Swivel-5 ft D C R R C S Station Core Diameter 2.0 in P R C Q R R Top of Rock Fley Station T E O E T E O E E E C E C C R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R C Q R R R C Q R R R C Q
Station Core Diameter 2.0 in Top of Rock Elev	vel−10 ft E O E . O T P R C Q R R T E O . ET E H V D I N H E . M G	STRUCT. NO CORING BARREL TYPE & SIZE NX Double Swivel-5 ft E O E . O T Station Core Diameter 2.0 in P R C Q R R BORING NO. BS-15 Po of Rock Elev. <u>519.1</u> H V D I N
BORING NO. DO TO Begin Core Fley. 518.1		BORING NO. BS-15 100 01 1000 - 579.7
Station 278+78 Bigin Cold Loss 378.7 Offset		Station 278+78 Begin Core Elev. 518.1 E M G Offset 30.6' Right X K<
Ground Surface Elev. 633.1	(ft) (#) (%) (%) /ft) (tsf)	Ground Surface Elev
	1 98.0 74.5 n/a 920 0 1	
Silurian System, Niagaran Series Dolomite		Siunun System, Nugurun Senes Dolomite
RUN 1 (-115.0' to -125.0')		RUN 2 (-125.0' to -130.0')
Gray & fine grained with horizontal bedding becoming lighter gray & slightly porou -121.0'. Vertical fracture from -115.1' to -115.5'. Highly fractured from -116.5' to	s o —	Light gray mottled gray & fine grained with horizontal bedding.Horizontal fractures ♥
-116.8' 2.0" clay parting @ -116.8' Horizontal fractures @ -118.1' -120.1' -120		-123.3, -123.7, @ -123.7 @ -123.9.
-121.5', -121.6', -122.2', -122.6', -123.4', -123.7' & -124.3'. Very porous from -123.7' to -125.0'.		
-123.7 to -123.0.		
	-120	
	-125	
CONTRACTOR OF THE OWNER		
85-15 09174	1 +	R5-15 09174 -
		DFTS
RUN 1 "1150'to-1250"		RIIN 2 -1250'to-1300'
The second	1 - Sec.	RUN 2 -125.0 to -1300
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121		
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and the second s		
and the second se		the state of the s
Color pictures of the cores Yes Cores will be stored for examination for -		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)	The "Strength" column represents the unication compressive strength of the core sample (ASTM D-2938)



JSER NAME =	DESIGNED - EVS	REVISED		SOIL BORING LOGS	F.A.P. RTF	SECTION	COUNTY	TOTAL SHEET
	CHECKED - WJV	REVISED	STATE OF ILLINOIS		353	11-Y-A	СООК	354 250
PLOT SCALE =	DRAWN - EVS	REVISED	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–1279	l		CONTRAC	
PLOT DATE =	CHECKED - WJV	REVISED		SHEET NO. 30 OF 35 SHEETS	ILLINOIS FED. AID PROJECT			