						PA	GE <u>1</u>	_ 0	of _4	Ļ	
Geo Services Inc		S	OII	L B	OF	RING LOG DA	TE 6/20/	2012			
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherist Court. Suite 204 Noperville, Illingia 60565		_					GGED BY _				
Naperville, Illinois 60565 (630) 355-2838											
GSI JOB No. 09174 ROUTE FAP 353 (US 30) DESCRIPTION US Route 30 © EJ&E/CN Railroad, IDOT Job No. D-91-046-12											
							OD NO. D-	91-6	/40 -	12	
SECTION 11-Y-A LOCATION SEC 20 & 29, T 35 N, R 15 E, 3rd PM											
COUNTY Cook	_ DRIL	LLING	MET	HOD _	Holle	ow Stern Auger/Rotary HAMMER	YPE <u>Died</u>	rich	Auto	matic	С
STRUCT. NO	_	D	В	U	м	Surface Water Elev. <u>n/a</u>		ь	в	Ū	١,
Station	-	E	L	C S	0	Stream Bed Elev. n/a	-	E	L	C S	١
BORING NO. <u>BS-15</u> Station <u>278+78</u>	_	Т	W		S	Groundwater Elevation: First Encounter <u>Dry To 10</u>		T	W		1
Offset 30.6' Right	_	н	S	Qu	Т	Upon Completion n/a		н	s	Qu	
Ground Surface Elev. 633.	<u>. 1</u>	(ft)	(/6")	(tsf)	(%)	After Hrs		(ft) (/6°)	(tsf)	(
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medium dense (Fill)			8	_	14	CI AV	-	コ	9	1.5B	1
	630.1	1				CLAY—gray— medium stiff to stiff (A—6)	_	_			l
		_	3		101			\dashv	,		,
SILTY CLAY-dark brown & gray- very stiff (A-6)		_	5		101		-	╛	3		ť
10. y 0 (x 0)		5	5	3.75B	24		_	-25	7	0.9B	Ŀ
	627.6	3					607.6	\dashv			l
			1			SILTY CLAY LOAM	-	\dashv	,		l
SANDY CLAY LOAM-brown & gray- loose (A-4)			3			SILTY CLAY LOAM-gray- stiff (A-4/A-6)	_	ゴ	3		Γ
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Sand		PAGE _2	of _4	_						
CSD JOB No. 0.9174 COUNTY FAP 353 (US 30) DESCRIPTION US Route 30	Geo Services Inc.	SOIL BORING LOG DATE 6/20,	DATE 6/20/2012							
CSD JOB No. 0.9174 COUNTY FAP 353 (US 30) DESCRIPTION US Route 30	Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204	LOGGED BY								
ROUTE_FAP_353 (US 30) DESCRIPTION_US_Route_30	(630) 355+2838	GSI JOB No.								
SECTION 11-Y-A	ROUTE FAP 353 (US 30)									
COUNTY Cook Co										
STRUCT. NO										
Station BS-15 B	·		Jrich Automatic	=						
BORING NO. BS-15 Station 278+78 Offset 30.6' Right Ground Surface Elev. 633.1 (ft) /6" (tsf) (%) After Hrs. First Encounter Dry To 10.0' The Wise Qu (ft) /6" (tsf) (%) After Hrs. After Hrs. Ground Surface Elev. Ground Surface Elev. Ground Surface Elev. 633.1 (ft) /6" (tsf) (%) After Hrs. Ground Surface Elev. Groundwater Elevation: First Encounter Dry To 10.0' The Wise Qu (ft) /6" (tsf) (%) After Hrs. Groundwater Elevation: First Encounter Dry To 10.0' The Wise Qu (ft) /6" (tsf) (%) After Hrs. Groundwater Elevation: First Encounter Dry To 10.0' The Wise Qu (ft) /6" (tsf) (%) After Hrs. Groundwater Elevation: First Encounter Dry To 10.0' The Wise Qu (ft) /6" (tsf) (%) After Hrs. Groundwater Elevation: First Encounter Dry To 10.0' The Wise Qu (ft) /6" (tsf) (%) After Hrs. Groundwater Elevation: First Encounter Dry To 10.0' The Wise Qu (ft) /6" (tsf) (%) After Hrs. Groundwater Elevation: First Encounter Dry To 10.0' The Wise Qu (ft) /6" (tsf) (%) After Hrs. Groundwater Elevation: First Encounter Dry To 10.0' The Wise Qu (ft) /6" (tsf) (tsf) (ft) /6" (tsf) (tsf) (ft) /6" (tsf) (tsf) (ft) /6" (IDIBLUIMI S. D. S. S. T.		М						
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I medium dense to dense (A_A) I		medium dense to dense (A-A)	14	106						
			- 2.7							
-60 10 NP 15 -80 16 2.48 ; The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear To 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	The Unconfined Compressive Strength (UCS) Failure	Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample	VS=Vane Shear T	Z2 Test						

PAGE _3 ___ of _4 Geo Services, Inc. chnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838 SOIL BORING LOG DATE 6/20/2012 LOGGED BY DR 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 SECTION 11-Y-A LOCATION SEC 20 & 29, T 35 N, R 15 E, 3rd PM DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic Surface Water Elev. <u>n/a</u> BORING NO. BS-15 Groundwater Elevation: Station 278+78
Offset 30.6' Right T | W | H | S | Qu | First Encounter Dry To 10.0' \blacksquare Upon Completion n/aS Qu (ft) (/6") (tsf) (%) After _____ Hrs. ▼ (ft) (/6") (tsf) (%) 633.1 Ground Surface Elev. ___ CLAY-gray-stiff to very stiff (A-6)SILTY CLAY LOAM-gray-medium dense to dense (A-4) ___ 12 1.9S**©** _-85 16 11.4% 1 -105 22 1.1B 20 SILTY CLAY-gray-very stiff (A-6) SILTY SAND & GRAVEL-gray-very dense (A-2) 5 Drillers Observation: Apparent Bedrock.
5 18.1-115
Silurian System, Niagaran Series Dolomite
RUN 1 (-115.0' to -125.0') Gray & fine grained with horizontal bedding becoming lighter gray & slightly porous \$\tilde{\text{porous}}\$ = -121.0'. Vertical fracture from -115.1' to -115.5' to -115.5'. Highly fractured from RUN 1 -116.5' to -116.8'. 2.0" clay parting \$\tilde{\text{porous}}\$ = -116.6'. Horizontal fractures \$\tilde{\text{porous}}\$ = -118.1', -120.1', -120.1', -120.1', -120.1', -120.1', -120.1', -120.1', -120.1', -120.1', -120.1', -120.1', -120.1', -120.1', -120.1', -120.1', -120.1' is noted in indicated by (8-Bulge, S-Sheer, P-Penetrometer) ST-Sheiby Tube Sample VS=Vone Shear Test The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1206) The Unit Dry Weight (pct) is noted in Italics above moist (\$\tilde{\text{NR}}\$) NR-No Recovery CLAY-gray-stiff to very stiff (A-6)

NR-No Recovery			

	USER NAME =	DESIGNED - EVS	REVISED	
venue . 60517		CHECKED - WJV	REVISED	
0 phone 2 fax	PLOT SCALE =	DRAWN - EVS	REVISED	
2 10 1	PLOT DATE =	CHECKED - WIV	REVISED	

SOIL BORING LOGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 016-1279	353	11-Y-A	соок	354	249
31NUCTURE NO. 010-1279			CONTRACT	NO.	60R19
CHEET NO 20 OF 75 CHEETS					