				PAGE _2 of _2
Geo Services Inc	SO	IL E	OF	RING LOG DATE 2/7/2012
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Artherist-Court. Squite 204 Naperville, Illinois 50565	30			LOGGED BY DR
Naperville, Illinois 60565 (630) 355-2838				GSI JOB No
ROUTE FAP 353 (US 30)	DESCRIPTIO	N USI	Route	s 30 © EJ&E/CN Railroad, IDOT Job No. D−91−046−12
SECTION 11-Y-A				
				ow Stern Auger/Rotary HAMMER TYPE CME Automatic
STRUCT. NO016-1279		T	I	Surface Water Elev. n/a
Station	DEL		M	Stream Bed Elev. n/a D B U E L C
BORING NO. RW-10	PO	S	Š	Groundwater Elevation:
Station <u>275+75</u>	. H S	Qu	Ť	First Encounter 623.6 THIS Qu
Offset <u>47.0' Left</u> Ground Surface Elev. <u>629.6</u>	(ft) (/	(tsf)	(%)	Upon Completion n/a ∇ (ft) (/6") (tsf) (
		+		
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	+	+	\vdash	l
	-			SAND-gray-medium dense (A-3)
	;			"I
	<u>-45 s</u>	NP.	16	65 15 NP
SAND-gray-medium dense (A-3)	\Box			コー
SAND-gray-medium dense (A-3)	+	+	H	562.6
				302.0
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	7	3		SAND & GRAVEL-gray-dense (A-1)16
	_50_7	NP	23	
	+	_		
				557.6
	-T			
	Η,	ا،		SILTY LOAM-gray-dense (A-4)
	1			23
	<u>-55 1</u>	B NP	25	554.6 -75 27 NP
				End Of Boring © -75.0 - Hollow Stem Augers To -10.0'
	1	+-	\vdash	Rotary Drilling To Completion 10.0' Of 4.0"ø Casing Used
	-			CME Automatic Hammer
	\neg			
	⊢,	,		-
	1	_		
	-60 1	5 NP	22	

ASPHALT & STONE—very dense (Fill) 35 35 30 NP 5 627.6 SANDY CLAY LOAM—brown & gray—loose to medium dense (A−2/A−6) — 10 10 11 11 13 NP 22 15 16 NP 18 11 13 NP 20 15 NP 20 15 NP 20 15 NP 20 15 NP 17 620.1 SANDY LOAM—gray—medium dense (A−2) — 9 9 30 10 NP 22 15 NP 17 620.1										
LOGGED BY LOGG				_				of _	2	—
Country Cook	Geo Services, Inc.	S	Ol	L E	OF	RING LOG DATE <u>6</u> ,	/11/2012	2		_
Country Cook	805 Amherst Court, Suite 204					LOGGED	BY <u>JK</u>			_
SECTION 11—Y—A LOCATION SEC 20 & 29, T 35 N, R 15 E, 3rd PM COUNTY Cook DRILLING METHOD Hollow Stern Auger/Rotory, HAMMER TYPE CME Automatic STRUCT. NO. ——————————————————————————————————	(630) 355+2838					GSI JOB	No. <u>09</u>	174		_
DRILLING METHOD DRILLING METHOD	ROUTE FAP 353 (US 30)	DESCRIP	TION	US F	Route	e 30 © EJ&E/CN Railroad, IDOT Job No	D-91-	046-	-12	_
STRUCT. NO D B U C No D B U No Surface Water Elev/α	SECTION 11-Y-A	LOCATIO	N _S	C 20	& 2	29. T 35 N. R 15 E. 3rd PM				_
Station ——	COUNTY Cook	DRILLING	MET	HOD _	Holle	ow Stern Auger/Rotary HAMMER TYPE	CME Au	toma	tic	_
Stretcm Bed Elev	STRUCT. NO			l		Surface Water Elev. <u>n/a</u>	_ [_			
Station 273+60 H S Qu T T T T T T T T T		E	L	С	0	Stream Bed Elev. <u>n/a</u>	— E	L	С	0
Station 273+60 H S Qu T T T T T T T T T	BORING NO. RW-17			s					S	
SAND_gray_medium dense (A−3) SAND_gray_medium dense (A−4) SAND_gray_medium dense (A−3) SAND_gray_medium dense (A−4)	Station 273+60			Qu		Committee of the commit	H		Qu	Ť
12.0" CONCRETE 629.6 33	Offset 34.6' Right	(4)	/0"	(+=5)	/ o y\			/6*	(+nf)	/e/\
12.0° CONCRETE 629.6 ASPHALT & STONE-very dense (Fill) 53 30 NP 5 627.6 4 109 -4 -5 5 1.6B 19 LOAM-gray-medium dense (A-4) -5 -6 -6 -18 -6 -17 -7 -10 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	Ground Surface Elev630.6	(ii)	//° /	(tsi)	(~)			/ 0 /	((81)	(%)
ASPHALT & STONE-very dense (Fill)	12.0" CONCRETE	29.6	1			SAND GRAY MECICIN CONSC (A-0) 6	10.1			
SANDY CLAY LOAM—brown & gray— loose to medium dense (A-2/A-6) SANDY LOAM—gray—medium dense (A-2) SILTY CLAY LOAM—gray— 4		_	31				_	8		ᆫ
627.6 - 4 109 - 5 1.68 19 CAMP CLAY LOAM—brown & gray—loose to medium dense (A−2/A−6) - 5	ASPHALT & STONE-very dense (Fill)	-	-							
SANDY CLAY LOAM—brown & gray— loose to medium dense (A-2/A-6) SANDY CLAY LOAM—brown & gray— loose to medium dense (A-2/A-6) SANDY LOAM—gray—medium dense (A-4) SANDY LOAM—gray—medium dense (A-4) SANDY LOAM—gray—medium dense (A-4) SANDY LOAM—gray—medium dense (A-4) SANDY LOAM—gray—medium dense (A-2) SANDY LOAM—gray—medium dense (A-2) SANDY LOAM—gray—stiff (A-4/A-6) SILTY CLAY LOAM—gray—stiff (A-4/A-6) SILTY CLAY LOAM—gray—stiff (A-4/A-6) SILTY CLAY LOAM—gray—stiff (A-4/A-6) SILTY CLAY LOAM—gray—stiff (A-4/A-6) SAND—gray—medium dense (A-3) SAND—gray—dense (A-3)	6.	-	30	NP	5		_	13	NP	22
SANDY CLAY LOAM—brown & gray—loose to medium dense (A-2/A-6)	O.		1				_			
SANDY CLAY LOAM—brown & gray—loose to medium dense (A-2/A-6)			4		109		_	10		ᆫ
SANDY CLAY LOAM—gray— loose to medium dense (A-2/A-6) 5	SANDY CLAY LOAM-brown & gray-	_	1 '				_			
SANDY LOAM—gray— medium dense (A-2) SILTY CLAY LOAM—gray— stiff to very stiff (A-4/A-6) SILTY CLAY LOAM—gray— stiff to very stiff (A-4/A-6) SILTY CLAY LOAM—gray— stiff (A-		5	5	1.6B	19		25	16	NP	18
SANDY LOAM-gray- medium dense (A-2) SILTY CLAY LOAM-gray- stiff to very stiff (A-4/A-6) SILTY CLAY LOAM-gray- stiff to very stiff (A-4/A-6) SILTY CLAY LOAM-gray- stiff (A-4/A-6) SAND-gray-medium dense (A-3)	loose to medium dense (A-2/A-6)	-	1			LOAM-gray-medium dense (A-4)	-			
SANDY LOAM-gray- medium dense (A-2) SILTY CLAY LOAM-gray- stiff to very stiff (A-4/A-6) SILTY CLAY LOAM-gray- stiff to very stiff (A-4/A-6) SILTY CLAY LOAM-gray- stiff (A			5					11		L
SANDY LOAM-gray- medium dense (A-2)		_	1							
SANDY LOAM-gray- medium dense (A-2)	C22 C		6	-	18		_	15	NP	20
medium dense (A-2)	622.0	•	ł							
medium dense (A-2)	CANDY LOAN		4					9		
SILTY CLAY LOAM-gray- stiff to very stiff (A-4/A-6) SILTY CLAY LOAM-gray- stiff to very stiff (A-4/A-6) SILTY CLAY LOAM-gray- stiff (1 .				_	-		
SILTY CLAY LOAM-gray— stiff to very stiff (A-4/A-6)	. ,	<u>10</u>	7	NP	17		30	10	NP	22
SILTY CLAY LOAM-gray- stiff to very stiff (A-4/A-6)	D2	20.1	1				_			
SILTY CLAY LOAM-gray- stiff to very stiff (A-4/A-6)			4							
SILTY CLAY LOAM-gray- stiff to very stiff (A-4/A-6)		-	1			58	8.6			
stiff to very stiff (A-4/A-6) -15 8 1.48 22 -15 8 1.48 22 -16 -15 8 1.48 22 -17 8 1.5P 22 -18 1.5P 22 -19 8 1.5P 22 -19 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		_	8	2.0P	24		_	Н		⊢
stiff to very stiff (A-4/A-6) -15 8 1.48 22 -15 8 1.48 22 -16 -15 8 1.48 22 -17 8 1.5P 22 -18 1.5P 22 -19 8 1.5P 22 -19 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		-	1							
SAND-gray-medium dense (A-3) -15 8 1.48 22 stiff (A-4/A-6) -35 7 1.18 23 -35 7 1.18 23			4		105			4		105
SAND-gray-medium dense (A-3) SAND-gray-medium dense (A-3)	stiff to very stiff (A-4/A-6)	_					_	- 2		
8 1.5P 22 612.6 SAND-gray-medium dense (A-3)		15	8	1.4B	22	Still (A-4/A-0)	35	7	1.1B	23
8 1.5P 22 612.6 SAND-gray-medium dense (A-3)		-	ł				-			
8 1.5P 22 612.6 SAND-gray-medium dense (A-3)			4							
SAND-gray-medium dense (A-3)		_	1 1			58	93.6			
SAND-gray-medium dense (A-3) 5 SAND-gray-dense (A-3) - 9 - 15 - 15 - 40 20 NP 18		–	8	1.5P	22		_	\vdash		⊢
SAND-gray-medium dense (A-3)	6	12.6	ł	l			_			l
SAND-gray-medium dense (A-3) 6	CAND		5		L	SAND-gray-dense (A-3)		9		L
	SANU-gray-medium dense (A-3)		6					0.77		
	The Unconfined Compressive Strength (UCS) Failure			NP	28 B-Bul	ge S-Shear P-Penetrometer) ST-Shelby Tube So				

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 abow NR-No Recovery

								PAGE 2		of	2	_
Goo Sorvices Inc		S	011	L B	OF	RING LOG		DATE 6/11				_
Geo Services Inc. Geotechnical, Environmental & Civil Engineering 805 Artherst Court, Sutte 204 Naperville, Minishs 60565 (630) 355-2838		_	-					LOGGED BY				
Naperville, Illinois 60565 (630) 355-2838								GSI JOB No.				
ROUTE FAP 353 (US 30)	DESC	CRIP	пом	US F	Route	30 © EJ&E/CN Railro	oad, IDO	T Job No. D	-91-	046-	-12	
SECTION 11-Y-A	LOCA	ATION	N _SE	C 20	& 2	29. T 35 N. R 15 E.	3rd PM					
COUNTY Cook	DRIL	LING	MET	HOD _	Holle	ow Stern Auger/Rotary	_ HAMME	R TYPE CM	E Aut	oma	tic	
STRUCT. NO	. [D	В	U	м	Surface Water Elev.	n/a		D	В	U	
Station	-	E	סרנ	Co	-03	Stream Bed Elev.	n/a		EP	סרנ	Co	ı
BORING NO. RW-17 Station 273+60	-	T	₩ 5	100	S	Groundwater Elevation First Encounter	n: <u>622.6</u>	_	T	≫ N		
Offset 34.6' Right	.	Н	_	Qu		Upon Completion	n/a	$\overline{\nabla}$	н		Qu	l
Ground Surface Elev630.6	2	(ft)	(/6")	(tsf)	(%)	After Hrs.	107 00	▼	(ft)	(/6")	(tsf)	(
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SAND-gray-dense (A-3)	-	_							$\overline{}$			L
	588.6								_			l
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SANDY LOAM-gray-dense (A-2)			11									L
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End Of Boring ● -60.0'		_	12						_			١
Hollow Stem Augers To -10.0' Rotary Drilling To Completion	-		17						\equiv			t

Rotary Drilling To Completion

CME Automatic Hammer

570.6 -60 21 NP 21

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (8-Bulge, S-Shear, P-Penetrometer)

NR-No Recovery

ST-Sheiby Tube Sample VS-Vane Shear Test
NR-No Recovery

	V3 Companies of Hillnois Ltd.
/ >	7325 Janes Avenue
	Woodridge, IL 60517
	630.724.9200 phone
\ \\	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 TRUCTURE NO. 016–1279		SECTION	COUNTY	TOTAL	SHEE NO.
		11-Y-A	соок	354	252
			CONTRACT	NO.	60R19
SHEET NO. 32 OF 35 SHEETS		ILLINOIS FED. A	ID PROJECT		