					PAOF 4			,		
	c	ΔU			PAGE 1					
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Arnherst Court, Suite 204 Naperville, Illinois 60565	2	UIL	_ 5	U		DATE <u>1/17/2012</u>				
805 Amherst Court, Suite 204 Naperville, Illinois 60565					LOGGED BY	MD				
(è30) 355+2838					GSI JOB No	. 09	174			
ROUTE <u>FAP 353 (US 30)</u>	DESCRIPT	ΠON .	US F	Route	30 © EJ&E/CN Railroad, IDOT Job No. [91-0	046-	12		
SECTION 11-Y-A	LOCATION	N_SE	C 20	& 2	29. T 35 N. R 15 E. 3rd PM					
						edrich	Auto	matic	С	
COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic STRUCT. NO. 016-1279 Surface Water Elev. n_i/α										
Station	D E	BL	U	M	Stream Bed Elev. n/a	D	B L	U	1	
BORING NO. RW-08	P	0	S	1	Groundwater Elevation:	P	0	s		
Station 274+75	T H	W S	Qu	S	First Encounter 624.3	T H	W S	Qu	1	
Offset 51.5' Left	1	۱۱۱	40		Upon Completion n/a	11	٦	40	l	
Ground Surface Elev628.8	(ft)	(/6")	(tsf)	(%)	After Hrs	(ft)	/6")	(tsf)	(
3.0" ASPHALT, 3.0" CRUSHED STONE	628.3	П			SILTY CLAY-gray-soft (A-6) Wet 608.	3			Γ	
		١. ا				-	.		l	
SILTY CLAY—dark brown & gray— very stiff (A—6)	_	5	3.25 0	99	SILTY CLAY LOAM-gray-	\dashv	4		t	
very still (A=0)	_		14.1%	24	medium dense (A-4)		7	2.0P	ŀ	
6	25.8				605.	8			Γ	
SANDY LOAM-gray-loose (A-2)	_	١, ١				\dashv			l	
	24.3	4		_		\rightarrow	7		t	
•	-5	4	NP	18		-25	5	0.5P	Ŀ	
		П					П		Γ	
SAND-gray-loose (A-3)		H				_			l	
onto gray loose (N-5)	_	2		_		+	2		╀	
	_	3 3	NP	17			3 4	1.6B	Ŀ	
6	20.8	۲			CLAY-gray- medium stiff to stiff (A-6)	\Box	Ť	1100	ľ	
					medium sum to sum (A=0)	\neg			l	
SILTY LOAM-gray-medium dense (A-	_4\ —	3				\rightarrow	2		╀	
SIETT LOAM-GLOY-Mediam dense (A-	-10	3 7	NP	18		-30	3 2	0.5P	ŀ	
6	18.3	М	NE	10			-	U.SP	ť	
		ΙI				\Box			l	
	_	2				_	_		Ļ	
	_	3	1.25P	24		_			l	
SILTY CLAY-gray-	_	۲	1.25	24			\dashv		t	
stiff to very stiff (A-6)		ΙI							l	
		3		105		\rightarrow	2		L	
	-15	4 5	2.7B	22		-35	3	0.75P	١.	
6	13.3	3	2./8	22		-33	4	v. / 3P	۲	
						\exists			ĺ	
		2		$ldsymbol{ldsymbol{eta}}$		\Box	_		L	
	_	3			591.	8			۱	
SILTY CLAY-gray-soft (A-6) Wet	_	4	0.25P	27		+	\dashv		H	
SILTI CLAT-gray-sort (A-6) Wet	_				SAND-gray-	\neg			ĺ	
		3			loose to medium dense (A-3)	\exists	4		L	
		23			41 800		5			
	-20	4	0.25P	26		-40	4	NP		

	<u></u>						PAGE 2 of 2						
Geo Services, Inc.	S	OI.	L B	OF	RING LOG	DATE <u>1/17/2012</u>							
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Arnherst Court, Suite 204 Naperville, Illinois 60565						LOGGED BY	MD			_			
(630) 355+2838						GSI JOB No.	09	174		_			
ROUTE FAP 353 (US 30)	_ DESCRIPT	NOF	US F	Route	30 © EJ&E/CN Railroad, IDOT	Job No. D	-91-	046-	-12	_			
SECTION 11-Y-A	_ LOCATION	I_S	EC 20	&c 2	29. T 35 N. R 15 E. 3rd PM					_			
COUNTY Cook	_ DRILLING	MET	HOD _	Holle	ow Stem Auger/Rotary HAMMER	R TYPE Die	drich	Auto	matic	<u> </u>			
STRUCT. NO. 016-1279	_ [_	_	l		Surface Water Elev. n/a					L.,			
Station	- D E	B	U	M O	Stream Bed Elev. n/a		D E	B	C	M			
BORING NO. RW-08	_ P	0 W	S	S	Groundwater Elevation:		P	0 W	S	S			
Station <u>274+75</u> Offset <u>51.5' Left</u>	- Н	S	Qu	Т	First Encounter 624.3 Upon Completion n/a		н	S	Qu	Т			
Ground Surface Elev. 628.	8 (ft)	(/6")	(tsf)	(%)	After Hrs	¥	(ft)	(/6")	(tsf)	(%)			
				Г						Г			
	_		\vdash	Н	1		_	П		\vdash			
	_			_				_					
							_			ı			
		4			SAND-gray-medium dense (A	4-3)	\equiv	7		乚			
SAND-gray-	-	5		20			-	9					
loose to medium dense (A-3)	<u>-45</u>	4	NP				_65	7	NP	20			
	_						_						
	_			\vdash			_	_		⊢			
	_									L			
	_						_						
	_	9					_	9					
		12						11					
	50	12	NP	19			<u>-70</u>	11	NP	18			
				_			_			⊢			
	576.8					556.8	,						
	_						-						
	_	я			SILTY LOAM-gray-medium de	nse (A-4)	_	9					
SANDY LOAM-gray- medium dense (A-2)		10					\equiv	12					
modalii donoc (// 2)	55	11	NP	21		553.8	75	15	NP	20			
	_				End Of Boring @ -75.0'	. '	-						
				_	Hollow Stem Augers To -10.0 Rotary Drilling To Completion		$\overline{}$			L			
	571.8				10.0' Of 4.0"\(\text{Casing Used} \) Diedrich Automatic Hammer		_						
				\vdash			_	Н		Г			
SAND-gray-medium dense (A-3)	_						_						
	-	9 15		\vdash			_	\vdash		\vdash			
7-11-6-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	-60	7	NP	22			-80	Ш	61				
The Unconfined Compressive Strength (UCS) Fai The SPT (N value) is the sum of the last two NR-No Recovery	iure mode is in blow values in	each	samplin	ng zor	ge, 5—5near, P—Penetrometer) ST—She le (AASHTO T206) The Unit Dry Weight	(pcf) is noted	in itali	=vane cs abo	onear ove moi	st (%			

PAGE _1 ___ of _2 SOIL BORING LOG Geo Services, Inc. echnical, Environmental & Givil Engli 805 Amherst Court, Suite 204 Napriville, Milriolis 60565 (630) 355-2838 DATE <u>2/7/2012</u> LOGGED BY DR ROUTE FAP 353 (US 30) DESCRIPTION US Route 30 © EJ&E/CN Railroad, IDOT Job No. D-91-046-12 LOCATION SEC 20 & 29, T 35 N, R 15 E, 3rd PM SECTION 11-Y-A DRILLING METHOD Hollow Stern Auger/Rotary HAMMER TYPE CME Automatic STRUCT. NO. 016-1279 Surface Water Elev. <u>n/a</u> BORING NO. **RW-10**Station 275+75
Offset 47.0' Left T W | H S Qu First Encounter 623.6 Upon Completion n/aT W S Qu T

(ft) (/6") (tsf) (%) (ft) (/6") (tsf) (%) After ____ Hrs. ____ (ft 629.6 Ground Surface Elev. ___ 3.0" ASPHALT, 5.0" SAND & GRAVE 28.8 SANDY CLAY-brown-very stiff (A-6) SILTY CLAY—brown & gray— medium stiff (A—6) Wet SILTY CLAY LOAM-gray-loose (A-4) SANDY LOAM-gray-very loose (A-2) SILTY LOAM-gray-medium dense (A-4) SILTY CLAY LOAM-grayloose (A-4) SILTY LOAM-gray-medium dense (A-4)

The Unconfined Compressive Strength (UCS) Foliure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear in the Unconfined Compressive Strength (UCS) Foliure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear in the Unconfined Compressive Strength (UCS) Foliure Mode is the SPT (N value) is the sum of the lost two blow values in each sampling zone (AASHTO 1206) The Unit Dry Weight (pcf) is noted in Italias above male

	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

SOIL BORING LOGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 016-1279	353	11-Y-A	соок	354	251
31NUCTURE NO. 010-1275			CONTRAC	NO.	60R19
SHEET NO. 31 OF 35 SHEETS		ILLINOIS FED.	AID PROJECT		