						PAGE _1_	of .	3	_
Geo Services, Inc.	S	SOI	L E	BOF	RING LOG	DATE _2/	10/2013		_
Geo Services, Inc. Geotechnical, Environmental-& Givil Engineering 805 Artherst-Court, Suttle 204 Naperville, Illinois 60565						LOGGED B	Y <u>DR</u>		_
(630) 355-2838						GSI JOB N	lo. <u>09174</u>	1	
ROUTE FAP 353 (US 30)	DESCRIP	MOIT	US I	Route	30 @ EJ&E/CN Ro				
SECTION 11-Y-A									
COUNTY Cook							iedrich Au	tomati	ic
STRUCT. NO		T	T .	I	Surface Water Elev		I I	I	Ť
Station	P	B	UC	M	Stream Bed Elev.		- E E	U	ı
BORING NO. BS-01	P	0	Š	1	Groundwater Elevat	ion:	PO	s	Т
Station <u>276+82</u>	H	W	Qu	S	First Encounter	Dry To −10.0'	T W H S	Qu	ı
Offset 39.5' Left	(4)	(60)	(tsf)	(a)	Upon Completion	n/a		(+-6)	J
Ground Surface Elev. 630.9	(it)	//* /	(tsi)	(%)	After Hrs.		2 100/28	((SI)	Ŧ
5.0" ASPHALT, 10.0" CRUSHED STON		┨					-	1	ı
6	29.4	3					2		⊥
SANDY CLAY-dark brown & gray-	-	5					5		l
very stiff (A-6) Fill	27.9	6	2.75P	15			- 6	NP	+
	_	1			SILTY LOAM-gray-			1	ı
SILTY CLAY-brown & gray-	-	3	_	98	loose to medium	iense (A-4)	2	+	+
very stiff (A-6)	_	4 5 5	2.3B	24			2 -25 3	NP	
6	25.4		2.35	24				INF	t
	_	7					_	1	ı
SANDY LOAM to LOAM-brown & gray	y_	2		Н			3	+	+
loose (A-2/A-4)	_	3	NP	20			— 3 ₅	NP	
6	22.9	1				602	2.9	1	Τ
	_	3					\dashv	1	
	_	3	\vdash	Н			2	\vdash	t
	<u>-1</u>	0 3	NP	20	SILTY CLAY LOAM-	-gray—	-30 3	0.5B	4
SANDY LOAM—gray— loose to medium dense (A—2)	_	-			loose (A-4)		\dashv	1	ı
loose to mediam dense (A-2)	_	1 3					_	1	ı
		4				598	3.9		T
	17.9	6	NP	23			+	+	+
D	17.9	1					_	1	ı
		2		105	SILTY LOAM	(4. 4)	2	╄	1
SILTY LOAM-groy- loose to medium dense (A-4)		2	١		SILTY LOAM-gray-	very loose (A-4)	2	l.,,	ı
		5 3	NP	22			-35 2	NP	+
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	-	3 5	NP	22		593	5.9		
	_	Ť	<u> </u>				\perp	\top	t
	_				SAND-gray-mediu	m dense (A-3)	4		
	-	4	_	Н	- AND THE SAME OF		6	+	+
	-2		NP	23			-40 5	NP.	L

SOIL BORING LOG DATE 2/10/2013 LOGGED BY DR					PA	GE _2	of	3	
Cook	Coo Street	SO	II E	ROF					_
DESCRIPTION US Route 30	Geotechnical, Environmental & Civil Engineering 805 Amberst Court Suits 204	30							_
DESCRIPTION US Route 30	Naperville, Illinois 60565 (630) 355-2838								_
SECTION 11—Y—A LOCATION SEC 20 & 29. T 35 N. R 15 E. 3rd PM COUNTY Cook DRILLING METHOD Hollow Stern Auger/Rotary HAMMER TYPE Diedrich Automatic STRUCT. NO. —— Station —— Station —— BORING NO. BS—01 Station 276+82 Offset 39.5' Left Ground Surface Elev. 630.9 THE STRUCT. NO. —— Station —— BORING NO. BS—01 H S Qu H S Surface Water Elev. 71/a Stream Bed Elev. 71/a Groundwater Elevation: First Encounter Upon Completion Automatic First Encounter Upon Completion Automatic Upon Completion Automat		DESCRIPTION	u ue i						_
DRILLING METHOD Hollow Stern Auger/Rotary HAMMER TYPE Disdrich Automatic						OD NO. D-91-	-046-	-12	_
STRUCT. No		-			,				_
Station		DRILLING ME	THOD .	Holl		YPE <u>Diedrich</u>	n Aut	<u>omati</u> I	<u></u>
BORING NOBS01	and the state of t		U					U	м
Station 276+82 Offset 39.5' Left Ground Surface Elev. 630.9 H S Qu T Upon Completion 276+82 V V V V V V V V V		PIO	S		DD 25 55 80-00 800	P	0	S	1
Offset 39.5' Left Ground Surface Elev. 630.9 (ft) (/e*) (tsf) (%) After Hrs. 7 (ft) (/e*) (ftsf) (%) SAND-gray-medium dense (A-3) SAND-gray-medium dense (A-3) SILTY LOAM-gray-medium dense (A-4)	Station _276+82				POST STORY OF THE			Qu	S
SAND-gray-medium dense (A-3) SAND-gray-medium dense (A-3) SILTY LOAM-gray- medium dense (A-4) SILTY LOAM-gray- medium dense (A-4) SILTY LOAM-gray- medium dense (A-4) SAND-gray-medium dense (A-5) SAND-gray-medium dense (A-65 14 NP 22		(41)	m (4-6)	/~^	11. 10. 1 11. 10. 11. 11. 11. 11. 11. 11	100		/4-A	/~~
SAND-gray-medium dense (A-3) SILTY LOAM-gray- medium dense (A-4) SILTY LOAM-gray- medium dense (A-4) SILTY LOAM-gray- medium dense (A-4) 11 -65 14 NP 22 -7 -50 7 NP 23 SAND & GRAVEL-gray- medium dense (A-1) -70 12 NP 10 -70 12 NP 10 -71 15	Ground Surface Elev. 630.9	(11) (76	(tsi)	(%)	After Hrs	Δ (π.	//6	(tsi)	(%)
SAND-gray-medium dense (A-3) SILTY LOAM-gray- medium dense (A-4) SILTY LOAM-gray- medium dense (A-4) SILTY LOAM-gray- medium dense (A-4) 11 -65 14 NP 22 -7 -50 7 NP 23 SAND & GRAVEL-gray- medium dense (A-1) -70 12 NP 10 -70 12 NP 10 -71 15							1		
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SAND-gray-medium dense (A-3) -45 9 NP 25 medium dense (A-4) -65 14 NP 22 -65 14 NP 22 -65 14 NP 22 -65 14 NP 10 -65 15 NP			T			_	士		
SAND-gray-medium dense (A-3) -45 9 NP 25 medium dense (A-4) -65 14 NP 22 -65 14 NP 22 -65 14 NP 22 -65 14 NP 10 -65 15 NP						_	-		l
SAND-gray-medium dense (A-3) -45 9 NP 25 -6 14 NP 22 -65 14 NP 22 -6 3.9 -7 -50 7 NP 23 SAND & GRAVEL-gray-medium dense (A-1) -70 12 NP 10 -70 12 NP 10 -70 15 NP 10		- 4		Н		ţ -	11	-	⊢
563.9		_		25	medium dense (A-4)	6		NP	22
563.9	SAND-aray-medium dense (A-3)	_				_	4		
SAND & GRAVEL-gray	, , , , , , , , , , , , , , , , , , ,	_				-	1		
SAND & GRAVEL—gray—				П		563.9	T		
SAND & GRAVEL—gray—		+	+	H		-	+		⊢
SAND & GRAVEL—gray—						_	1		
				H	SAND & CRAVEL - grov-	_	_	_	⊢
558.9		_		23		- 7	_	NP	10
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		8		22		7	24	ND	10
			T NP		CII TV I CAVA] "	INF.	1,9
SILTY LOAM-gray- medium dense to dense (A-4)							4		
+++		+	+	\vdash	The second secon	_	+	\vdash	\vdash
		\neg		$oxed{oxed}$		_	1_		L
		-					-		
<u></u>						_	13		L
12							18		
-60 10 NP 2480 18 NP 20 The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Sheliby Tube Sample VS-Vone Shear Test The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 17266) The Unit Dry Weight (pcf) is noted in italics above moist (%)	The Unconfined Compressive Strength (UCS) Failur	re Mode is indic	ated by (B-Bul	ge, S-Shear, P-Penetrometer) ST-Shelby	Tube Sample V	S=Vane	Shear	Test

PAGE <u>3</u> of <u>3</u> Geo Services, Inc. chnicol, Environmental-& Civil Engineering 805 Arberst-Caurt, Salte 204 Naperville, Jillinolas 60565 (630) 355-2858 SOIL BORING LOG DATE 2/10/2013 LOGGED BY DR GSI JOB No. <u>09174</u> 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 DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automat Surface Water Elev. $\frac{n/a}{\sqrt{a}}$ STRUCT. NO. ___ Station ___ BORING NO. BS-01
Station 276+82 P 0 S I T W S H S Qu T Groundwater Elevation:

First Encounter

Upon Completion

After Hrs.

Groundwater Elevation:

Dry To −10.0 ▼ H S Qu T

T W W S T

W (tt) (**)

(tt) (**) Offset 39.5' Left (ft) (/6") (tsf) (%) After _____ Hrs. 630.9 Ground Surface Elev. CLAY-gray-stiff (A-6) 9 -105 11 1.8B 19 SILTY LOAM-gray-medium dense to dense (A-4) ___ 12 __90 16 NP GRAVEL-gray-very dense (A-1) _110 SANDY CLAY LOAM with Fractured Rock-gray-very dense (A-2) Drillers Observation: Possible Bedrock End Of Boring © -118.5'
Hollow Stem Augers To -10.0'
Rotary Drilling To Completion
10.0' Of 4.0' & Casing Used
CME Automatic Hammer CLAY-gray-stiff (A-6)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Te 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

(V)	V3 Companies of Illinois 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