Soil Boring Log — RW-29 (Left Panel)

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

DATE 1/12/2012
LOGGED BY DR
GSI JOB No. 09174

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
COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic

STRUCT. NO. 016-1280
Station --
BORING NO. **RW-29**
Station 287+40
Offset 66.0' Left
Ground Surface Elev. 630.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to -10.0' ▼
Upon Completion n/a ▽
After ___ Hrs. ▽

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)

SAND—gray—medium dense (A-3)
588.2

SAND & GRAVEL—gray—medium dense (A-1)

| -45 | 7 / 10 / 12 | NP | 11 |

SAND—gray—dense to very dense (A-3)
583.2

| -50 | 18 / 26 / 30 | NP | 20 |

SAND—gray—dense to very dense (A-3)

| -55 | 19 / 22 / 25 | NP | 21 |

(right column, RW-29 page 2)

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
	19		
-65	45 / 50/3"	NP	22
-70	24 / 47 / 50/4"	NP	20
-75	38 / 50/5"	NP	19
555.2

End Of Boring @ -75.0'
Hollow Stem Augers To -10.0'
Rotary Drilling To Completion
10.0' Of 4.0"∅ Casing Used
Diedrich Automatic Hammer

| -60 | 15 / 17 | NP | 23 |
| -80 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
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 (%)
NR-No Recovery

Soil Boring Log — RW-31 (Middle Panel)

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

DATE 1/18-19/2012
LOGGED BY DR
GSI JOB No. 09174

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
COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic

STRUCT. NO. 016-1282
Station --
BORING NO. **RW-31**
Station 283+75
Offset 23.0' Right
Ground Surface Elev. 632.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to -10.0' ▼
Upon Completion n/a ▽
After ___ Hrs. ▽

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)

10.0" TOPSOIL—black
631.8

	AS	--	20
	3		98
	5		26
	7	3.1B	26

SILTY CLAY—dark brown & gray—very stiff (A-6) Wet

	6		98
	7		
-5	5	3.25B	26
627.2

SANDY CLAY LOAM—brown & gray—very loose (A-2)

	1		
	2	--	19
	2		
624.7

	3		
	4		
-10	4	NP	18

SANDY LOAM—brown & gray—very loose to loose (A-2)

	2		
	3		
-15	5	NP	24

	2		
	3		
	3	NP	24

SANDY LOAM—gray—medium dense to dense (A-2)

	2		
	3		
-20	5	NP	21

(right column, RW-31 page 1)

SANDY LOAM—very loose to loose (A-2)
612.2

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
	2		
	3		
	4	NP	23

SILTY LOAM—gray—very loose to loose (A-4)

	2		
	2		
-25	2	NP	23

	2		
	2		
	3	NP	23

	2		
	2		
-30	3	NP	24

600.7

	2		
	3		
-35	3	NP	13

SILTY SAND & GRAVEL—gray—medium dense (A-2)
595.7

	11		
	15		
-40	19	NP	22

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
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 (%)
NR-No Recovery

Soil Boring Log — RW-31 (Right Panel)

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SOIL BORING LOG

DATE ___
LOGGED BY DR
GSI JOB No. 09174

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
COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic

STRUCT. NO. 016-1282
Station --
BORING NO. **RW-31**
Station 283+75
Offset 23.0' Right
Ground Surface Elev. 632.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to -10.0' ▼
Upon Completion n/a ▽
After ___ Hrs. ▽

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)

SANDY LOAM—gray—medium dense to dense (A-2)
590.7

SAND—gray—medium dense to dense (A-3)

	9		
	12		
-45	17	NP	23

SAND—gray—medium dense to dense (A-3)

	12		
	13		
-50	13	NP	21

CLAY LOAM—gray—very stiff to hard (A-6)

	12		
	18		
-55	15	NP	21

End Of Boring @ -75.0'
Hollow Stem Augers To -10.0'
Rotary Drilling To Completion
10.0' Of 4.0"∅ Casing Used
Diedrich Automatic Hammer

| -60 | 15 / 18 | NP | 20 |

(right column, RW-31 page 2)

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
	2		
	3		
	4	NP	23

	13		
	18		
-65	25	NP	22

565.7

	14		
	19		
-70	22	4.5+P	10

	12	111	
	20		
-75	29	2.8B	15
557.7

| -80 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
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NR-No Recovery

V3 Companies of Illinois Ltd.
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME =	SHEET	DESIGNED - EVS	REVISED
PLOT SCALE =		CHECKED - WJV	REVISED
		DRAWN - EVS	REVISED
PLOT DATE =		CHECKED - WJV	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 016-1280

SHEET NO. 23 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	278

CONTRACT NO. 60R19
ILLINOIS FED. AID PROJECT