

PAGE 2 of 2

SOIL BORING LOG

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering
805 Amherst-Court, Suite 204
Naperville, Illinois 60563
(630) 355-2838

DATE DR _____
LOGGED BY 1/23/2112
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-35**
Station 285+60
Offset 41.5' Right
Ground Surface Elev. 631.4

DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)	Surface Water Elev. <i>n/a</i>		DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)
				Stream Bed Elev. <i>n/a</i>	Groundwater Elevation:				
				First Encounter <i>Dry to -10.0'</i>	After _____ Hrs.				
				Upon Completion <i>n/a</i>					
8						23			
12						28			
-45	15	NP	22			-65	30	NP	22
SAND-gray-medium dense to dense (A-3)				SAND-gray-medium dense to dense (A-3)					
10						8			
12						12			
-50	14	NP	23			-70	17	NP	23
16						17			
20						30			
-55	25	NP	23			-75	37	NP	23
SAND-gray-loose to very dense (A-3)				SAND-gray-loose to very dense (A-3)					
15						17			
22						30			
-60	34	NP	21			-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

PAGE 1 of 2

SOIL BORING LOG

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering
805 Amherst-Court, Suite 204
Naperville, Illinois 60563
(630) 355-2838

DATE DR _____
LOGGED BY 1/23/2112
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-36**
Station 286+40
Offset 49.5' Right
Ground Surface Elev. 631.2

DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)	Surface Water Elev. <i>n/a</i>		DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)
				Stream Bed Elev. <i>n/a</i>	Groundwater Elevation:				
				First Encounter <i>Dry to -10.0'</i>	After _____ Hrs.				
				Upon Completion <i>n/a</i>					
10.0"						31			
10.0" TOPSOIL-black				10.0" TOPSOIL-black					
4						108			
5						2.4B	17		
-628.2									
3						3			
5						4			
-65	2	0.75P	20			-25	5	NP	24
SANDY CLAY LOAM-brown & gray-loose (A-2)				SANDY CLAY LOAM-brown & gray-loose (A-2)					
4						6			
7						9			
10						11			
-625.7						-25	5	NP	24
SAND-brown-medium dense (A-3)				SAND-brown-medium dense (A-3)					
5						5			
6						7			
10						10			
-620.7						-30	10	NP	20
2						2			
3						3			
4						0.5P	23		
-618.2									
SILTY CLAY with Silt Seams-gray-medium stiff (A-4/A-6)				SILTY CLAY with Silt Seams-gray-medium stiff (A-4/A-6)					
2						8			
2						14			
3						17			
-615	3	NP	21			-35	19	NP	22
SAND-gray-loose to very dense (A-3)				SAND-gray-loose to very dense (A-3)					
4						9			
7						14			
9						17			
-60						-40	17	NP	24
5						9			
6						14			
-20	7	NP	20			-40	17	NP	24

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

PAGE 2 of 2

SOIL BORING LOG

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering
805 Amherst-Court, Suite 204
Naperville, Illinois 60563
(630) 355-2838

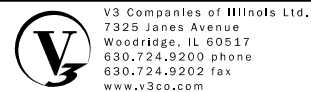
DATE DR _____
LOGGED BY 1/23/2112
GSI JOB No. 09174

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-36**
Station 286+40
Offset 49.5' Right
Ground Surface Elev. 631.2

DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)	Surface Water Elev. <i>n/a</i>		DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)
				Stream Bed Elev. <i>n/a</i>	Groundwater Elevation:				
				First Encounter <i>Dry to -10.0'</i>	After _____ Hrs.				
				Upon Completion <i>n/a</i>					
9						21			
11						23			
-45	14	NP	25			-65	26	NP	22
SAND-gray-loose to very dense (A-3)				SAND-gray-loose to very dense (A-3)					
12						25			
16						36			
-50	16	NP	25			-70	44	NP	20
17						33			
20						44			
-55	22	NP	20			-75	50	NP	21
SAND-gray-loose to very dense (A-3)				SAND-gray-loose to very dense (A-3)					
12						33			
14						44			
-60	17	NP	25			-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



USER NAME = _____
DESIGNED - EVS
CHECKED - WJV
REVISOR = _____
REVISIONS = _____

PLOT SCALE = _____
DRAWN - EVS
CHECKED - WJV
REVISOR = _____

PLOT DATE = _____
DESIGNED - EVS
CHECKED - WJV
REVISOR = _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
STRUCTURE NO. 016-1280**

SHEET NO. 25 OF 25 SHEETS

F.A.P. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	280
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				