

Geo Services, Inc.		SOIL BORING LOG		PAGE 1 of 3	
Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838		DATE 7/2/2012		LOGGED BY DR	
ROUTE FAP 353 (US 30)		DESCRIPTION US Route 30 @ EJ&E/CN Railroad, IDOT Job No. D-91-046-12		GSI JOB No. 09174	
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. ---		Surface Water Elev. <i>n/a</i>		D E P T H	
Station ---		Stream Bed Elev. <i>n/a</i>		B L O W S	
BORING NO. BS-05		Groundwater Elevation:		U C S	
Station 279+75		First Encounter 622.1		M O I S T	
Offset 39.5' Left		Upon Completion <i>n/a</i>		Qu	
Ground Surface Elev. 631.1		After _____ Hrs.		(ft) (/6") (tsf) (%)	
TOPSOIL-black	AS - 26				
	7			4	109
	15			4	
	12 - 29			4	1.3B 20
	628.1				608.1
SILTY CLAY-dark gray to black-stiff (A-6) Wet	2			2	
	3			4	
	-5 4	1.5B	27	-25 5	1.0P 25
	625.6				
SILTY CLAY-brown & gray-very soft (A-7) Wet	0			2	
	1			3	
	1	0.25P	34	4	1.5P 23
	622.1				
Silty SAND & GRAVEL-brown & gray-loose (A-2)	3			3	
	-10 4	NP	18	-30 3	0.4B 27
	620.6				
SILTY LOAM-gray-loose (A-4)	4				
	3				
	5	NP	22		
	618.1				599.1
SILTY CLAY-gray-soft (A-6) Wet	3			2	
	3			3	
	-15 5	2.5P	24	-35 4	0.25P 31
	618.1				
SILTY CLAY LOAM-gray-loose (A-4/A-6)	2				
	2				
	4	1.2B	23		
	618.1				594.1
SAND-gray-medium dense (A-3)	2			6	
	3			9	
	-20 5	1.75P	26	-40 10	NP 22

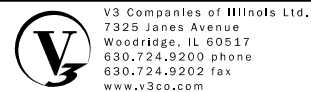
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-S Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR-No Recovery

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Station ---		Stream Bed Elev. <i>n/a</i>		B L O W S	
BORING NO. BS-05		Groundwater Elevation:		U C S	
Station 279+75		First Encounter 622.1		M O I S T	
Offset 39.5' Left		Upon Completion <i>n/a</i>		Qu	
Ground Surface Elev. 631.1		After _____ Hrs.		(ft) (/6") (tsf) (%)	
SAND-gray-medium dense (A-3)					
	4			12	
	9			18	
	-45 9	NP	21	-65 16	NP 25
	579.1				559.1
SANDY LOAM-gray-medium dense to dense (A-2)					
	6			6	
	12			8	
	-50 14	NP	20	-70 8	NP 24
	579.1				559.1
SAND with Gravel-gray-medium dense (A-1)					
	6			6	
	6			7	
	-55 6	NP	16	-75 11	NP 21
	574.1				554.1
SANDY LOAM-gray-medium dense to dense (A-2)					
	11			11	
	16			18	
	-60 16	NP	22	-80 20	NP 22

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Ground Surface Elev. 631.1		After _____ Hrs.		(ft) (/6") (tsf) (%)	
SILT-gray-dense (A-4)					
	9			8	136
	17			11	
	-85 19	NP	24	-105 32	1.9S 9
	544.1				
CLAY-gray-stiff to very stiff (A-6)					
	4			45	134
	8			50/4"	
	-90 11	1.7B	23	-110 3	3.1S 9
	544.1				
CLAY LOAM-gray-dense (A-4/A-6)					
	5			50/4"	
	7				
	-95 9	2.1B	23	-116 115	4.5+P 10
	544.1				
CLAY-gray-stiff to very stiff (A-6)					
	5				
	8				
	-100 12	2.4B	28	-120	

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 016-1279

SHEET NO. 21 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	241
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				