

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838										SOIL BORING LOG										PAGE 1 of 3	
ROUTE FAP 353 (US 30)										DESCRIPTION US Route 30 @ EJ&E/CN Railroad, IDOT Job No. D-91-046-12										DATE DR	
SECTION 11-Y-A										LOCATION SEC 20 & 29, T 35 N, R 15 E, 3rd PM										LOGGED BY 2/1/2012	
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-09										Groundwater Elevation:										U C S	
Station 282+50										First Encounter 623.5										M O I S T	
Offset 44.5' Left										Upon Completion <i>n/a</i>										Qu	
Ground Surface Elev. 629.5										After _____ Hrs.										(ft) (/ft) (tsf) (%)	
TOPSOIL-black										SILTY LOAM-loose (A-4)										609.0	
628.5										AS - 32										2	
																				2	
SILTY CLAY-brown & gray-stiff (A-6)																				2	
626.5																				3 NP 25	
																				1	
SANDY CLAY LOAM-brown & gray-loose (A-2/A-6)										SILT-gray-very loose to loose (A-4)										2	
623.5																				-25 2 NP 23	
																				2	
																				2	
																				4 NP 21	
																				2	
																				2	
																				5 NP 19	
																				-30 2 NP 24	
SILTY LOAM-brown & gray-loose (A-4)																				2	
																				2	
																				4 NP 24	
																				2	
																				4	
																				4	
																				-35 4 NP 20	
																				10	
																				14	
																				-40 15 NP 17	

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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Ground Surface Elev. 629.5										After _____ Hrs.										(ft) (/ft) (tsf) (%)	
SAND & GRAVEL-gray-loose to medium dense (A-1)																				587.5	
																				8	
																				12	
																				-45 9 NP 24	
																				10	
																				11	
																				-65 13 NP 23	
																				562.5	
																				13	
																				9	
																				-70 12 1.5S 21	
SAND-gray-medium dense to dense (A-3)																				8	
																				11	
																				12	
																				-50 12 NP 23	
																				8	
																				10	
																				-55 12 NP 24	
																				12	
																				20	
																				-75 25 2.9B 10	
																				552.5	
																				16	
																				24	
																				-80 32 2.9B 10	
																				18	
																				26	
																				-80 32 NP 16	
																				16	
																				25	
																				-100 29 1.9B 14	

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SAND-gray-dense (A-3)																				547.5	
																				48	
																				50/3	
																				-85 4.5P 10	
																				22	
																				38	
																				-105 55 2.4S 14	
																				542.5	
																				22	
																				32	
																				-90 32 1.9S 12	
																				520.0	
																				50/2	
																				-110 1.5S 15	
																				537.5	
																				16	
																				24	
																				-95 45 4.5+P 14	
																				16	
																				25	
																				-100 29 1.9B 14	

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