

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 62563 (630) 355-2838										SOIL BORING LOG										PAGE 1 of 4	
ROUTE FAP 353 (US 30)										DESCRIPTION US Route 30 @ EJ&E/CN Railroad, IDOT Job No. D-91-046-12										DATE 6/13/2012	
SECTION 11-Y-A										LOCATION SEC 20 & 29, T 35 N, R 15 E, 3rd PM										LOGGED BY DR	
COUNTY Cook										DRILLING METHOD Hollow Stem Auger/Rotary										HAMMER TYPE CME 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-11										Groundwater Elevation:										U C S	
Station 282+11										First Encounter <i>Dry To -10.0'</i>										M O I S T	
Offset 30.6' Left										Upon Completion <i>n/a</i>										Qu	
Ground Surface Elev. 631.9										After _____ Hrs. _____										(ft) / 6" (tsf) (%)	
8.0" TOPSOIL																				631.3	
																				AS - 13	
																				5 98	
																				7 3.15@	
CLAY LOAM—dark brown & gray—stiff to very stiff (Fill) Wet																				8 11.3@ 27	
																				2	
																				2	
																				-5 2 1.25P 25	
626.4																					
SANDY LOAM—brown & gray—medium dense (A-2)																				3	
																				5	
																				6 NP 18	
623.9																					
																				5	
																				5	
																				-10 7 NP 22	
SILTY LOAM—brown & gray—loose to medium dense (A-4)																				2	
																				2	
																				4 NP 26	
																				2	
																				5	
																				-15 4 NP 22	
618.4																					
SANDY LOAM—brown & gray—medium dense (A-2)																				4	
																				5	
																				7 NP 23	
613.9																					
SILTY LOAM—gray—loose to medium dense (A-4)																				4	
																				4	
																				-20 8 NP 25	

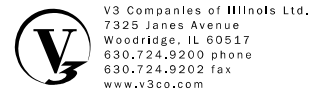
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B—Bulge, S—Shear, P—Penetrometer) ST—Shelby Tube Sample VS—Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)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

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Ground Surface Elev. 631.9										After _____ Hrs. _____										(ft) / 6" (tsf) (%)	
SAND & GRAVEL—gray—medium dense (A-1)																				584.9	
																				4	
																				7	
																				-45 12 NP 16	
SAND—gray—dense to very dense (A-3)																				15	
																				21	
																				-65 26 NP 21	
584.9																					
																				8	
																				14	
																				-50 16 NP 20	
SAND—gray—dense to very dense (A-3)																				11	
																				15	
																				-55 17 NP 19	
SANDY LOAM—gray—very dense (A-2)																				6	
																				10	
																				-75 18 2.2B 18	
554.9																					
																				17	
																				37	
																				-80 47 NP 16	

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Offset 30.6' Left										Upon Completion <i>n/a</i>										Qu	
Ground Surface Elev. 631.9										After _____ Hrs. _____										(ft) / 6" (tsf) (%)	
SANDY LOAM—gray—very dense (A-2)																				549.9	
																				32	
																				50/S	
SAND—gray—very dense (A-3)																				16	
																				27	
																				-105 39 3.3B 14	
544.9																					
																				13	
																				24	
																				-90 39 4.5+P 14	
SANDY CLAY LOAM—gray—dense to very dense (A-4/A-6)																				521.9-110	
																				4.5+P 13	
																				23	
																				50/S	
																				-115	
																				RUN 1	
																				-120	

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 016-1350
SHEET NO. 32 OF 35 SHEETS

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	217
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				