

Geo Services, Inc. SOIL BORING LOG PAGE 1 of 2
 Geotechnical, Environmental & Civil Engineering
 805 Amherst Court, Suite 204
 Naperville, Illinois 60563
 (630) 355-2838

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-28
 Station 286+90
 Offset 54.5' Left
 Ground Surface Elev. 630.1

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)
0.0	AS	-	27	10.0" TOPSOIL-black	0.0	AS	-	27
3	3				3	3		
5	5				5	5		
6	1.25P	19		SANDY CLAY LOAM-dark brown & gray-stiff (A-6) Possible Fill	6	5	NP	18
2					3			
1					5			
2	1.25P	19		SAND-gray-medium dense (A-3)	6	NP	24	
624.6					25			
2					5			
3		105		CLAY-brown-stiff (A-6)	6			
6	1.5B	22			8	NP	21	
622.1								
4					5			
5					7			
10	NP	16		SAND-brown-medium dense (A-3)	8	NP	24	
614.6					30			
4					5			
5					7			
6	NP	21		SAND-brown-medium dense (A-3)	10	NP	23	
614.6					35			
4					7			
7					10			
15	NP	17		SAND-gray-medium dense (A-3)	13	NP	23	
614.6					40			
5					5			
8					8			
10	NP	23		SAND-gray-medium dense (A-3)	10	NP	23	
593.1					12			
5				SAND & GRAVEL-gray-medium dense (A-1)	12			
7					12			
20	NP	22			44			
614.6					60	NP	20	

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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STRUCT. NO. 016-1280
 Station ---
 BORING NO. RW-28
 Station 286+90
 Offset 54.5' Left
 Ground Surface Elev. 630.1

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)
588.1				SAND & GRAVEL-gray-medium dense (A-1)	16			
27					28			
50/3				SAND-gray-dense to very dense (A-3)	37	NP	19	
65					45			
614.6					50			
19					26			
31					34	NP	21	
70				SAND-gray-dense to very dense (A-3)	43	NP	20	
619.7					50			
31					55			
50/3					31			
555.1-75				SAND & GRAVEL-gray-medium dense (A-1)	24			
614.6					31	NP	20	
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					18			
614.6					24			
4					31			
7					44			
10					80			
20	NP	18		SAND-gray-medium dense (A-3)	21			
40					44			
10					80			
20	NP	14			80			

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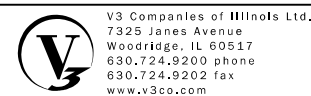
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 COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic

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

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)
629.3	AS	-	26	10.0" TOPSOIL-black	0.0	AS	-	26
3	3				3	3		
5	5			SILTY CLAY-dark brown & gray-very stiff (A-6)	5	5		
627.2	2.7B	24			5	2.7B	24	
624.6					11			
2					11	NP	21	
3								
4				SANDY LOAM-dark brown & gray-loose (A-2)	4			
624.7					7			
3					3			
5					4			
6	NP	17		SAND-gray-medium dense (A-3)	5	NP	17	
624.7					9			
6					9			
7					9			
8	NP	7		SAND-brown-medium dense (A-3)	9	NP	22	
619.7					9			
3					7			
7					5			
9	NP	20		SANDY LOAM-brown-medium dense (A-2)	7	NP	22	
617.2					30			
4					7			
7					5			
9	NP	20		SAND & GRAVEL-gray-medium dense (A-1)	7	NP	20	
614.6					9			
4					10			
5					5			
7	NP	18		SAND & GRAVEL-gray-medium dense (A-1)	7	NP	18	
614.6					11			
4					15			
5					7			
7	NP	18		SAND-gray-medium dense (A-3)	14	NP	22	
614.6					35			
4					40			
5					10			
7	NP	18			9			
614.6					10			
4					20			
5					11			
7	NP	18			10	NP	22	
614.6					40			
4					10			
5					10			
7	NP	18			11			
614.6					20			

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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. 016-1280
 SHEET NO. 22 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	277
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				