

ROUTE FAP 349 (US 30) DESCRIPTION US 30 from west of IL 31 to east of Burlington Northern Railroad  
 SECTION (10 & 11 VB) R-3 LOCATION Section 32, T. 38 N., R. 8 E., Aurora Township, 3rd P.M.  
 COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. SN 045-0039 Station 12171+21.00  
 BORING NO. SB-14 Station: 1271+63  
 Offset: 36.5' Left  
 Ground Surface Elev. 638.7

Surface Water Elev. n/a  
 Stream Bed Elev. n/a  
 Groundwater Elevation:  
 First Encounter 627.7 ▼  
 Upon Completion n/a ▼  
 After \_\_\_\_\_ Hrs. \_\_\_\_\_ ▼

DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOIST (%)
0				CLAY LOAM-black-medium dense (Fill)	0			
3				SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to dense (A-1)	3			
5					5			
8				636.2	8			
9				SAND & GRAVEL-brown-medium dense to dense (A-1)	9			
13					13			
14		NP	6		14	NP	6	
15					15			
22		NP	4		22	NP	4	
25				630.7	25			
28				SAND & GRAVEL-gray-medium dense to dense (A-1)	28			
29		NP	3		29	NP	3	
8					8			
15				FRACTURED ROCK-gray-very dense (A-1)	15			
8		NP	8		8	NP	8	
4				625.2	4			
6				Clayey SAND & GRAVEL-gray-medium dense (A-2)	6			
5					5			
7			6		7			
620.7				SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to dense (A-1)	620.7			
8					8			
11				Silty SAND & FRACTURED ROCK-gray-very dense (A-2)	11			
15		NP	8		15	NP	8	
-20					-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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DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOIST (%)
0				Silty SAND & FRACTURED ROCK-gray-very dense (A-2)	0			
23				596.7	23			
25					25			
10		NP	6		10	NP	6	
15				Drillers Observation: Possible Bedrock.	15			
11					11			
15		NP	8		15	NP	8	
24					24			
24		NP	8	593.7 -45	24	NP	8	
50/2"				End Of Boring @ -45.0' Hollow Stem Augers To -20.0' Rotary Drilling To Completion CME Automatic Hammer	50/2"			
-30		NP	7		-30	NP	7	
-50					-50			
-70					-70			
-55				-75	-55			
-75					-75			
-80					-80			

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USER NAME =	DESIGNED - J.J.G. 6/15/2012	REVISED -
CHECKED - J.A.Z. 6/15/2012	REVISED -	
PLOT SCALE =	DRAWN - D.L.G. 6/15/2012	REVISED -
PLOT DATE =	CHECKED - E.E.J. 6/15/2012	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG, SB-14  
 STRUCTURE NO. 045-0039

SHEET NO. 5107 OF 116 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11VB) R-3	KANE	507	328
CONTRACT NO. 60133				
ILLINOIS FED. AID PROJECT				