



# SOIL BORING LOG

PAGE 1 of 2

DATE 11/15/2010

LOGGED BY DR

GSI JOB No. 09172

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-02**  
 Station: 1268+22  
 Offset: 20.5' Left  
 Ground Surface Elev. 670.0

DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After
				<u>n/a</u>	<u>n/a</u>		<u>632.0</u>	<u>n/a</u>	

DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOIST (%)	DESCRIPTION
0				3.0" ASPHALT, 8.0" CONCRETE
14				CRUSHED STONE-dense (Fill)
15	NP	3		
9				SAND & GRAVEL-brown-medium dense to dense (A-1) Fill
11				
11	NP	4		
7				
16				
17	NP	5		
14				SAND & GRAVEL-brown-medium dense to dense (A-1) Fill
16				
18	NP	4		CLAY LOAM-brown-stiff (A-6) Fill
7				
8				
9	NP	1		
12				
16				
16	NP	5		
7				SAND & GRAVEL-brown-dense (A-1) Apparent Fill
5				
6	NP	5		
13				
10				
7	NP	6		SILTY CLAY-gray-medium stiff (A-6)

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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				<u>n/a</u>	<u>n/a</u>		<u>632.0</u>	<u>n/a</u>	

DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOIST (%)	DESCRIPTION
				SILTY CLAY-gray-medium stiff (A-6)
626.5				
50/4"				FRACTURED ROCK-gray-very dense (A-1)
625.0-45	NP	12		
				SANDY CLAY LOAM-gray-dense (A-2/A-4)
12				
25				
50	31	-	11	
618.0				
14				SANDY LOAM with Fractured Rock-gray-dense (A-2)
19				
55	27	NP	8	
613.0				
				SILTY CLAY-gray-very stiff (A-4/A-6)
				End Of Boring @ -60.0'
				Hollow Stem Augers To -40.0'
				Rotary Drilling To Completion
				CME Automatic Hammer
610.0-60	21	3.75P	11	

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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-2  
 STRUCTURE NO. 045-0039

SHEET NO. S89 OF 116 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11VB) R-3	KANE	507	310
CONTRACT NO. 60133				

ILLINOIS FED. AID PROJECT