

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	60-15VB-1 & 2	MADISON	149	III
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 44  
45 SHEETS

Contract #76634



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

### SOIL BORING LOG

Page 1 of 2

ROUTE FAP 310 DESCRIPTION IL 255 over Railroad Tracks LOGGED BY Larry Ford  
SECTION 60-15VB-1,2 LOCATION SEC. 23, TWP. 6N, RNG. 10W, 3 PM  
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO.	BORING NO.	Station	Offset	Ground Surface Elev. (m)	UCS Failure Mode			Surface Water Elev. (m)	Stream Bed Elev. (m)	D B U M							
					(kPa)	(%)	(%)			(m)	(mm)	(kPa)	(%)	(%)			
060-0311	RR-SB 5	39+163.5	31.00m LT CL	186.40													
							184.5										
Brown SILTY CLAY																	
											3	163	20				
											5	S10					
											6						
											3						
											4	192	28				
											5	S10					
											2						
											3	36	31				
											1	S15	33				
											19	B					
Gray SILTY CLAY LOAM																	
											2	48	25				
											2	S15					
											8						
											10	230	9				
											13	S10					
Gray SILTY CLAY																	
											11						
											13	402	10				
											14	S10					
											3						
											4	144	25				
											5	S10					
											3						
											5	201	24				
											6	S15					
											15	S10	10				
Brown and Gray CLAY LOAM																	
											3						
											5	172	20				
											6	S10					
											8						
											12	316	10				
											15	S10					
											8						
											12	402	10				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, from 137 (Rev. 8-99)



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					(kPa)	(%)	(%)			(m)	(mm)	(kPa)	(%)	(%)			
060-0311	RR-SB 5	39+163.5	31.00m LT CL	186.40													
							184.5										
Brown and Gray CLAY LOAM (continued)																	
											8	345	10				
											11	S15	10				
											14						
											7						
											12	450	20				
											14	B	20				
Gray SILTY CLAY																	
											7						
											12	450	20				
											14	B	20				
											9						
											11						
											12	345	19				
											16	B	19				
Brown and Gray SILTY CLAY																	
											6						
											7	192	20				
											8	S10					
											0						
											8	326	20				
											11	B	20				
End of Boring																	
											6						
											7	192	20				
											8	S10					
											0						
											8	326	20				
											11	B	20				
Brown CLAY LOAM																	
											5						
											8	278	24				
											7	S10	24				
											8						
											12	316	10				
											15	S10					
											8						
											12	402	10				
											14	S10					
											5						
											8	278	24				
											7	S10	24				
											8						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, from 137 (Rev. 8-99)

\$\$\$DATE\$\$\$  
 \*DATE-TIME\*  
 p:\00files\000024\Railroad-Bridge\SN060-0311\SoilBorings.dgn  
 \*REF-  
 \*REF-

REVISIONS	
NAME	DATE

#### ILLINOIS DEPARTMENT OF TRANSPORTATION SOIL BORING LOGS

FAP ROUTE 310  
SECTION 60-15VB-1 & 2  
MADISON COUNTY