



Illinois Department of Transportation

Division of Highways  
Geotechnology, Inc

# SOIL BORING LOG

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Date 2/5/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY RFW

SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W

COUNTY St. Clair DRILLING METHOD HSA DRILL RIG/  
HAMMER EFFICIENCY CME 75 / 80%

STRUCT. NO. NA  
Station NA

BORING NO. SB-404  
Station 66+00  
Offset 30ft right  
Ground Surface Elev. 414.9 ft

D E P T H	B L O W S	U C S Qu	M O I S T
(ft)	(/6")	(tsf)	(%)

Surface Water Elev. Unknown ft  
Stream Bed Elev. Unknown ft  
Groundwater Elev.:  
First Encounter Not Measured ft  
Upon Completion Not Measured ft  
After        Hrs. Not Measured ft

Crushed limestone GRAVEL base (FILL)	414.4						
Brown, SAND, trace gravel (FILL)		2					
		3					
		2					
	411.9						
Loose, brown, SAND, trace gravel		2					
		4					
		4					
		5					
		2					
		2					
		3					
		4					
		2					
		3					
		4					
		2					
		3					
		4					
	401.9						
Soft, gray, CLAY LOAM		1					
		1			21		
		2					
		1					
		1	0.4		35		
		2					
		1					
		2	0.3		30		
		2					
	394.9						

End of Boring  
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)  
\* Rlimac attempted, not measured due to sample disturbance BBS, from 137 (Rev. 8-99)  
\*\* Not measured due to drilling methods used

FILE NAME =	USER NAME = #USER#	DESIGNED - CMW	REVISED <u>CMW 002-28-11</u>
*FILE#		DRAWN - TJW	REVISED -
		CHECKED - CMW	REVISED -
		DATE - 12-20-2010	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RETAINING WALL 082-W302 BORING LOGS			
SCALE: N.T.S.	SHEET NO. 13 OF 13 SHEETS	STA. 65+90.00 TO STA. 70+90.00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-1	ST. CLAIR	319	284
CONTRACT NO. 76C75				
ILLINOIS FED. AID PROJECT				