



### SOIL BORING LOG

ROUTE 588 DESCRIPTION East Retaining Wall LOGGED BY MHPMK  
DATE 1/28/05

SECTION 60-10-4HB LOCATION NW 1/4, SEC. 8, TWP. 3N, RNG. 7W, 3<sup>rd</sup> PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140-lb Hydraulic

STRUCT. NO. <u>060-W002</u> Station <u>1354+33</u> BORING NO. <u>SB-23</u> Station <u>1354+33</u> Offset <u>82.00R Left</u> Ground Surface Elev. <u>563.06</u>	DEPTH (ft)	BULGE	SHEAR (psi)	PENETROMETER (psi)	DEPTH (ft)	BULGE	SHEAR (psi)	PENETROMETER (psi)	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.							
									ft	ft	ft	ft	ft	ft	ft	ft				
Gray-Brown CLAY (continued)										NA	ft	NA	ft	557.1	ft	524.1	ft	562.6	ft	
-Brown below 42.0 Feet																				
5																				
6										3.0		21.8								
9										S/20										
11										4.5		17.8								
18										S/20										
End of Boring										513.08	ft									

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)



### SOIL BORING LOG

ROUTE 588 DESCRIPTION West Retaining Wall LOGGED BY MHPMK  
DATE 1/24/05

SECTION 60-10-4HB LOCATION NW 1/4, SEC. 8, TWP. 3N, RNG. 7W, 3<sup>rd</sup> PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140-lb Hydraulic

STRUCT. NO. <u>060-W001</u> Station <u>1355+30</u> BORING NO. <u>SB-27</u> Station <u>1355+30</u> Offset <u>105.00R Right</u> Ground Surface Elev. <u>582.27</u>	DEPTH (ft)	BULGE	SHEAR (psi)	PENETROMETER (psi)	DEPTH (ft)	BULGE	SHEAR (psi)	PENETROMETER (psi)	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.						
									ft	ft	ft	ft	ft	ft	ft	ft			
TOPSOIL										NA	ft	NA	ft	546.3	ft	517.3	ft	562.3	ft
51.27																			
550.77										2.1		26.2							
3										B/15									
599.27																			
1																			
2										0.6		27.7							
2										B/20									
599.77																			
2																			
588.27																			
8										2.0		14.0							
9										S/20									
594.27																			
3																			
7										3.4		12.0							
11										S/20									
592.77																			
27.9																			
12										6.5		15.0							
29										S/20									
525.52																			
2										0.9		27.0							
3										B/20									
544.27																			
1																			
2										0.5		19.3							
4										S/20									
541.27																			
5																			
8										2.8		17.4							
11										S/15									
Field shear vane test at 10.0 Feet																			
Field shear vane test at 15.0 Feet																			
Gray Silty Clay LOAM																			
Dark Gray Silty CLAY																			
Gray Clay LOAM																			
Dark Gray-Sandy LOAM																			
Brown CLAY																			

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									ft	ft	ft	ft	ft	ft	ft	ft			
Brown CLAY (continued)										NA	ft	NA	ft	546.3	ft	517.3	ft	562.3	ft
-Brown below 42.0 Feet																			
3																			
6										2.9		18.2							
11										S/20									
512.27																			
10										4.0		16.7							
13										S/15									
End of Boring																			

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-10K-1,60-10HB	MADISON	420	286
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 76709

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
IL ROUTE 162 OVER I-55/70 IN TROY  
F.A.I. ROUTE 70 SECTION 60-10K-1, 60-10HB  
MADISON COUNTY STATION 499+48.35  
STRUCTURE NO. 060-0338

BORING LOGS

DESIGNED: BTO DRAWN: BTO  
DATE: 03/06 CHECKED: JAN CHECKED: JAN

SHT. S-68 OF S-68

