

Illinois Department of Transportation
Division of Highways
Slukey Geotechnical, Inc.

SOIL BORING LOG Page 1 of 2 Date 1/27/05

ROUTE 588 DESCRIPTION East Retaining Wall LOGGED BY MH/PMK

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

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

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After Days	(ft)	(ft)	(ft)	(ft)	(%)	(%)	(%)	(%)
060-W002	1356+00	SB-24	1356+00	125.00ft Left	564.30	NA	NA	553.3	553.3	552.3									
Gray-Brown SILT																			
Dark Gray SILY CLAY (continued) 543.80																			
Dark Gray-Brown CLAY																			
-Brown 42.0 to 47.0 Feet																			
Gray-Brown Silty Clay LOAM 561.30																			
-Gray-Brown below 23.0 Feet																			
Brown Sandy LOAM 538.80																			
Dark Gray-Brown Clay LOAM 536.30																			
Dark Gray-Brown Silty Clay LOAM 532.55																			
-Gray below 13.0 Feet																			
Gray Silty CLAY 548.80																			
-Gray-Brown below 18.0 Feet																			

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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060-W002	1356+00	SB-24	1356+00	125.00ft Left	564.30	NA	NA	553.3	553.3	552.3									
Gray-Brown CLAY (continued)																			
-Brown 42.0 to 47.0 Feet																			
Dark Gray-Brown below 47.0 Feet																			
End of Boring 514.30																			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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060-W002	1357+50	SB-25	1357+50	115.00ft Left	564.05	NA	NA	547.9	547.9	544.8									
Gray-Brown SILT																			
Gray CLAY (continued) 543.55																			
Dark Gray-Brown Clay LOAM																			
-Dark Gray-Brown 5.5 to 10.5 Feet																			
Dark Gray-Brown CLAY 536.05																			
-Brown below 10.5 Feet																			
Gray Silty CLAY 551.05																			
Dark Gray SILT 530.05																			
Gray CLAY 548.55																			
Dark Brown CLAY 527.30																			
-Dark Gray-Brown below 18.0 Feet																			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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060-W002	1357+50	SB-25	1357+50	115.00ft Left	564.05	NA	NA	535.0	535.0	521.0									
Dark Brown CLAY (continued)																			
Dark Brown Clay LOAM 522.30																			
Dark Brown Silty Clay LOAM 517.97																			
Dark Brown Sandy LOAM 517.30																			
End of Boring 514.05																			

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060-W002	1359+00	SB-26	1359+00	100.00ft Left	564.87	NA	NA	535.0	535.0	521.0									
Dark Gray-Brown Silty CLAY																			
Gray CLAY (continued) 544.47																			
Gray CLAY																			
-Gray-Brown below 23.0																			
Gray-Brown Silty Clay LOAM 561.97																			
-Gray-Brown Clay LOAM 538.47																			
-Dark Gray-Brown 8.0 to 13.0 Feet																			
Dark Gray SILT 533.22																			
-Gray below 13.0 Feet																			
Gray-Brown CLAY 528.22																			
Gray Silty CLAY 548.97																			

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060-W002	1359+00	SB-26	1359+00	100.00ft Left	564.87	NA	NA	535.0	535.0	521.0									
Gray-Brown CLAY (continued)																			
End of Boring 514.97																			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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NOTE:
1. Structure Number listed on boring logs as 060-W002 is SN 060-W006.

Sht. R-13 of R-13

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 STA. 17+40 TO STA. 22+50
STRUCTURE NO. 060-W006

BORING LOGS

DATE: 05/2006

DRAWN: BTO
CHECKED: JAN