



SOIL BORING LOG

Page 2 of 2
Date 1/28/06

ROUTE 586 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.	D60-W002	D	B	U	M	Surface Water Elev.	NA	ft	D	B	U	M
Station		E	L	C	O	Stream Bed Elev.	NA	ft	P	L	C	O
BORING NO.	SB-23	T	W	S	Q	Groundwater Elev.:			H	S	Q	T
Station	1354+33	H	S	Qu	T	First Encounter	557.1	ft	↓	↓	↓	↓
Offset	82.00ft Left					Upon Completion	524.1	ft	↓	↓	↓	↓
Ground Surface Elev.	563.08	ft	(ft)	(%)	(%)	After 21 Days	562.6	ft	↓	↓	↓	↓

Gray-Brown CLAY (continued)												
-Brown below 42.0 Feet												
	5											
	6	3.0	21.8									
	8	S/20										
	11	4.6	17.8									
End of Boring	18	S/20										

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. 8-89)



SOIL BORING LOG

Page 1 of 2
Date 1/24/06

ROUTE 586 DESCRIPTION West 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.	D60-W001	D	B	U	M	Surface Water Elev.	NA	ft	D	B	U	M
Station		E	L	C	O	Stream Bed Elev.	NA	ft	P	L	C	O
BORING NO.	SB-27	T	W	S	Q	Groundwater Elev.:			H	S	Q	T
Station	1355+30	H	S	Qu	T	First Encounter	546.3	ft	↓	↓	↓	↓
Offset	105.00ft Right					Upon Completion	517.3	ft	↓	↓	↓	↓
Ground Surface Elev.	562.27	ft	(ft)	(%)	(%)	After 26 Days	562.3	ft	↓	↓	↓	↓

TOPSOIL												
Gray Clay LOAM (continued)												
Dark Gray-Brown Silty LOAM	1											
Gray-Brown Silty Clay LOAM	3	2.1	28.2									
	3	B/15										
Gray-Brown SILT	1											
	2	0.6	27.7									
	2	B/20										
Gray-Brown Silty Clay LOAM	2											
	8	2.0	14.0									
Dark Gray Silty LOAM, with Organics	9	S/20										
Brown CLAY	3											
	7	3.4	12.0									
Gray Silty Clay LOAM	11	S/20										
Field shear vane test at 10.0 Feet												
	12	6.5	15.0									
	20	S/20										
Field shear vane test at 15.0 Feet												
	2											
	2	0.9	27.0									
	3	B/20										
Gray Clay LOAM	1											
	2	0.5	19.3									
	4	S/20										

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

STRUCT. NO.	D60-W001	D	B	U	M	Surface Water Elev.	NA	ft	D	B	U	M
Station		E	L	C	O	Stream Bed Elev.	NA	ft	P	L	C	O
BORING NO.	SB-27	T	W	S	Q	Groundwater Elev.:			H	S	Q	T
Station	1355+30	H	S	Qu	T	First Encounter	546.3	ft	↓	↓	↓	↓
Offset	105.00ft Right					Upon Completion	517.3	ft	↓	↓	↓	↓
Ground Surface Elev.	562.27	ft	(ft)	(%)	(%)	After 26 Days	562.3	ft	↓	↓	↓	↓

Brown CLAY (continued)												
-Gray-Brown below 42.0 Feet												
	3											
	6	2.9	16.2									
	11	S/20										
	5											
	10	4.0	15.7									
End of Boring	13	S/15										

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. 8-89)

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

SHT. 5-68 OF 5-68

STV Incorporated
Engineers/Architects/Planners/Construction Managers
200 W. Monroe Street, Suite 1650
Chicago, IL 60606-5015
312/553-0655, FAX 312/553-0661

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
CHECKED: JAN

DRAWN: BTO
CHECKED: JAN

DATE: 03/06