SHEET NO. 4
4 SHEETS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01-00014-01-BT	MADISON	160	75
STA. 10+09.90			

97223

ILLINOIS DEPARTMENT OF TRANSPORTATION

District Eight Materials

Sheet 1 of 2

Date 6/17/2002

PROJECT: Schoolhouse Connector Trail Bridges
ROUTE:
SECTION:
COUNTY: Madison
STRUCTURE NO.:
DESCRIPTION: Pedestrian Bridge Structure Boring
LOCATION: Illinois Route 162
DRILL METHOD: CME 550 Drill Rig/Continuous Flight Auger
HAMMER TYPE: Automatic Hammer
Drilled By: Midwest Drilling, Inc
Checked By: SCI

Boring No.: B-101
Station: 9+50
Offset: 0
Ground Surface El. 578.5

Surface Water Elevation:
Groundwater Elevation
First Encountered: 11'
Upon Completion:
After 24 Hours: /Collapse @
Mud Rotary Start @ Elevation:

Description	Elev.	Depth (ft)	Blows per 0.5 feet*	Qu t/sf	W %
FILL: Gravel	577.5				
FILL: Cinders	575.5	10	11 14	0.7 S	24
FILL: Brown and gray low plastic silty clay		30	3 3 5	0.9 B	25
LL = 41, PL = 22			1 2 2	0.9 S	31
			2 2 2 10	0 P	31
CLAYEY SILT (ML): Brown and gray, low plastic, A-4	567.5		1 1 1	0 P	34
			1 2 3 16	0 P	29
SILTY CLAY (CL): Brown and gray, low plastic, A-6	560.5		1 2 2	0.3 B	26
		20	2 2 3	1.1 B	25
			2 3 4	1.2 B	25
SILTY CLAY (CL): Brown and gray, low plastic (continued)	554.0	25	2 3 3	0.9 B	27
CLAY (CL): Gray, low plastic, some sand, A-4	550.5		2 2 3	1.1 B	25
SANDY CLAY (CL): Brown and gray, low plastic, trace gravel, A-4		30	2 4 6	2.0 B	21
		35	4 13 16	7.0 S	12
		40	8 12 20	4.6 B	15
SHALEY CLAY (CH): Brown and gray, high plastic, A-7	535.5	45	5 14 20	4.5 P	17

Standard Penetration Test (N-value) - Blows per foot to drive 2-inch O.D. split spoon sampler 12-inches with a 140# Hammer falling 30-inches. Failure Type: B-Bulge; S-Shear; P-Penetrometer Test; E-Estimated
Qu - Unconfined Compressive Strength (t/sf)
W - water content (percentage of oven dry weight - %)
*AASHTO Designations are estimated unless otherwise noted and determined by laboratory analysis

ILLINOIS DEPARTMENT OF TRANSPORTATION

District Eight Materials

Sheet 2 of 2

Date 6/17/2002

PROJECT: Schoolhouse Connector Trail Bridges
ROUTE:
SECTION:
COUNTY: Madison
STRUCTURE NO.:
DESCRIPTION: Pedestrian Bridge Structure Boring
LOCATION: Illinois Route 162
DRILL METHOD: CME 550 Drill Rig/Continuous Flight Auger
HAMMER TYPE: Automatic Hammer
Drilled By: Midwest Drilling, Inc
Checked By: SCI

Boring No.: B-101
Station: 9+50
Offset: 0
Ground Surface El. 578.5

Surface Water Elevation:
Groundwater Elevation
First Encountered: 11'
Upon Completion:
After 24 Hours: /Collapse @
Mud Rotary Start @ Elevation:

Description	Elev.	Depth (ft)	Blows per 0.5 feet*	Qu t/sf	W %
SHALEY CLAY (CH): Brown and gray, high plastic (continued)		50	5 13 19	2.4 S	20
SHALE: Gray	526.5	55	7 14 35	4.5 P	15
		60	50/4"	4.5 P	10
Boring terminated at El. 518.5.	518.5				

Standard Penetration Test (N-value) - Blows per foot to drive 2-inch O.D. split spoon sampler 12-inches with a 140# Hammer falling 30-inches. Failure Type: B-Bulge; S-Shear; P-Penetrometer Test; E-Estimated
Qu - Unconfined Compressive Strength (t/sf)
W - water content (percentage of oven dry weight - %)
*AASHTO Designations are estimated unless otherwise noted and determined by laboratory analysis

ILLINOIS DEPARTMENT OF TRANSPORTATION

District Eight Materials

Sheet 1 of 2

Date 6/24/2002

PROJECT: Schoolhouse Connector Trail Bridges
ROUTE:
SECTION:
COUNTY: Madison
STRUCTURE NO.:
DESCRIPTION: Pedestrian Bridge Structure Boring
LOCATION: Illinois Route 162
DRILL METHOD: CME 550 Drill Rig/Continuous Flight Auger
HAMMER TYPE: Automatic Hammer
Drilled By: Midwest Drilling, Inc
Checked By: SCI

Boring No.: B-102
Station: 10+50
Offset: 0
Ground Surface El. 578.5

Surface Water Elevation:
Groundwater Elevation
First Encountered: 13'
Upon Completion:
After 24 Hours: /Collapse @
Mud Rotary Start @ Elevation:

Description	Elev.	Depth (ft)	Blows per 0.5 feet*	Qu t/sf	W %
FILL: Gravel	577.5				
FILL: Cinders and gravel	575.0		3 7 8	4.5 P	13
FILL: Gray and brown high plastic silty clay		5	1 2 2 5	0.8 B	31
LL = 52, PL = 23			2 2 2	1.0 B	29
			2 3 3 10	0.9 B	31
CLAYEY SILT (ML): Gray and brown, low plastic, A-4	568.0		1 1 1	0.4 B	31
			2 2 3 15	0.5 B	26
SILTY CLAY (CL): Brown and gray, low plastic, A-6	562.5		2 2 2	0.5 B	31
		20	1 2 3	0.6 B	27
			2 2 3	1.0 B	28
SILTY CLAY (CL): (cont'd)	555.5				
SILTY CLAY (CL): Gray, low plastic, A-6		25	2 2 2	0.6 B	27
SILTY CLAY (CL): Gray, low plastic, some sand, A-6	550.0	30	3 3 4	1.8 B	20
			3 3 4	1.0 B	22
SANDY CLAY (CL): Brown, low plastic, trace gravel, A-4	547.0	35	7 10 16	4.9 B	13
		40	8 13 14	6.0 B	16
		45	11 17 23	6.0 B	15

Standard Penetration Test (N-value) - Blows per foot to drive 2-inch O.D. split spoon sampler 12-inches with a 140# Hammer falling 30-inches. Failure Type: B-Bulge; S-Shear; P-Penetrometer Test; E-Estimated
Qu - Unconfined Compressive Strength (t/sf)
W - water content (percentage of oven dry weight - %)
*AASHTO Designations are estimated unless otherwise noted and determined by laboratory analysis

ILLINOIS DEPARTMENT OF TRANSPORTATION

District Eight Materials

Sheet 2 of 2

Date 6/24/2002

PROJECT: Schoolhouse Connector Trail Bridges
ROUTE:
SECTION:
COUNTY: Madison
STRUCTURE NO.:
DESCRIPTION: Pedestrian Bridge Structure Boring
LOCATION: Illinois Route 162
DRILL METHOD: CME 550 Drill Rig/Continuous Flight Auger
HAMMER TYPE: Automatic Hammer
Drilled By: Midwest Drilling, Inc
Checked By: SCI

Boring No.: B-102
Station: 10+50
Offset: 0
Ground Surface El. 578.5

Surface Water Elevation:
Groundwater Elevation
First Encountered: 13'
Upon Completion:
After 24 Hours: /Collapse @
Mud Rotary Start @ Elevation:

Description	Elev.	Depth (ft)	Blows per 0.5 feet*	Qu t/sf	W %
SANDY CLAY (CL): Brown, low plastic, trace gravel (continued)	531.5				
SHALE: Gray	528.5	60	27 50/4"	4.5 P	12
Boring terminated at El. 528.5.					

Standard Penetration Test (N-value) - Blows per foot to drive 2-inch O.D. split spoon sampler 12-inches with a 140# Hammer falling 30-inches. Failure Type: B-Bulge; S-Shear; P-Penetrometer Test; E-Estimated
Qu - Unconfined Compressive Strength (t/sf)
W - water content (percentage of oven dry weight - %)
*AASHTO Designations are estimated unless otherwise noted and determined by laboratory analysis

BORING LOGS
SCHOOLHOUSE TRAIL CONNECTOR
OVER ILLINOIS ROUTE 162
SECTION 01-00014-01-BT
MADISON COUNTY TRANSIT
STA. 10+09.90
S.N. 060-7000

H:\P21040\dwg\structl\ IL Rte 162\Boring_sht.dwg, 12/05/2003 08:33:49 AM