STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I. F. A.	01-00014-01-BT	MADISON	160	85

SHEET NO. 2

2 SHEETS

97223

ILLINOIS DEPARTMENT OF TRANSPORTATION

Sheet 1 of 2

District Eight Materials

PROJECT: Schoolhouse Connector Trail Bridges
ROUTE:
SECTION:
COUNTY: Madison
STRUCTURE NO.:

DESCRIPTION: Culvert Boring
LOCATION: Center Grove Road
DRILL METHOD: CME 550 Drill Rig/Continuous Flight Auger
HAMMER TYPE: Automatic Hammer

Date 6/27/2002
Drilled By: Midwest Drilling, Inc
Checked By: SCI

Boring No.: B-109
Station: 188+91
Offset:
Ground Surface El. 579

Surface Water Elevation:
Groundwater Elevation
First Encountered: 9'
Upon Completion:
After 24 Hours: /Collapse @
Mud Rotary Start @ Elevation:

Description	Depth (ft)	Blows per 0.5 feet*	Qu t/sf	W %
FILL: Cinders		14 16 10	4.5 P	11
	576			
SILTY CLAY (CL): Brown, low plastic A-6	5	2 2 3	1.0 B	27
	574			
CLAYEY SILT (ML): Gray and brown, low plastic A-4	10	1 2 2	0.7 B	29
	568			
CLAYEY SILT (ML): Brown, low plastic A-4	15	1 1 2	0.8 B	30
	558.5			
	20	2 2 2	2.0 B	26
	541.5			
	25	1 2 2	0.8 B	29
	551			
SILTY CLAY (CL): Brown and gray, low plastic, trace sand (continued)	30	1 2 2	0.8 B	23
	35	2 2 3	1.0 B	27
	40	3 4 4	0.8 B	25
SANDY CLAY (CL): Brown, low plastic A-4	45	5 7 10	2.4 B	14
	48	6 9 12	2.2 B	14
CLAYEY SILT (ML): Gray, low plastic A-4	50	2 2 2	0.8 B	30
	55	2 2 2	0.8 B	29
	60	5 6 7	0.4 B	22
	65	3 3 5	1.0 B	24

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

Sheet 2 of 2

District Eight Materials

PROJECT: Schoolhouse Connector Trail Bridges
ROUTE:
SECTION:
COUNTY: Madison
STRUCTURE NO.:

DESCRIPTION: Culvert Boring
LOCATION: Center Grove Road
DRILL METHOD: CME 550 Drill Rig/Continuous Flight Auger
HAMMER TYPE: Automatic Hammer

Date 6/27/2002
Drilled By: Midwest Drilling, Inc
Checked By: SCI

Boring No.: B-109
Station: 188+91
Offset:
Ground Surface El. 579

Surface Water Elevation:
Groundwater Elevation
First Encountered: 9'
Upon Completion:
After 24 Hours: /Collapse @
Mud Rotary Start @ Elevation:

Description	Depth (ft) El.	Blows per 0.5 feet*	Qu t/sf	W %
CLAYEY SILT (ML): Gray, low plastic (continued)	532			
SANDY CLAY (CL): Gray, low plastic A-4	50	10 13 14	1.4 B	12
Boring terminated at El. 529.0.				

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
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ILLINOIS DEPARTMENT OF TRANSPORTATION

Sheet 1 of 2

District Eight Materials

PROJECT: Schoolhouse Connector Trail Bridges
ROUTE:
SECTION:
COUNTY: Madison
STRUCTURE NO.:

DESCRIPTION: Culvert Boring
LOCATION: Center Grove Road
DRILL METHOD: CME 550 Drill Rig/Continuous Flight Auger
HAMMER TYPE: Automatic Hammer

Date 6/26/2002
Drilled By: Midwest Drilling, Inc
Checked By: SCI

Boring No.: B-110
Station: 190+00
Offset:
Ground Surface El. 580

Surface Water Elevation:
Groundwater Elevation
First Encountered: 8'
Upon Completion:
After 24 Hours: /Collapse @
Mud Rotary Start @ Elevation:

Description	Depth (ft)	Blows per 0.5 feet*	Qu t/sf	W %
FILL: Cinders		15 10 10	4.5 P	27
	577			
SILTY CLAY (CL): Brown and gray, low plastic A-6	5	2 2 3	1.1 B	28
	574.5			
CLAYEY SILT (ML): Gray and brown, low plastic A-4	10	1 2 2	0.8 B	29
	567			
CLAYEY SILT (ML): Brown, low plastic A-4	15	1 2 2	0.8 B	28
	15	2 2 2	1.0 B	28
	20	2 2 3	2.0 B	24
	25	2 2 3	1.5 B	27
	30	2 2 4	1.6 B	26
	35	2 2 3	1.3 B	26
CLAYEY SILT (ML): Brown, low plastic (cont'd)				
SILTY CLAY (CL): Brown, low plastic, trace sand A-6	25	2 2 3	0.6 B	25
	592			
SANDY CLAY (CL): Brown, low plastic A-4	30	2 2 3	0 P	24
	35	5 6 7	3.6 B	14
	544.5			
SANDY CLAY (CL): Gray, low plastic A-4	40	8 8 8	1.2 B	13
	45	6 7 9	2.3 B	13

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 - %)
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Sheet 2 of 2

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HAMMER TYPE: Automatic Hammer

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Drilled By: Midwest Drilling, Inc
Checked By: SCI

Boring No.: B-110
Station: 190+00
Offset:
Ground Surface El. 580

Surface Water Elevation:
Groundwater Elevation
First Encountered: 8'
Upon Completion:
After 24 Hours: /Collapse @
Mud Rotary Start @ Elevation:

Description	Depth (ft) El.	Blows per 0.5 feet*	Qu t/sf	W %
SANDY CLAY (CL): Gray, low plastic (continued)	530	7 11 12		
Boring terminated El. 530.0.				

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
CENTER GROVE ROAD OVER
SCHOOLHOUSE CONNECTOR
SEC. 01-00014-01-BT
MADISON COUNTY TRANSIT
STA. 189+40.60

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