ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	49
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356

BRIDGE FOUNDATION SOIL BORING LOG
midwest engineering services, inc.

Route: Winter Avenue
Section:
County: Vermilion
Structure No. 092-6009
Station: 5+90
Offset: 8' Left

Boring: BB-3
Page: 1 of 2
Date of Boring: 9-12-02
Drilled By: Roger Burton
Checked By: Daniel E. Tappendorf, P.E.
MES Project No: 1-23038

Ground Water Elevation:
when drilling: 605.5 FT.
at completion: 606.0 FT.
Ground Surface Elevation: 615.5 FT.

Description	Depth (ft.)	Blows (6")	Q_u (tsf)	MC (%)
Dark brown silty CLAY with sand and small gravel, brick fragments (OL), Fill				14
Brown clayey SILT with sand and small gravel (ML), Fill		4 4 4	4.3P	12
EL. 611.0 FT.	5			
Brown fine to medium SAND (SP)		2 3 3		8
EL. 608.5 FT.				
Dark brown fine clayey SAND (SP-SC)		2 2 2		18
EL 606.0 FT.	10			
Brown fine to coarse clayey SAND (SW-SC)		1 1 2		49
EL 603.5 FT.				
Gray silty CLAY with sand and small gravel (CL-ML), Till		1 2 1	4.5+P	9
	15	6 9 12	4.2S	9
EL 598.5 FT.				
Gray fine SAND (SP)		4 7 10		20
EL. 596.0 FT.	20			
Gray silty CLAY with sand and small gravel (CL), Till		16 15 10	3.8B	8
		4 5 6	5.2B	9
	25			
		4 6 9	6.1B	9

Gray silty CLAY with sand and small gravel (CL), Till

Depth (ft.)	Blows (6")	Q_u (tsf)	MC (%)
30	5 10 8	2.8B	9
35	10 13 13	2.2B	10
40	2 6 9	1.5P	11
45	3 6 5	1.5P	10
50	4 5 5	1.5P	11

Note: Boring BB-3 was drilled to 51.5 ft depth on 9-12-02 and was extended down to 76.5 ft. depth on 1-3-03

continued next page

N - Standard Penetration Test (SPT) = Sum of last two blow values in sample
MC- Moisture Content - Percent of dry weight
Qu- Unconfined Compressive Strength- tons per square foot (tsf)

Type Failure
Qu test
B-Bulge
S-Shear
P-Penetrometer

BRIDGE FOUNDATION SOIL BORING LOG
midwest engineering services, inc.

Route: Winter Avenue
Section:
County: Vermilion
Structure No. 092-6009
Station: 5+90
Offset: 8' Left

Boring: BB-3
Page: 2 of 2
Date of Boring: 1-03-03
Drilled By: Roger Burton
Checked By: Daniel E. Tappendorf, P.E.
MES Project No: 1-23038

Ground Water Elevation:
when drilling: 605.5 FT.
at completion: 606.0 FT.
Ground Surface Elevation: 615.5 FT.

Description	Depth (ft.)	Blows (6")	Q_u (tsf)	MC (%)
Gray silty CLAY with sand and small gravel (CL), Till		4 7 9	2.6 B	9
EL. 562.5 FT.				
	55	12 18 16	-	12
	60	4 7 9	-	19
Gray fine to medium SAND (SP) Wet	65	3 5 7	-	19
	70	9 13 21	-	19
END OF BORING AT 76.5 FEET	75			
EL. 539.0 FT.		3 7 16	-	20

Depth (ft.)	Blows (6")	Q_u (tsf)	MC (%)
80			
85			
90			
95			

N - Standard Penetration Test (SPT) = Sum of last two blow values in sample
MC- Moisture Content - Percent of dry weight
Qu- Unconfined Compressive Strength- tons per square foot (tsf)

Type Failure
Qu test
B-Bulge
S-Shear
P-Penetrometer

BRIDGE FOUNDATION SOIL BORING LOG
midwest engineering services, inc.

Route: Winter Avenue
Section:
County: Vermilion
Structure No. 092-6009
Station: 6+95
Offset: 8' Left

Boring: BB-4
Page: 1 of 1
Date of Boring: 9-13-02
Drilled By: Roger Burton
Checked By: Daniel E. Tappendorf, P.E.
MES Project No: 1-23038

Ground Water Elevation:
when drilling: 607.0 FT.
at completion: 605.0 FT.
Ground Surface Elevation: 617.0 FT.

Description	Depth (ft.)	Blows (6")	Q_u (tsf)	MC (%)
Dark brown clayey SILT with sand and small gravel (OL), Fill				12
Brown silty CLAY (CL), Fill		2 3 2	2.5P	18
EL. 612.5 FT.	5			
Brown silty CLAY with sand and small gravel (CL), Fill		3 2 2	3.0P	17
		2 2 2	1.8B	19
EL 607.5 FT.	10			
Dark brown sandy CLAY (CL), Fill		2 1 2	0.8P	21
EL 605.0 FT.				
Dark gray fine clayey SAND (SP-SC), Fill		4 4 3		19
EL 602.5 FT.	15			
Gray silty clayey and fine to coarse sand, Mixed Fill		1 4 12	0.8P	20
EL. 600.0 FT.				
Gray silty CLAY with sand and small gravel (CL), Till		14 15 15	7.8B	10
	20	5 12 8	4.5P	9
		10 9 8	5.2B	9
	25			
		4 7 8	4.4S	9

Gray silty CLAY with sand and small gravel (CL), Till

Depth (ft.)	Blows (6")	Q_u (tsf)	MC (%)
30	16 16 8	4.5+P	8
35	7 10 10	4.8S	9
40	9 12 12	6.2B	8
45	10 16 12	6.8S	8
50	8 12 14	7.6S	7

EL. 565.5 FT.

END OF BORING AT 51.5 FEET

N - Standard Penetration Test (SPT) = Sum of last two blow values in sample
MC- Moisture Content - Percent of dry weight
Qu- Unconfined Compressive Strength- tons per square foot (tsf)

Type Failure
Qu test
B-Bulge
S-Shear
P-Penetrometer

Soil Boring BB-3 Sta 5+90, 8' Lt. equals Sta 105+74.81, 5.57' Lt. (For Boring Location Only)
Soil Boring BB-4 Sta 6+95, 8' Lt. equals Sta 107+01.20, 7.10' Rt. (For Boring Location Only)

BRIDGE BORING LOGS

Date
Revisions

Designed ACW
Drawn BKN
Checked KWB
Approved KWB

WINTER AVENUE OVER STONEY CREEK
SECTION 99-00209-02-PV
CITY OF DANVILLE, IL
VERMILION COUNTY
STA. 106+34.70
PROP. STR. NO. 092-6033

Sheet No. 18 of 21

Prepared by: URS 3040 North University Avenue Decatur, Il. 62526

URS Job No. 36430866