

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
809	133,134RS-5, 135RS-6	ST. CLAIR	762	358
STA.		TO STA.		
CONTRACT NO. 7647				

**Illinois Department of Transportation**  
Division of Highways  
Soil Boring Log

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Date 7/16/08

ROUTE FAP 809 DESCRIPTION IL 158 Box Culvert, At White Street in Millstadt LOGGED BY SLW  
SECTION 133,134RS-4, 135RS-5 LOCATION SEC. 9, TWP. 1S, RNG. 9W, 3 PM  
COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. 092-2412  
Station 382+44.64  
BORING NO. C-3  
Station 382+45  
Offset 30.00ft LT  
Ground Surface Elev. 611.2 ft

DEPTH (ft)	SOIL DESCRIPTION	U (Bulge)	L (Shear)	M (Penetrometer)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
0	Dark Brown Silt LOAM	1.50	28					
1.50	Mottled Silty Clay LOAM	1.25	27					
2.75	Gray Silty CLAY	1.25	30					
4.00	With Reddish Brown	1.50	27					
5.50	With Reddish Brown	1.50	27					
7.00	END OF HAND AUGER							
7.00	Pocket Penetrometer used for Qu							

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 T208)  
BBS, from 137 (Rev. 8-99)

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ROUTE FAP 809 DESCRIPTION IL 158 Box Culvert, East of Gemstone LOGGED BY SLW  
SECTION 133,134RS-4, 135RS-5 LOCATION SEC. 10, TWP. 1S, RNG. 9W, 3 PM  
COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. N/A  
Station 456+93.93  
BORING NO. C-5  
Station 457+12  
Offset 42.00ft RT  
Ground Surface Elev. 555.5 ft

DEPTH (ft)	SOIL DESCRIPTION	U (Bulge)	L (Shear)	M (Penetrometer)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
0	Brown Silt LOAM	1.50	25					
1.50	Some Mottling	1.75	27					
3.25	Gray	1.50	26					
4.75	Brown/Gray Mottled Silty Clay LOAM	0.50	31					
5.25	Mottled Silty CLAY	2.25	26					
7.50	Too Much Suction - END OF BORING							
7.50	Pocket Penetrometer used for Qu							

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ROUTE FAP 809 DESCRIPTION IL 158 Box Culvert, East of Spring Lake Road LOGGED BY SLW  
SECTION 133,134RS-4, 135RS-5 LOCATION SEC. 11, TWP. 1S, RNG. 9W, 3 PM  
COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. 092-2414  
Station 477+58  
BORING NO. C-9  
Station 477+60  
Offset 60.00ft RT  
Ground Surface Elev. 530.7 ft

DEPTH (ft)	SOIL DESCRIPTION	U (Bulge)	L (Shear)	M (Penetrometer)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
0	Brown SILT	1.50	17					
1.50	Brown Silt LOAM	1.00	26					
2.50	Refusal on Rock - END OF HAND AUGER							
2.50	(Moved hole and hit rock at same elevation twice)							
2.50	Pocket Penetrometer used for Qu							

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ROUTE FAP 809 DESCRIPTION IL 158 Box Culvert, East of Gemstone LOGGED BY SLW  
SECTION 133,134RS-4, 135RS-5 LOCATION SEC. 10, TWP. 1S, RNG. 9W, 3 PM  
COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. N/A  
Station 456+93.93  
BORING NO. C-4  
Station 456+98  
Offset 50.00ft LT  
Ground Surface Elev. 554.0 ft

DEPTH (ft)	SOIL DESCRIPTION	U (Bulge)	L (Shear)	M (Penetrometer)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
0	Brown Silt LOAM	1.75	19					
1.75	Brown Silty Clay LOAM	2.00	21					
3.75	Brown Silty CLAY	0.50	31					
4.25	Gray	0.50	25					
4.75	Mottled	1.00	34					
5.75	Dark Gray Silty Clay LOAM	4.00	26					
9.75	Mottled	3.00	22					
12.75	END OF HAND AUGER							
12.75	Pocket Penetrometer used for Qu							

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ROUTE FAP 809 DESCRIPTION IL 158 Box Culvert, At Spring Lake Road LOGGED BY SLW  
SECTION 133,134RS-4, 135RS-5 LOCATION SEC. 11, TWP. 1S, RNG. 9W, 3 PM  
COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. 092-2413  
Station 498+98.92  
BORING NO. C-6  
Station 498+88  
Offset 34.00ft LT  
Ground Surface Elev. 541.0 ft

DEPTH (ft)	SOIL DESCRIPTION	U (Bulge)	L (Shear)	M (Penetrometer)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
0	Brown SILT	1.50	16					
1.50	Brown Silty LOAM	2.75	20					
4.25	Brown Silty Clay LOAM	1.28	17					
5.53	Mottled with Gray	2.25	19					
7.78	Sandier, Some Rock	2.55	22					
10.33	Some Organics	2.78	21					
13.11	END OF HAND AUGER							
13.11	Pocket Penetrometer used for Qu							

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
SOIL BORING LOGS  
FAP ROUTE 809  
SECTION 133,134RS-5, 135RS-6  
ST CLAIR COUNTY

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