

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	(133,134)RS-5, 135RS-6	ST. CLAIR	762	357
CONTRACT NO. 7847				

Illinois Department of Transportation
SOIL BORING LOG
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 Date 7/27/08

ROUTE FAP 809 DESCRIPTION IL 158 Box Culvert, West of Old Oak Lane LOGGED BY SLW
 SECTION (133,134)RS-4, 135RS-5 LOCATION SEC. 31, TWP. 1N, RNG. 9W, 3 PM
 COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. N/A Station 597+09.56
 BORING NO. C-13 Station 597+28 Offset 44.00ft RT
 Ground Surface Elev. 522.2 ft

SOIL DESCRIPTION	DEPTH (ft)	(ft)	(ft)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.
Dark Brown Silty LOAM	1.00	27						
	0.75	28						
Dark Brown Silty Clay LOAM Gray	1.00	33						
	0.50	33						
	0.50	34						
Brown/Gray Mottled Silty Clay LOAM	2.00	27						
	3.50	25						
	2.50	24						
	3.75	23						
	2.75	22						
	512.2	-10						
Too Much Suction - END OF HAND AUGER								
Pocket Penetrometer used for Qu								
	-15							
	-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 T208)
 BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
SOIL BORING LOG
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ROUTE FAP 809 DESCRIPTION IL 158 Box Culvert, South of Concordia Church Road LOGGED BY SLW
 SECTION (133,134)RS-4, 135RS-5 LOCATION SEC. 32, TWP. 1N, RNG. 8W, 3 PM
 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-2405 Station 656+90
 BORING NO. C-15 Station 656+31 Offset 15.00ft RT
 Ground Surface Elev. 531.7 ft

SOIL DESCRIPTION	DEPTH (ft)	(ft)	(ft)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.
Dark Brown Silty LOAM								
	511.2	2	0.66	25				
	510.2	2	3.10	28				
	510.2		0.50	P				
	9	3						
	6	1.39	21					
	7	5.15						
	527.7							
Dark Gray Mottled Silty Clay LOAM								
	3	0.98	25					
	3	5.20						
	505.7		8	1.18	17			
END OF BORING								
	2							
	3	0.98	27					
	4	5.20						
	520.2							
	3							
	2	1.04	27					
	3	B						
	520.2							
Gray with Rusy Silty Clay LOAM								
	3							
	4	1.14	24					
	5	B						
	-15							
	2							
	4	1.24	25					
	6	B						
	515.2							
Mottled Silty Clay LOAM								
	3							
	2	0.91	27					
	3	5.20						
	-20							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Illinois Department of Transportation
SOIL BORING LOG
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 Date 7/17/08

ROUTE FAP 809 DESCRIPTION IL 158 Box Culvert, East of Frank Scott Parkway LOGGED BY SLW
 SECTION (133,134)RS-4, 135RS-5 LOCATION SEC. 31, TWP. 1N, RNG. 8W, 3 PM
 COUNTY St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. 082-2415 Station 592+18.88
 BORING NO. C-11 Station 592+64 Offset 40.00ft RT
 Ground Surface Elev. 519.7 ft

SOIL DESCRIPTION	DEPTH (ft)	(ft)	(ft)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.
Brown SILT	1.50	20						
	1.50	21						
	1.25	24						
	516.7							
Brown/Gray Silty CLAY								
	0.50	31						
	0.50	31						
	0.25	32						
	0.25	33						
	0.50	31						
	511.7							
Mottled Brown/Gray Silty Clay LOAM								
	1.75	25						
	2.75	25						
	-10							
	3.75	20						
	2.75	22						
	507.7							
END OF HAND AUGER								
Pocket Penetrometer used for Qu								
	-15							
	-20							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SOIL BORING LOG
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ROUTE FAP 809 DESCRIPTION IL 158 Box Culvert, South of Concordia Church Road LOGGED BY SLW
 SECTION (133,134)RS-4, 135RS-5 LOCATION SEC. 31, TWP. 1N, RNG. 8W, 3 PM
 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-2405 Station 656+90
 BORING NO. C-14 Station 656+07 Offset 13.00ft LT
 Ground Surface Elev. 532.0 ft

SOIL DESCRIPTION	DEPTH (ft)	(ft)	(ft)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.
Mottled Silty LOAM								
	3	1.10	20					
	4	5.10						
	2							
	3	1.88	25					
	3	P						
	528.0							
Dark Brown Grading to Mottled Silty Clay LOAM								
	2							
	2	0.65	29					
	2	B						
	-5							
	2							
	2	1.24	26					
	3	B						
	-10							
	2							
	4	0.98	25					
	4	B						
	-10							
	3							
	3	0.98	25					
	3	B						
	-15							
	3							
	3	1.04	27					
	4	B						
	515.5							
Blue Gray/Brown Silty Clay LOAM with Occasional Gravel								
	3							
	4	1.37	24					
	5	5.20						
	-20							

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

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