F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 805	147BR	ST. CLAIR	52	43
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT=	

SHEET NO. 23

24 SHEETS

Contract No. 76393

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation — SOIL BORING LOG — Page 1 of 2

Date 9/22/98

ROUTE FAP 805 DESCRIPTION IL 161 over Nesen Hollow Creek LOGGED BY Larry Ford

SECTION 147BR LOCATION NE 1/4, N= 1/4 SEC. 36, TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

STRUCT. NO. 082-0100 Station 101+03.82

BORING NO. 7 SE CR Station 101+94 Offset 36.50ft LT CL Ground Surface Elev. 465.8 ft

Surface Water Elev. ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 443.1 ft Upon Completion ft After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
					0 0 2	0.2 S*10	29
Brown Silty Clay LOAM (Fill)							
462.3	3 2 4	S*15	22	443.1 ▼	0 1 2		
				Gray Sandy LOAM			
Brown FILL SAND		NC		442.1		NC	22
	4 3 3	NC		Gray Silty Clay LOAM	0 0 0	0.9 S*10	28
458.8	1 6 9	2.8 S*10	18	Brown Silt LOAM (Fill)	0 1 1	0.8 B	29
	9 11 13	1.3 S*6	18		0 0 0	0.5 S*6	28
	4 6 6	0.9 S*10	20	433.1			
452.6				Gray SAND			
Gray SILT LOAM				See Gradation @ 35 feet With Layers of Silty Sand		NC	
	3 2 4	n/a S*6	23	With Wood	1 1 1		NC
	3 3 2	0.8 S*10	27		1 1 2		NC
446.8							
Gray LOAM				425.4			

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 T206)

BSS, from 137 (Rev. 8-98)

Illinois Department of Transportation — SOIL BORING LOG — Page 2 of 2

Date 9/22/98

ROUTE FAP 805 DESCRIPTION IL 161 over Nesen Hollow Creek LOGGED BY Larry Ford

SECTION 147BR LOCATION N 1/2, NE 1/4, SEC. 36, TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

STRUCT. NO. 082-0100 Station 101+03.82

BORING NO. 7 SE CR Station 101+94 Offset 36.50ft LT CL Ground Surface Elev. 465.8 ft

Surface Water Elev. ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 442.1 ft Upon Completion ft After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
	13				4 3 5	1.7 S*15	34
Gray Silty Clay LOAM	5 6 8	0.7 B	26	Grayish Red Silty CLAY (continued)			
424.1	1 1 NR				3 5 6	1.1 S*15	25
Grayish Red Silty CLAY							
	3 5 9	S*10	24				
Gray Silt LOAM	3 4 8	0.9 S*10	27				
416.1	1 2 3	0.3 S*13	34				
	2 4 6	0.2 S*10	34	399.3 Gray SAND See Gradation @ 70 feet			
					7 7 7	LNS 1.7 S*10	23
				Reddish Gray Silty CLAY			
				393.1	2 5 8	NR	
Gray Silty Clay LOAM	2 3 5	0.6 H	33	Gray SAND See Gradation @ 75 feet			
433.1					4 7 9	NC	
	3 5 5	0.5 S*10	23	385.8 End of Boring			
426.1							
Gray Silty CLAY	4 6 9	1.5 S*15	39				
420.8							
Grayish Red Silty CLAY							

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 T206)

BSS, from 137 (Rev. 8-98)

Illinois Department of Transportation — SOIL BORING LOG — Page 1 of 2

Date 9/23/98

ROUTE FAP 805 DESCRIPTION IL 161 over Nesen Hollow Creek LOGGED BY Larry Ford

SECTION 147BR LOCATION NE 1/4, NE 1/4, SEC. 36, TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

STRUCT. NO. 082-0100 Station 101+03.82

BORING NO. 8 NE CR Station 100+63 Offset 38.50ft LT CL Ground Surface Elev. 462.6 ft

Surface Water Elev. ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 434.6 ft Upon Completion ft After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Asphalt Shoulder				Iron Gradation @ 23 feet	1 1 1	NC	26
461.8				442.1	2 2 3	0.3 B	
Brown Fill SAND				Gray Silty Clay LOAM	0 0 7	0.7 B	29
	1 5 7	NC		438.6			
	4 6 9	NC		Gray SILT	3 4 5	0.8 S*10	29
	1 4 4	NC			3 4 4	0.8 S*15	28
434.6 ▼							
Gray SILT (Fill)	4 4 7	NC S*15	18				
	0 0 0	2.0 S*10	19		4 6 8	1.2 S*15	29
	3 4 6	1.1 S*10	25	421.1 Gray SILT, Mostly Organics Crucible Weight = 28.83A Cru & Sample Before = 60.450 Cry & Sample After = 57.424 Organics = 8.68 %	1 2 3	0.8 S*3	24
	2 2 3	1.0 S*15	20	426.1 Gray SILT LOAM	1 2 5	0.8 S*2	35
	1 2 2	0.8 B	28		2 3 4	0.6 S*10	32
Gray Loamy SAND				413.1 Silty LOAM			

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 T206)

BDS, from 137 (Rev. 6-98)

Illinois Department of Transportation — SOIL BORING LOG — Page 2 of 2

Date 9/23/98

ROUTE FAP 805 DESCRIPTION IL 161 over Nesen Hollow Creek LOGGED BY Larry Ford

SECTION 147BR LOCATION NE 1/4, NE 1/4, SEC. 36, TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

STRUCT. NO. 082-0100 Station 101+03.82

BORING NO. 8 NE CR Station 100+63 Offset 38.50ft LT CL Ground Surface Elev. 462.6 ft

Surface Water Elev. ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 434.6 ft Upon Completion ft After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Silty LOAM (continued) See Gradation @ 41 feet	2 3 7	NC		Grayish Red Silty CLAY (continued)	3 6 7	1.1 S*15	25
420.1				431.1			
	2 3 4	NC		Red and Gray Layered Silty CLAY	3 4 5	1.0 B	23
Gray Silty Clay LOAM	2 3 4	0.2 S*10	32	426.6			
	2 2 2	0.5 B	31	Grayish Red Silty Clay LOAM	3 4 5	0.8 B	22
416.1							
Gray Silty CLAY	2 3 4	1.2 S*10	37		3 3 4	0.6 S*10	23
				400.9			
	2 4 5	1.1 S*10	36	Reddish Gray Clay LOAM	2 4 3	0.7 S*5	22
	2 2 5	30 S*20		391.1 Gray SAND See Gradation @ 73.5 feet			
						NC	
	2 1 3	1.8	28	387.1 Gray Silty CLAY	4 6 7	NC	21
428.1				386.3 End of Boring		B	
Reddish Gray Silty CLAY	3 4 6	1.5 S*15	28				
423.6							
Grayish Red Silty CLAY							

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 T206)

BSS, from 137 (Rev. 8-98)

DESIGNED	ALN
CHECKED	BWP
DRAWN	DEH
CHECKED	ALN

FILE LOCATION: $FILE$ DATE: $DATE$ TIME: $TIME$ PLOTTED BY: $USER$

ILLINOIS ROUTE 161 OVER
TRIBUTARY TO SCHOENBERGER CREEK
F.A.P. ROUTE 805 - SECTION 147BR
ST. CLAIR COUNTY
STATION 101+03.82
STRUCTURE NO. 082-0102 (N.B.)
STRUCTURE NO. 082-0103 (S.B.)

BORING LOGS