ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 592	28BR-2 28BR-3	ST. CLAIR	51	29
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 6
7 SHEETS

Contract #76904

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date

ROUTE FAP 592 DESCRIPTION IL 13157 over Canal No. 1 LOGGED BY District 8

SECTION 28BR-2, 28BR-3 LOCATION , SEC. , TWP. 1N, RNG. 9W, 3 PM

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

STRUCT. NO. 082-0087
Station 429+06.10

BORING NO. 4 W. Abut
Station 430+28
Offset 25.00ft RT CL
Ground Surface Elev. 414.6 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 370.2 ft
Upon Completion ____ ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray SILT (Levee Fill)			
-5	6	1.04 S	25
	6	1.04 S	24
406.1			
Brown and Gray SILT			
-10	4	0.91 S	28
	4	0.55 S	28
-15	4	0.46 S	31
	4	0.69 S	30
396.1			
Gray SILT			
-20	10	1.39	29
Gray SILT (continued)			
393.6			
Gray CLAY (Organic)			
	2	0.61 S	44
-25	3	0.87 S	98
	2	0.52 B	72
-30	3	0.46 B	81
	2	0.49 B	75
-35	2	0.52 B	69
	2	0.46 B	53
-40	2	0.49	71

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

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date

ROUTE FAP 592 DESCRIPTION IL 13157 over Canal No. 1 LOGGED BY District 8

SECTION 28BR-2, 28BR-3 LOCATION , SEC. , TWP. 1N, RNG. 9W, 3 PM

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

STRUCT. NO. 082-0087
Station 429+06.10

BORING NO. 5
Station 429+60
Offset 16.50ft RT CL
Ground Surface Elev. 408.6 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 403.6 ft
Upon Completion ____ ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray SILT			
-5	4	0.77 S	30
	6	0.92 S	30
	4	0.49 S	32
399.1			
Gray Clayey SILT			
-10	3	0.39 S	32
396.6			
Gray CLAY			
-15	2	0.65 B	59
	2	0.59 B	97
-20	2	0.39 B	90
Gray CLAY (continued)			
-25	2	0.33 B	75
	3	0.39 B	87
	2	0.33 B	62
-30	2	0.39 B	64
	2	0.33 B	65
-35	2	0.46 B	49
	2	0.46 B	56
-40	3	0.39 B	46

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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Date

ROUTE FAP 592 DESCRIPTION IL 13157 over Canal No. 1 LOGGED BY District 8

SECTION 28BR-2, 28BR-3 LOCATION , SEC. , TWP. 1N, RNG. 9W, 3 PM

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

STRUCT. NO. 082-0087
Station 429+06.10

BORING NO. 6
Station 429+96
Offset 18.00ft RT CL
Ground Surface Elev. 409.5 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 403.1 ft
Upon Completion ____ ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray SILT			
-5	5	0.59 S	29
	3	0.59 S	24
	7	0.44 S	31
-10	5	0.33 S	31
397.5			
Gray CLAY			
-15	2	0.59 B	64
	3	0.65 B	100
-20	2	0.33 B	86
Gray CLAY (continued)			
-25	2	0.39 B	94
	2	0.39 B	97
	2	0.33 B	77
-30	2	0.33 B	67
	2	0.26 B	53
-35	2	0.33 B	61
	2	0.39 B	57
-40	2	0.33 B	53

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)
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ROUTE FAP 592 DESCRIPTION IL 13157 over Canal No. 1 LOGGED BY District 8

SECTION 28BR-2, 28BR-3 LOCATION , SEC. , TWP. 1N, RNG. 9W, 3 PM

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

STRUCT. NO. 082-0087
Station 429+06.10

BORING NO. 4 W. Abut
Station 430+28
Offset 25.00ft RT CL
Ground Surface Elev. 414.6 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 370.2 ft
Upon Completion ____ ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY (Organic) (continued)		B	NC
	3	0.52 B	46
-45	1	0.59 B	49
	2	0.52 B	43
366.1			
Brown Medium SAND			
365.1			
-50	5	0.52 B	42
Gray CLAY			
	4	0.62 B	45
361.1			
Gray Medium to Coarse SAND with Gravel			
-55	15	NC	NS
358.6			
Gray Medium to Fine SAND			
	31	NC	NS
-60	29		
Gray Medium to Fine SAND (continued)			
343.6			
Gray Laminated SHALE (Very Hard)			
-75	100+		NS
336.6			
End of Boring			
-80			

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

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Date

ROUTE FAP 592 DESCRIPTION IL 13157 over Canal No. 1 LOGGED BY District 8

SECTION 28BR-2, 28BR-3 LOCATION , SEC. , TWP. 1N, RNG. 9W, 3 PM

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

STRUCT. NO. 082-0087
Station 429+06.10

BORING NO. 5
Station 429+60
Offset 16.50ft RT CL
Ground Surface Elev. 408.6 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 403.6 ft
Upon Completion ____ ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY (continued)	2	0.46 B	67
	2	0.33 B	62
384.1			
Gray Medium to Coarse SAND with Gravel			
-45	39	NC	
	41	NC	
-50	27	NC	
	13	NC	
-55	17	NC	
	23	NC	
-60			
348.1			
Gray Laminated SHALE	10	NC	
	100+		
-65	100+		
342.6			
End of Boring			
-70			
-75			
-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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ROUTE FAP 592 DESCRIPTION IL 13157 over Canal No. 1 LOGGED BY District 8

SECTION 28BR-2, 28BR-3 LOCATION , SEC. , TWP. 1N, RNG. 9W, 3 PM

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

STRUCT. NO. 082-0087
Station 429+06.10

BORING NO. 6
Station 429+96
Offset 18.00ft RT CL
Ground Surface Elev. 409.5 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 403.1 ft
Upon Completion ____ ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY (continued)	2	0.26 B	64
367.5			
Gray Medium to Coarse SAND with Gravel			
-45	17	NC	
	32	NC	
362.5			
Gray Fine SAND			
-50	15	NC	
	20	NC	
	21	NC	
355.0			
-55			
Gray Medium to Fine SAND with Gravel	20	NC	
	24	NC	
-60			
Gray Medium to Fine SAND with Gravel (continued)			
347.5			
Gray Laminated SHALE (Very Hard)			
-65	100+		
	100+		
	100+		
-70			
End of Boring			
-75			
-80			

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)
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Notes:
1. Stationing is based on existing roadway plans. See Sheet 1 of 7 for boring locations.

BORING LOGS
IL ROUTE 13/157 OVER CANAL NO. 1
ST. CLAIR COUNTY
STA. 428+43
STRUCTURE NO. 082-2568

USER NAME = @USER@