

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SHEET NO. 5
7 SHEETS

Contract #76904

Illinois Department of Transportation
Division of Highways
Soils Department

SOIL BORING LOG

Page 1 of 2

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

SECTION 28BR-2, 28BR-3 LOCATION SEC. TWP. IN. RING. 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. 1 E. Abut.
Station 427+73
Offset 11.50ft LT. CL
Ground Surface Elev. 424.4 ft

Depth (ft)	(ft)	(ft)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	(ft)	(ft)	(tsf)	(%)
0											
5	0.58	21									
6	0.62	22									
7	0.81	21									
8	0.98	22									
10	0.98	20									

Gray Organic SILT (continued)
Brown SILT (Fill)
Gray Organic Silty CLAY
Gray CLAY
Gray Clayey SILT
Gray Organic SILT

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
Soils Department

SOIL BORING LOG

Page 1 of 2

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

SECTION 28BR-2, 28BR-3 LOCATION SEC. TWP. IN. RING. 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. 2 E. Pier
Station 428+30
Offset 16.00ft LT. CL
Ground Surface Elev. 409.6 ft

Depth (ft)	(ft)	(ft)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	(ft)	(ft)	(tsf)	(%)
2	0.33	85									
3	0.33	27									
5	0.65	28									
5	0.65	29									
3	0.55	33									
2	0.39	59									
3	0.39	54									
1	0.39	80									

Gray CLAY (continued)
Brown and Gray SILT
Gray CLAY
Gray SILT
Gray 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) BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Soils Department

SOIL BORING LOG

Page 1 of 2

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

SECTION 28BR-2, 28BR-3 LOCATION SEC. TWP. IN. RING. 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. 3
Station 429+30
Offset 16.50ft LT. CL
Ground Surface Elev. 409.6 ft

Depth (ft)	(ft)	(ft)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	(ft)	(ft)	(tsf)	(%)
4	0.59	29									
5	0.55	27									
6	0.65	30									
3	0.59	33									
3	0.65	47									
2	0.59	100									
2	0.33	62									

Gray CLAY (continued)
Brown and Gray SILT
Gray Clayey SILT
Gray Silty CLAY
Gray 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) BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Soils Department

SOIL BORING LOG

Page 2 of 2

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

SECTION 28BR-2, 28BR-3 LOCATION SEC. TWP. IN. RING. 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. 1 E. Abut.
Station 427+73
Offset 11.50ft LT. CL
Ground Surface Elev. 424.4 ft

Depth (ft)	(ft)	(ft)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	(ft)	(ft)	(tsf)	(%)
2	0.65	56									
2	0.65	69									
2	0.65	71									
3	0.52	59									
2	0.49	63									
3	0.52	41									
6	0.65	50									

Gray Laminated SHALE
End of Boring
Gray Medium to Coarse SAND with Gravel
Gray SANDSTONE

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
Soils Department

SOIL BORING LOG

Page 2 of 2

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

SECTION 28BR-2, 28BR-3 LOCATION SEC. TWP. IN. RING. 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. 2 E. Pier
Station 428+30
Offset 16.00ft LT. CL
Ground Surface Elev. 409.6 ft

Depth (ft)	(ft)	(ft)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	(ft)	(ft)	(tsf)	(%)
3	NC										
11	NC										
9	NC										
15	NC										
10	NC										
100+	NS										
100+	NS										
100+	NS										

Gray CLAY (continued)
Gray Medium to Coarse SAND with Gravel
Gray SANDSTONE
Gray SHALE with Layers of Gray SANDSTONE

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
Soils Department

SOIL BORING LOG

Page 2 of 2

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

SECTION 28BR-2, 28BR-3 LOCATION SEC. TWP. IN. RING. 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. 3
Station 429+30
Offset 16.50ft LT. CL
Ground Surface Elev. 409.6 ft

Depth (ft)	(ft)	(ft)	(%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	(ft)	(ft)	(tsf)	(%)
17	NC										
17	NC										
29	NC										
25	NC										
24	NC										
11	NC										
17	NC										
20	NC										

Gray Medium to Coarse SAND with Gravel (continued)
Gray Laminated SHALE
Gray Fine to Medium SAND
Gray Medium to Coarse SAND with Gravel
End of Boring

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)

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#