

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET
F.A.P. 103	27-1R	ST. CLAIR	3/82	1/4
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-	CONTRACT NO. 76300	

SHEET NO. 4  
4 SHEETS

**Illinois Department of Transportation SOIL BORING LOG** Page 1 of 1  
Date 11/1/82

ROUTE FAP 103 DESCRIPTION IL 13/15 from Greenmount Rd. to Deerfield Ct. LOGGED BY J. Lucking  
SECTION 27-1R LOCATION South West Quarter, SEC. 6, TWP. 15, RNG. 7W, 3<sup>rd</sup> PM  
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140 lb. Hydraulic

STRUCT. NO. 082-2026 Station N/A  
BORING NO. B-030 Station 196+20.39  
Offset 138.14 ft. of Existing Cl. Ground Surface Elev. 504.49 ft. (ft) (ft) (ft) (%)

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	PERCENT MOISTURE (%)	UNCONSOLIDATED COMPRESSION STRENGTH (lb./sq. in.)	SOIL CLASSIFICATION
0	Surface Water Elev. N/A				
0	Stream Bed Elev. 498.95				
0	Groundwater Elev. N/A				
0	First Encounter N/A				
0	Upon Completion Not Recorded				
0	After Days N/A				
0	Gray-Brown SILTY CLAY LOAM (fill)				
3	Gray-Brown below 15.5 Feet (continued)				
3	Gray-Brown SILTY CLAY LOAM				
7	1.25 8				
7	8 2.12 11				
7	8 2/20				
6	1 1.86 17				
6	8 5.54 8				
6	8 5/20				
498.99	Gray-Brown SANDY LOAM				
5	Brown below 25.5 Feet				
5	8 1.88 11				
5	8 5/20				
498.49	Brown below 8.0 Feet				
3	11				
3	16 6.04 15				
3	16 8/20				
498.49	Augers filled with water to balance hydrostatic pressures				
2	N/A 23				
2	N/A 23				
2	N/A 23				
491.49	Dark Gray-Brown SAND				
2	21				
1	50/4 1.28 15				
1	2 S/10				
498.59	Gray-Brown below 15.5 Feet				
4	N/A 17				
5					
1	45				
1	50/5 2.08 15				
3	12/12				

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 (ASTM D 1586)  
BBS, from 137 (Rev. 8-99)

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COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140 lb. Hydraulic

STRUCT. NO. 082-2026 Station N/A  
BORING NO. B-031 Station 196+19.25  
Offset 61.59 ft. of Existing Cl. Ground Surface Elev. 507.49 ft. (ft) (ft) (ft) (%)

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	PERCENT MOISTURE (%)	UNCONSOLIDATED COMPRESSION STRENGTH (lb./sq. in.)	SOIL CLASSIFICATION
0	Surface Water Elev. N/A				
0	Stream Bed Elev. 498.95				
0	Groundwater Elev. N/A				
0	First Encounter N/A				
0	Upon Completion Not Recorded				
0	After Days N/A				
0	Gray SILTY CLAY LOAM (continued)				
0	Brown 21.0 to 23.0 Feet				
5	10 6.13 16				
5	15 B/20				
499.49	Dark Gray-Brown SILTY CLAY LOAM, with Gravel (fill)				
1	478.49				
1	1.83 16				
5	5/20				
498.99	Dark Gray SILTY LOAM				
3	13				
3	50/5 3.72 17				
498.99	Gray-Brown SANDY LOAM				
3	15/5				
3	20				
1	30/5 4.88 19				
1	1 B/20				
498.49	Brown SAND				
1	25				
1	30/4 N/A 12				
498.49	Augers filled with water to balance hydrostatic pressures				
1	N/A 20				
1	N/A 16				
1	N/A 16				
498.49	Gray below 32.0 Feet				
4	45				
4	50/2 N/A 10				
498.82	Gray-Brown SILTY LOAM				
2	14				
7	7 B/20				
493.49	Gray SILTY CLAY LOAM				
2	14				
7	7 B/20				
3	18				
3	1.34 18				
5	B/20				

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**Illinois Department of Transportation SOIL BORING LOG** Page 1 of 2  
Date 11/1/82

ROUTE FAP 103 DESCRIPTION IL 13/15 from Greenmount Rd. to Deerfield Ct. LOGGED BY J. Lucking  
SECTION 27-1R LOCATION South West Quarter, SEC. 6, TWP. 15, RNG. 7W, 3<sup>rd</sup> PM  
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140 lb. Hydraulic

STRUCT. NO. 082-2026 Station N/A  
BORING NO. B-032 Station 196+21.35  
Offset 33.44 ft. of Existing Cl. Ground Surface Elev. 508.96 ft. (ft) (ft) (ft) (%)

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	PERCENT MOISTURE (%)	UNCONSOLIDATED COMPRESSION STRENGTH (lb./sq. in.)	SOIL CLASSIFICATION
0	Surface Water Elev. N/A				
0	Stream Bed Elev. 498.95				
0	Groundwater Elev. N/A				
0	First Encounter N/A				
0	Upon Completion Not Recorded				
0	After Days N/A				
0	Gray-Brown SAND (continued)				
1	1 N/A 25				
2	0.5 24				
2	3 P				
507.86	Dark Gray-Brown 2.0 to 5.0 Feet				
4	2.75 19				
4	8 P				
504.96	Gray SANDY LOAM				
3	4 1.47 15				
3	5 B/15				
502.65	Gray-Brown below 7.0 Feet				
3	19/20				
3	8				
4	4.5 17				
4	8 P				
499.56	Brown SILTY CLAY (fill)				
3	3				
3	1.85 17				
3	5 B/20				
497.16	Gray-Brown SANDY LOAM				
2	8				
2	N/A 19				
8	17 3.08 17				
8	28 S/15				
496.00	Auger Refusal at Elevation 496.1 Feet, Boring was Offset and Redrilled				
3	3				
3	5 N/A 10				
5	7				
492.15	Gray-Brown SAND				
2	8				
2	5 N/A 18				
5	50/5 1.37 18				
8	B/20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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ROUTE FAP 103 DESCRIPTION IL 13/15 from Greenmount Rd. to Deerfield Ct. LOGGED BY J. Lucking  
SECTION 27-1R LOCATION South West Quarter, SEC. 6, TWP. 15, RNG. 7W, 3<sup>rd</sup> PM  
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140 lb. Hydraulic

STRUCT. NO. 082-2026 Station N/A  
BORING NO. B-033 Station 196+21.95  
Offset 33.44 ft. of Existing Cl. Ground Surface Elev. 508.66 ft. (ft) (ft) (ft) (%)

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	PERCENT MOISTURE (%)	UNCONSOLIDATED COMPRESSION STRENGTH (lb./sq. in.)	SOIL CLASSIFICATION
0	Surface Water Elev. N/A				
0	Stream Bed Elev. 498.95				
0	Groundwater Elev. N/A				
0	First Encounter N/A				
0	Upon Completion Not Recorded				
0	After Days N/A				
0	Dark Gray-Brown 36.5 to 41.5 Feet				
0	Weathered below 36.5 Feet (continued)				
0	Gray below 41.5 Feet				
498.15	50/5 1.82 12				
498.15	End of Boring				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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BBS, from 137 (Rev. 8-99)

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

SOIL INFORMATION  
IL ROUTE 13/15  
OVER SUGAR CREEK  
F.A.P. ROUTE 103 SECTION 27-1R  
ST. CLAIR COUNTY  
STATION 196+20.39  
STRUCTURE NO. 082-2043