F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	48
FHWA REG. NO. 7	ILLINOIS	PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

TRAFFIC SIGNAL PLANS

Illinois Department of Transportation
Division of Highways
BDI Engineering

SOIL BORING LOG

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Date 09/07/10

ROUTE FAU 9288 DESCRIPTION Mast Arm Boring - East Highway 50 LOGGED BY SCI

SECTION 06-00062-06-PV LOCATION O'Fallon Township: NE 1/4, SEC. 33, TWP. 2N, RNG. 7W

COUNTY St. Clair DRILLING METHOD CME 45/HSA HAMMER TYPE Automatic

STRUCT. NO. _____
Station _____

BORING NO. B-1
Station 20+43.23
Offset 48 ft Rt
Ground Surface Elev. 517.5 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter Not observed ft
Upon Completion 500.5 ft
After 4 Hrs. 504.0 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
0	3 2 3	1.6 B	25	Rubble (near the ground surface) Northing - 897088.620/Easting - 2378307.882 — 518.5
				FILL: Grey and dark brown, silty clay (A-7) — 514.5
	2 2 2	0.3 B	28	SILTY CLAY: Brown (A-6)
5	2 2 2	0.9 B	25	
	2 2 3	0.8 B	25	
10	1 2 3	0.9 B	24	
	1 3 2	0.9 B	23	
15	2 2 3	1.0 B	28	SILTY CLAY: Brown and dark brown (A-7) — 502.0
	1 2 3	1.4 B	22	CLAY: Brown and gray; trace sand and gravel (A-7) — 499.5
20				497.5

Boring terminated at 20.0 ft.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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SOIL BORING LOG

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Date 09/07/10

ROUTE FAU 9266 DESCRIPTION Mast Arm Boring - East Highway 50 LOGGED BY SCI

SECTION 06-00062-06-PV LOCATION O'Fallon Township: NE 1/4, SEC. 33, TWP. 2N, RNG. 7W

COUNTY St. Clair DRILLING METHOD CME 45/HSA HAMMER TYPE Automatic

STRUCT. NO. _____
Station _____

BORING NO. B-2
Station 20+44.29
Offset 30 ft Lt
Ground Surface Elev. 513.7 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter Not observed ft
Upon Completion 499.7 ft
After 0.5 Hrs. 500.7 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
0	1 1 1	1.8 P	31	FILL: Dark brown, silty clay (A-6) Northing - 897168.57/Easting - 2378308.765
				510.7
	1 1 2	0.8 B	28	FILL: Dark brown, silty clay (A-7)
5	2 2 2	0.6 B	26	
				505.7
	0 2 2	0.7 B	27	SILTY CLAY: Brown (A-6)
10				503.2
	0 2 2	0.9 B	28	SILTY CLAY: Brown and dark brown (A-7)
	0 1 2	0.2 B	36	Becomes brown and grey
15				498.2
	0 1 1	0.4 B	28	CLAY: Brown, gray, and dark brown (A-7)
				495.7
	1 2 2	0.0 B	20	SANDY CLAY: Brown (A-6)
20				493.7

Boring terminated at 20.0 ft.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
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SOIL BORING LOG

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Date 09/07/10

ROUTE FAU 9268 DESCRIPTION Mast Arm Boring - East Highway 50 LOGGED BY SCI

SECTION 06-00062-06-PV LOCATION O'Fallon Township: NE 1/4, SEC. 33, TWP. 2N, RNG. 7W

COUNTY St. Clair DRILLING METHOD CME 45/HSA HAMMER TYPE Automatic

STRUCT. NO. _____
Station _____

BORING NO. B-3
Station 19+27.69
Offset 26 ft Lt
Ground Surface Elev. 517.5 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 511.5 ft
Upon Completion 502.5 ft
After 2 Hrs. 512.3 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
0	3 3 4	1.1 B	30	CLAY: Brown and gray (A-7) Northing - 897162.195/Easting - 2378192.427
				514.5
	2 2 1	0.3 B	29	SILTY CLAY: Grey (A-6)
5				Becomes brown
	1 2 3	0.2 B	27	
	1 2 2	0.6 B	26	
10	2 2 3	1.1 B	24	
				504.5
	2 2 3	1.3 B	24	CLAY: Brown and gray, trace sand (A-7)
15	1 2 3	1.4 B	27	
	1 2 3	0.9 B	23	Becomes brown, grey, and dark brown, some sand
20				497.5

Boring terminated at 20.0 ft.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)