F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6108	(70X)N & TS-1	LASALLE	460	334
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 86603

DESIGN		
INT.	DATE	REASON

PLOTS & CHECKS		
INT.	DATE	NO. REASON

CHECKS		
INT.	DATE	REASON

SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITIES
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LUMP SUM	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LUMP SUM	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LUMP SUM	1
72000100	SIGN PANEL - TYPE 1	SQ. FEET	27
80500100	SERVICE INSTALLATION, TYPE a	EACH	1
80803530	TRAFFIC SIGNAL WOOD POLE, 25' CLASS 4	EACH	1
81012200	CONDUIT IN TRENCH, 3/4" DIA., PVC	FOOT	712
81012500	CONDUIT IN TRENCH, 1-1/2" DIA., PVC	FOOT	33
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	962
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	62
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	77
81021370	CONDUIT PUSHED, 4" DIA., PVC	FOOT	259
81400400	CONCRETE HANDHOLE	EACH	7
81400600	CONCRETE DOUBLE HANDHOLE	EACH	1
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1427
81702110	ELECTRIC CABLE IN CONDUIT, XLP USE 1C NO. 10	FOOT	1251
82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	2
85700205	FULL ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	845
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1595
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1-PAIR	FOOT	2234
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3C	FOOT	41
87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	4
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5
87800415	CONCRETE FOUNDATION, TYPE E, 36" DIAMETER	FOOT	52
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED FORMED PLASTIC	EACH	12
88500100	INDUCTIVE LOOP DETECTOR	EACH	10
88600100	DETECTOR LOOP, TYPE 1	FOOT	1790
X0323885	TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1
X8801310	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
X8801345	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
X8801350	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
X8801395	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
X8801400	SIGNAL HEAD, POLYCARONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2

STANDARDS

701501-2 URBAN LANE CLOSURE 2L.2W UNDIVIDED
701502 URBAN LANE CLOSURE 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE
720001 SIGN PANEL MOUNTING DETAILS
720016 MAST ARM MOUNTED STREET NAME SIGNS
805001 ELECTRICAL SERVICE INSTALLATION DETAILS
814001 CONCRETE HANDHOLES
814006 DOUBLE HANDHOLES
857001 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877001 STEEL MAST ARM ASSEMBLY AND POLE
877011 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
878001 CONCRETE FOUNDATION DETAILS
880006 TRAFFIC SIGNAL MOUNTING DETAILS
886006 TYPICAL LAYOUTS FOR DETECTION LOOPS
886001 DETECTOR LOOP INSTALLATIONS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 5/9/03

ROUTE FAU 6108(IL 351) DESCRIPTION MAST ARM FOUNDATION AT ILLINOIS 351 AND CIVIC ROAD IN LASALLE LOGGED BY IDOT-LM

SECTION (70X,71X)RS,(71X-V8R)DM LOCATION NE 1/4, SEC. 3, TWP. 33N, RNG. 1E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO.
Station
BORING NO. 1 NW QUAD
Station
Offset
Ground Surface Elev. ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter ft
Upon Completion ft ▽
After Hrs. ft

Description	Elev. (ft)	DEPTH	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGERED BITUMINOUS PAVEMENT over Black SILTY CLAY LOAM					
Very Stiff Gray & Green SILTY CLAY			2 4 4	2.2 S	27.0
Very Stiff Brown SILTY LOAM	-5		2 2 2	2.5 P	23.0
Very Soft Brown SANDY LOAM			1 3 3	0.2 B	14.0
Medium Brown SANDY LOAM	▽10		2 4 5	0.8 B	15.0
Stiff Brown SANDY LOAM TILL			1 3 4	1.3 B	12.0
Very Stiff Gray SANDY LOAM TILL	-15		4 7 10	3.7 S	9.0
			7 11 19	3.2 S	9.0
	-20				
Very Stiff Gray SANDY LOAM TILL (continued)			7 12 15	3.7 S	9.0
	-25		16 9 12	2.5 P	21.0
Gray CLAY, Fine SAND & SILT POCKETS					
End of Boring					
	-30				
	-35				
	-40				

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 T208)
BBS. from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE
W.C.D.	6/26/03
W.C.D.	7/23/03
W.C.D.	9/25/03
W.C.D.	3/2/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL
SCHEDULE OF QUANTITIES

FAU 6108 (IL. RTE. 351)
SECTION (70X)N & TS-1
LASALLE COUNTY

SCALE: VERT. HORIZ.
DATE: 6/4/03
DRAWN BY: C.S.
DESIGNED BY: W.C.D.
CHECKED BY: W.C.D.

CBB Crawford, Bunte, Brammeler Traffic and Transportation Engineers
St. Louis, Missouri/Glen Carbon, Illinois
314-878-6644 618-656-2612
Fax 314-878-5876 E-Mail cbb@cbbtraffic.com

COMPUTER FILE NO. TSDET1
PROJECT 01194.B.N
4/16/04 - MDS

IDOTPL-I 1"=1' 8/07/00