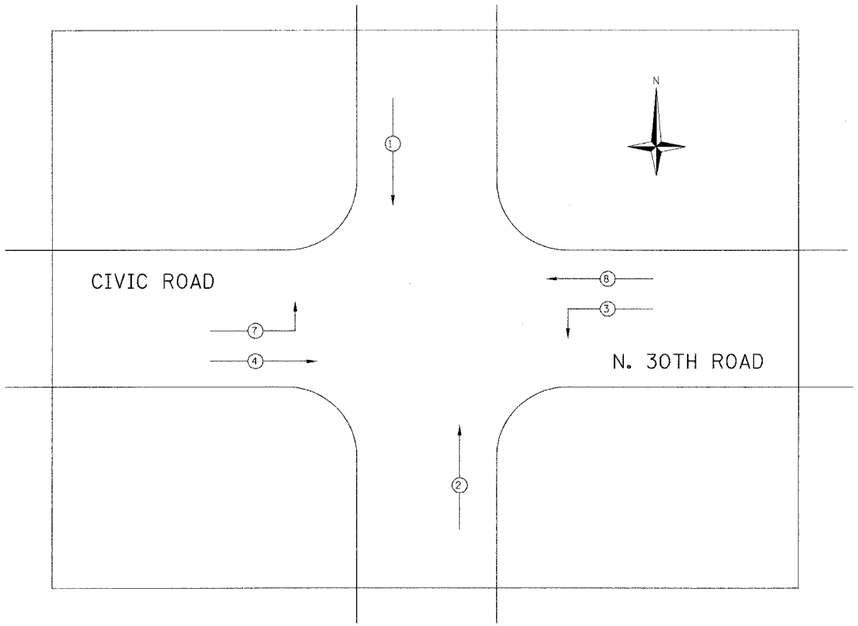
DESIGN		
INT.	DATE	REASON

PLOTS & CHECKS		
INT.	DATE	NO. REASON

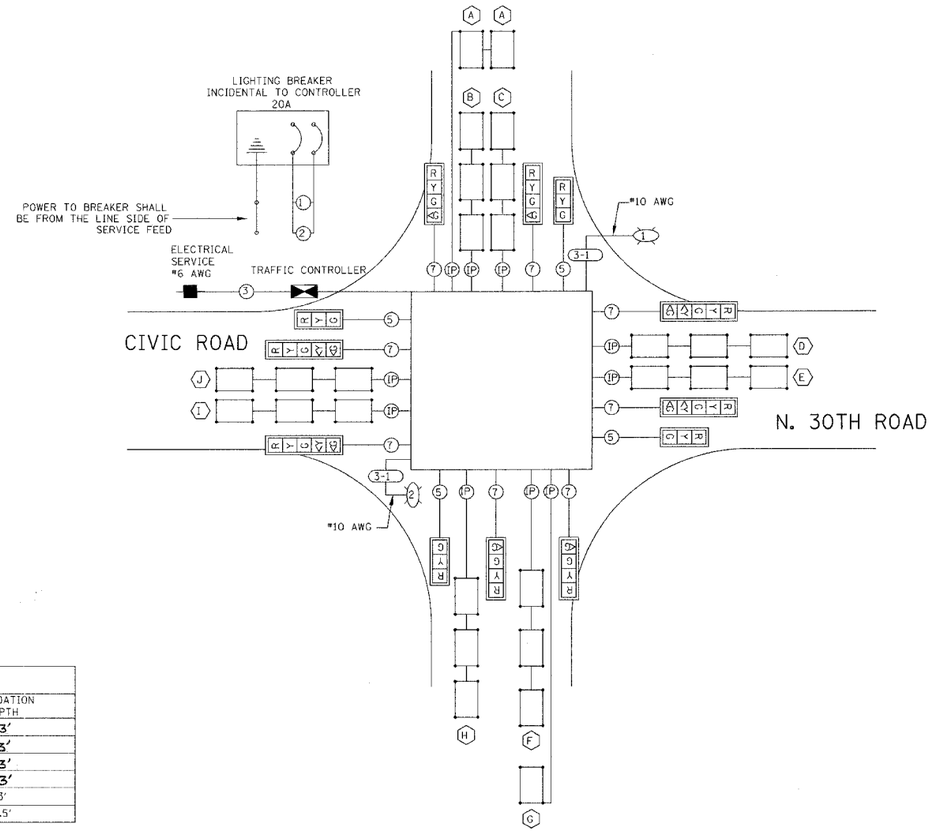
CHECKS		
INT.	DATE	REASON

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



PHASE DESIGNATION DIAGRAM



CABLE PLAN

FOUNDATION DEPTH TABLE

TYPE	LOCATION	FOUNDATION DEPTH
MAST ARM	N.E. QUADRANT	13'
MAST ARM	S.E. QUADRANT	13'
MAST ARM	N.W QUADRANT	13'
MAST ARM	S.W. QUADRANT	13'
TRAFFIC SIGNAL POST	ALL (4 EACH)	3'
CONTROLLER CABINET	N.W. QUADRANT	3.5'

NOTE: THE CONTROLLER FOUNDATION EXTENDS 6" ABOVE GRADE.

ELECTRICAL LOAD CHART

N.B. ILLINOIS ROUTE 351			
SIGNAL SECTION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	3	10	81
YELLOW	3	19	5
GREEN	3	14	14
GREEN ARROW	2	7	14
LUMINAIRE	2	250	50

S.B. ILLINOIS ROUTE 351			
SIGNAL SECTION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	3	10	65
YELLOW	3	19	5
GREEN	3	14	30
GREEN ARROW	2	7	30

CIVIC RD./N. 30TH ROAD			
SIGNAL SECTION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	6	10	70
YELLOW	6	19	5
GREEN	6	14	25
YELLOW ARROW	4	9	5
GREEN ARROW	4	7	11

TRAFFIC SIGNAL CABINET			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LOOP DETECTORS	10	4	100

DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	LABEL	NUMBER OF TURNS	INDUCTANCE (mh)	FREQUENCY (HERTZ)	J PIN STATUS
A	dla. 1 SB FAR	5	513	26,947	ON
B	dla. 1 SB STBRRT	3	575	25,467	ON
C	dla. 1 SB STBRLT	3	578	25,386	ON
D	dla. 8 WB	3	595	25,021	ON
E	dla. 3 WBLT	3	602	24,772	ON
F	dla. 2 NB STBR	3	656	23,829	ON
G	dla. 2 NB FAR	5	436	29,229	ON
H	dla. 2 NBLT	3	607	24,772	ON
I	dla. 4 EB	3	590	25,127	ON
J	dla. 7 EBLT	3	597	24,979	ON

J PIN STATUS:
"ON" MEANS STANDARD DETECTOR SETUP.
"OFF" MEANS THE J WIRE HAS BEEN DISCONNECTED, BUT INTACT AT THE HARNESS PANEL WITH THE NECESSARY SPADE CONNECTION ATTACHED, MARKED AND INSULATED.

CABLE PLAN LEGEND

- R Y G — SIGNAL SECTION 12"
- CONTROLLER CABINET
- VEHICLE DETECTOR, INDUCTION LOOP
- SERVICE INSTALLATION
- ELECTRIC CABLE IN CONDUIT
  ALL CABLE NO. 14 EXCEPT AS INDICATED
  • DENOTES NUMBER OF CONDUCTORS
  •P DENOTES NUMBER OF PAIRS IN TWISTED SHIELDED CABLE
- R Y G — SIGNAL FACE WITH BACKPLATE
- 250 WATT HPS LUMINAIRE
- (E) — DETECTOR LOOP IDENTIFICATION

AGENCY RESPONSIBLE FOR ENERGY CHARGES:
CITY OF LASALLE

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS

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, Brammeier
Traffic and Transportation Engineers
St. Louis, Missouri/Glen Carbon, Illinois
314-878-6644 618-656-2662
Fax 314-878-5876 E-Web cbbcobbtraffic.com

COMPUTER FILE NO. TSDET4

PROJECT 01194.B_N
4/16/04 - MDS

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

...\Det_plots\tsdet4.dgn 04/07/2004 11:46:30 PM User = cpeil