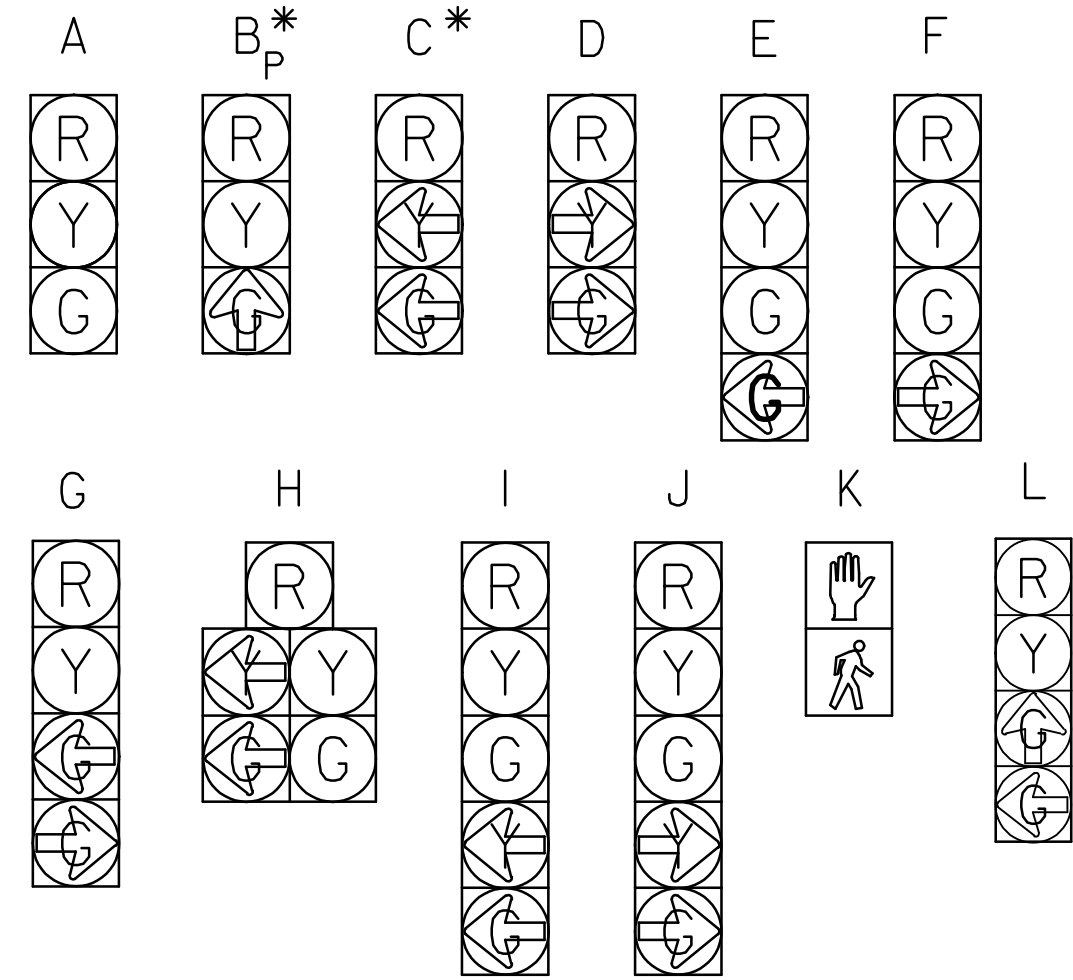


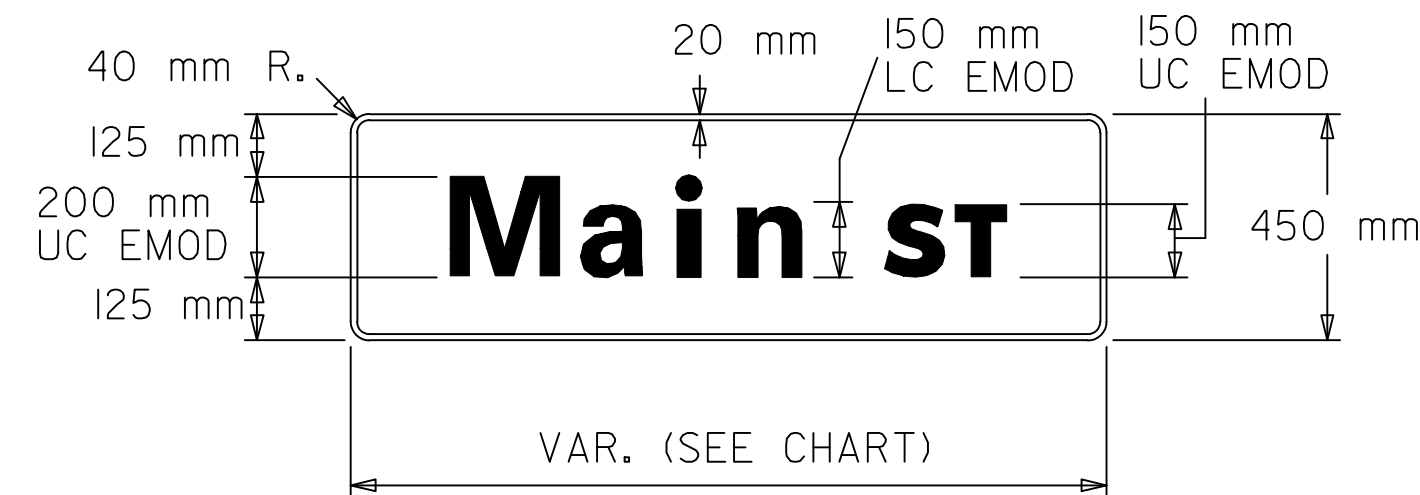
CHART A SIGNAL SUMMARY			
SIGNAL FACE ARRANGEMENT	NO. SECTIONS (PER FACE)	SIGNAL MOUNTING TYPE	QUANTITY
A	3	MAST ARM W/BACKPLATE	6
C	3	MAST ARM W/BACKPLATE	2
		MAST ARM W/BACKPLATE	
A	3	SIDE-OF-POLE	4
		SIDE-OF-POLE	
		SIDE-OF-POLE	



* SUBSCRIPT "P" INDICATES PROGRAMMED SIGNALS

CHART B TRAFFIC SIGNAL POLES								
POLE NO.	POLE HEIGHT	SIGNAL ARM LENGTH	SIGNAL ARM MOUNTING HEIGHT	NO. OF SIGNALS ON ARM	SIGNAL SPACING	LUMINAIRE ARM LENGTH	LUMINAIRE MOUNTING HEIGHT	QUANT.
1	10.7	18.3	5.8	3	10.9, 14.6, 18.3	2.5	12	1
2	6.1	14.6	5.8	1	14.6			1
3	10.7	17.7	5.8	3	10.3, 14.0, 17.7	2.5	12	1
4	6.1	14.0	5.8	1	14.0			1

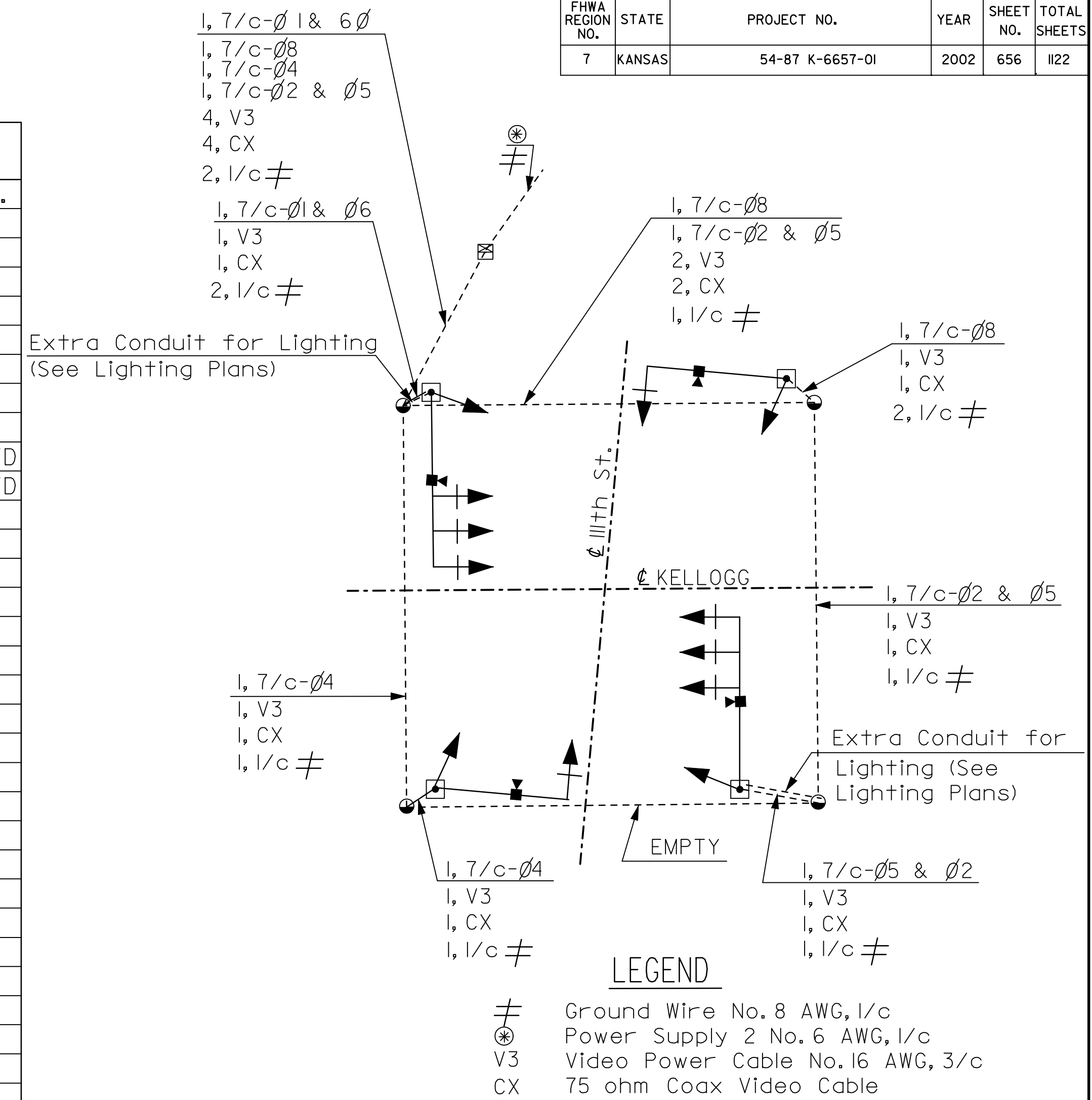
CHART C OVERHEAD STREET NAME SIGNS			
SIGN	LEGEND	LENGTH	QUANTITY
A	Kellogg	1500	2
B	11th St.	1200	2



NOTE :
THE TRAFFIC SIGNAL SYSTEM SHALL BE COMPLETE AND THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT AND MATERIALS NECESSARY FOR THE SATISFACTORY OPERATION OF ELECTRICAL APPARATUS AND FOR COMPLETE OPERATION OF THE TRAFFIC SIGNAL SYSTEM WHETHER SPECIFICALLY MENTIONED OR NOT.

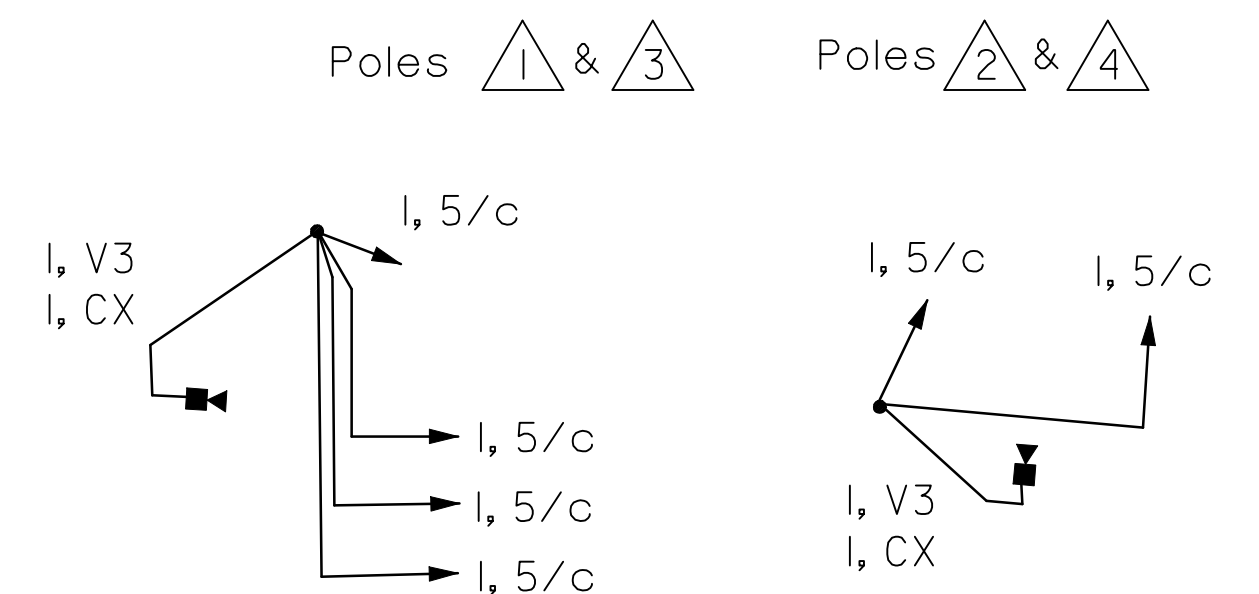
BILL OF MATERIALS		
ITEM	UNIT	QUANT.
PAD MOUNTED CONTROLLER & CABINET	EACH	1
TRAFFIC SIGNAL HEAD W/MOUNTING HARDWARE	EACH	12
TRAFFIC SIGNAL POLE STEEL (6.1m)	EACH	2
TRAFFIC SIGNAL POLE (JOINT USE) STEEL (10.7m)	EACH	2
CONCRETE CONTROLLER PAD	EACH	1
CONCRETE FOOTING - PEDESTAL	EACH	-
CONCRETE FOOTING - POLE	EACH	4
CONDUIT ELBOW 90° 50mm	EACH	AS REQ'D
CONDUIT ELBOW 90° 75mm	EACH	AS REQ'D
BACK PLATE 175mm 3 SECTION	EACH	8
BACK PLATE 175mm 5 SECTION	EACH	-
TERMINAL BLOCK	EACH	-
SERVICE BOX	EACH	4
JUNCTION BOX (PRE-FAB)	EACH	-
GROUND ROD & CLAMP	EACH	6
TRAFFIC SIGNAL LAMP 135 WATT	EACH	-
LED TRAFFIC SIGNAL LENS	EACH	36
LED "PEDESTRIAN" SIGNAL LENS	EACH	-
ENTRANCE HEAD	EACH	1
CIRCUIT BREAKER & BOX 50 AMP.	EACH	1
SURGE ARRESTOR - A.C. SERVICE	EACH	-
SURGE ARRESTOR - DETECTOR	EACH	-
R10-10 SIGN (600mm X 750mm)	EACH	2
R10-12 SIGN (600mm X 750mm)	EACH	-
PEDESTRIAN PUSHBUTTON W/SIGN	EACH	-
6 PR. COMMUNICATION CABLE	METER	-
LEAD-IN WIRE NO.6 AWG 1/c	METER	30
MULTI-CONDUCTOR CABLE NO.14 AWG 7/c	METER	350
MULTI-CONDUCTOR CABLE NO.14 AWG 5/c	METER	300
MULTI-CONDUCTOR CABLE NO.14 AWG 3/c	METER	-
MULTI-CONDUCTOR CABLE NO.14 AWG 2/c	METER	-
CONDUIT, 25mm & FITTINGS (RGC)	METER	-
CONDUIT, 40mm & FITTINGS (RGC)	METER	-
CONDUIT, 50mm & FITTINGS (RGC)	METER	41
CONDUIT, 75mm & FITTINGS (RGC)	METER	186
CONDUIT, 50mm & FITTINGS (PVC)	METER	23
#8 AWG GROUND (GREEN)	METER	250
STREET NAME SIGN	EACH	4
VIDEO DETECTION CAMERA (VANTAGE OZ2), MOUNTING HARDWARE	EACH	4
VIDEO DETECTION UNIT (VANTAGE EDGE MODULE)	METER	4
VIDEO POWER CABLE #16 AWG 3/c	METER	425
VIDEO CABLE 75 OHM COAXIAL (BELDON #8281 OR APPROVED EQUAL)	METER	425
TV MONITOR	EACH	-

NOTE: SEE SH. NO. 665 FOR NOTES SPECIFYING POINT COLORS FOR TRAFFIC SIGNAL EQUIPMENT.



WIRING DIAGRAM

Note: Equipment ground wire to be spliced at pole base.



POLE WIRING DIAGRAM

-QUANTITIES FOR INFORMATION ONLY-

3				
2				
1				
NO.	DATE		BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION
TYPE 170E SYSTEM
TRAFFIC SIGNAL QUANTITIES SHEET
11th ST. & KELLOGG

TEI30BS+	04/28/98
FHWA APPROVAL 05/18/98	APP'D Linda G. Vos, P.E.
DESIGNED J.F.F. DETAILED J.F.F. QUANTITIES TRACED	
DESIGN CK. D.A.C. DETAIL CK. D.A.C. QUAN. CK.	TRACE CK.

RECORD DRAWING