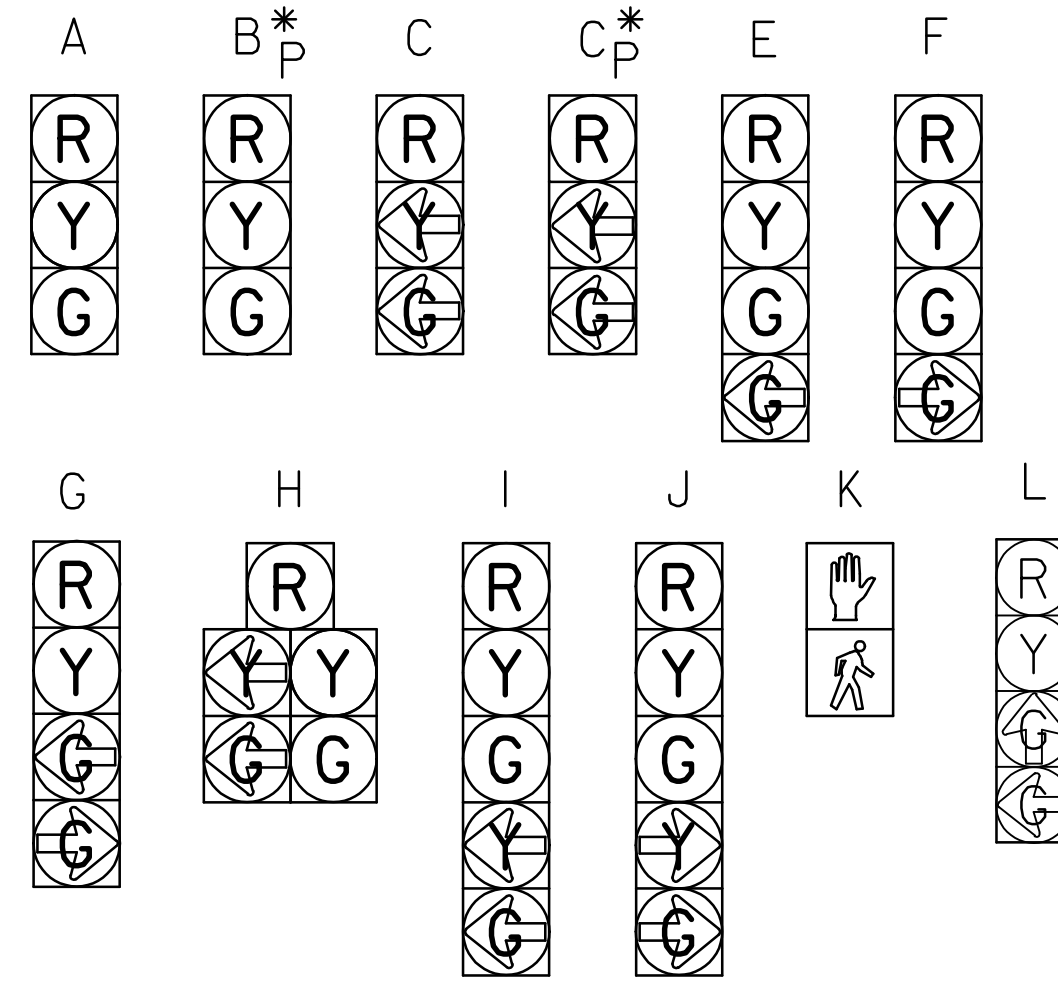


CHART A SIGNAL SUMMARY				
SIGNAL FACE ARRANGEMENT	NO. SECTIONS (PER FACE)	SIGNAL MOUNTING TYPE	QUANTITY N. INTERSECTION	QUANTITY S. INTERSECTION
A	3	MAST ARM W/BACKPLATE	5	5
Ap	3	MAST ARM W/BACKPLATE	2 <sup>①</sup>	2 <sup>②</sup>
C	3	MAST ARM W/BACKPLATE	1	1
Cp	3	MAST ARM W/BACKPLATE	1 <sup>③</sup>	2 <sup>④</sup>
L	4	MAST ARM W/BACKPLATE	1	1
		SIDE-OF-POLE		
K	2	SIDE-OF-POLE	6	6



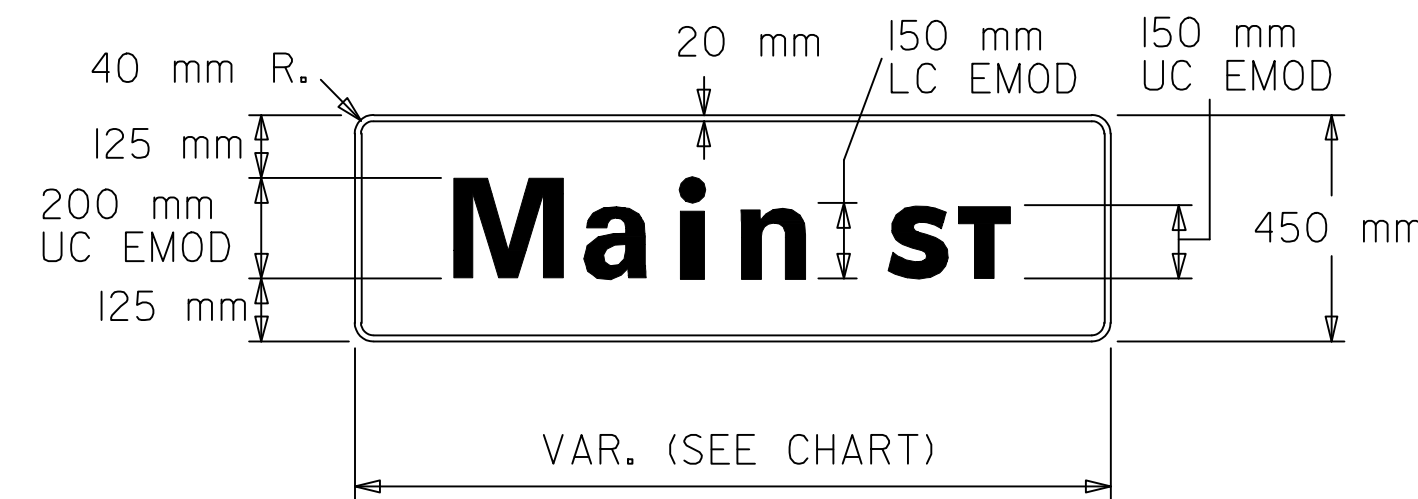
\* SUBSCRIPT "P" INDICATES PROGRAMMED SIGNALS

- ① Ø4
- ② Ø8
- ③ Ø7
- ④ Ø3

ITEM	UNIT	QUANT.	
		N. INTER.	S. INTER.
PAD MOUNTED CONTROLLER & CABINET	EACH	1	1
STREET MASTER CONTROLLER	EACH	1	-
TRAFFIC SIGNAL HEAD W/MOUNTING HARDWARE	EACH	16	16
TRAFFIC SIGNAL POLE STEEL (6.1m)	EACH	-	1
TRAFFIC SIGNAL POLE (JOINT USE) STEEL (10.7m)	EACH	3	1
TRAFFIC SIGNAL PEDESTAL (3.0m)	EACH	2	2
CONCRETE CONTROLLER PAD	EACH	1	1
CONCRETE FOOTING - PEDESTAL	EACH	2	2
CONCRETE FOOTING - POLE	EACH	3	2
CONDUIT ELBOW 90° 50mm	EACH	AS REQ'D	AS REQ'D
CONDUIT ELBOW 90° 75mm	EACH	AS REQ'D	AS REQ'D
BACK PLATE 175mm 3 SECTION	EACH	9	10
BACK PLATE 175mm 4 SECTION	EACH	1	-
TERMINAL BLOCK	EACH	-	-
SERVICE BOX	EACH	4	4
JUNCTION BOX (PRE-FAB)	EACH	-	-
GROUND ROD & CLAMP	EACH	7	6
TRAFFIC SIGNAL LAMP 135 WATT	EACH	9	12
LED TRAFFIC SIGNAL LENS	EACH	22	18
LED "PEDESTRIAN" SIGNAL LENS	EACH	12	12
ENTRANCE HEAD	EACH	1	1
CIRCUIT BREAKER & BOX 50 AMP.	EACH	1	1
SURGE ARRESTOR - A.C. SERVICE	EACH	-	-
SURGE ARRESTOR - DETECTOR	EACH	-	-
R10-10 SIGN (600mm X 750mm)	EACH	2	2
R10-12 SIGN (600mm X 750mm)	EACH	-	-
PEDESTRIAN PUSHBUTTON W/SIGN	EACH	6	6
6 PR. COMMUNICATION CABLE	METER	110	60
LEAD-IN WIRE NO.6 AWG 1/c	METER	210	70
MULTI-CONDUCTOR CABLE NO.14 AWG 7/c	METER	250	300
MULTI-CONDUCTOR CABLE NO.14 AWG 5/c	METER	700	600
MULTI-CONDUCTOR CABLE NO.14 AWG 3/c	METER	30	30
MULTI-CONDUCTOR CABLE NO.14 AWG 2/c	METER	20	20
CONDUIT, 25mm & FITTINGS (RGC)	METER	-	-
CONDUIT, 40mm & FITTINGS (RGC)	METER	-	-
CONDUIT, 50mm & FITTINGS (RGC)	METER	150	60
CONDUIT, 75mm & FITTINGS (RGC)	METER	200	130
CONDUIT, 50mm & FITTINGS (PVC)	METER	30	55
#8 AWG GROUND (GREEN)	METER	420	260
STREET NAME SIGN	EACH	3	3
VIDEO DETECTION CAMERA (VANTAGE OZ2), MOUNTING HARDWARE	EACH	3	3
VIDEO DETECTION UNIT (VANTAGE EDGE MODULE)	METER	3	3
VIDEO POWER CABLE #16 AWG 3/c	METER	300	320
VIDEO CABLE 75 OHM COAXIAL (BELDON #8281 OR APPROVED EQUAL)	METER	300	320
TV MONITOR	EACH	-	-

CHART B TRAFFIC SIGNAL POLES								
POLE HEIGHT	SIGNAL ARM LENGTH	SIGNAL ARM MOUNTING HEIGHT	NO. OF SIGNALS ON ARM	SIGNAL SPACING	LUMINAIRE ARM LENGTH	LUMINAIRE MOUNTING HEIGHT	QUANTITY N. INTER.	QUANTITY S. INTER.
10.7	18.3	5.8	4	8.1, 11.5, 14.9, 18.3	2.5	12.0	1	
10.7	18.3	5.8	3	11.5, 14.9, 18.3	2.5	12.0	1	
4.0							2	2
10.7	12.2	5.8	3	5.4, 8.8, 12.2	2.5	12.0	1	
6.1	18.3	5.8	3	11.5, 14.9, 18.3				1
	11.6	5.8	3	4.8, 8.2, 11.6				
10.7	15.2	5.8	4	5.0, 8.4, 11.8, 15.2	2.5	12.0	1	

CHART C OVERHEAD STREET NAME SIGNS				
SIGN	LEGEND	LENGTH	QTY. N. INTER.	S QTY. S. INTER.
A	Kellogg	1500	2	2
C	Tyler Maize	1200	1	1



SERVICE BOX SUMMARY		
ROADWAY	STATION	DIST. - SIDE
FR. RD. LT.	15+598	12m RT.
FR. RD. LT.	15+598	27m LT.
FR. RD. LT.	15+638	15m RT.
FR. RD. LT.	15+644	11m LT.
FR. RD. RT.	15+567	17m RT.
FR. RD. RT.	15+567.5	18m Lt.
FR. RD. RT.	15+610	16m LT.
FR. RD. RT.	15+615	15m Rt.

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.

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

**ADDENDUM NO. 2:**  
Sheet 659  
1. Revise the quantity for 50 mm PVC Conduit on N. Intersection from 30 m to 55 m.

**RECORD DRAWING**

-QUANTITIES FOR INFORMATION ONLY-

3				
2				
1				
NO.	DATE		BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION  
TYPE 170E SYSTEM  
TRAFFIC SIGNAL QUANTITIES SHEET  
KELLOGG & MAIZE ROAD

FE130BS+ 04/28/98  
Linda G. Voss, 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.