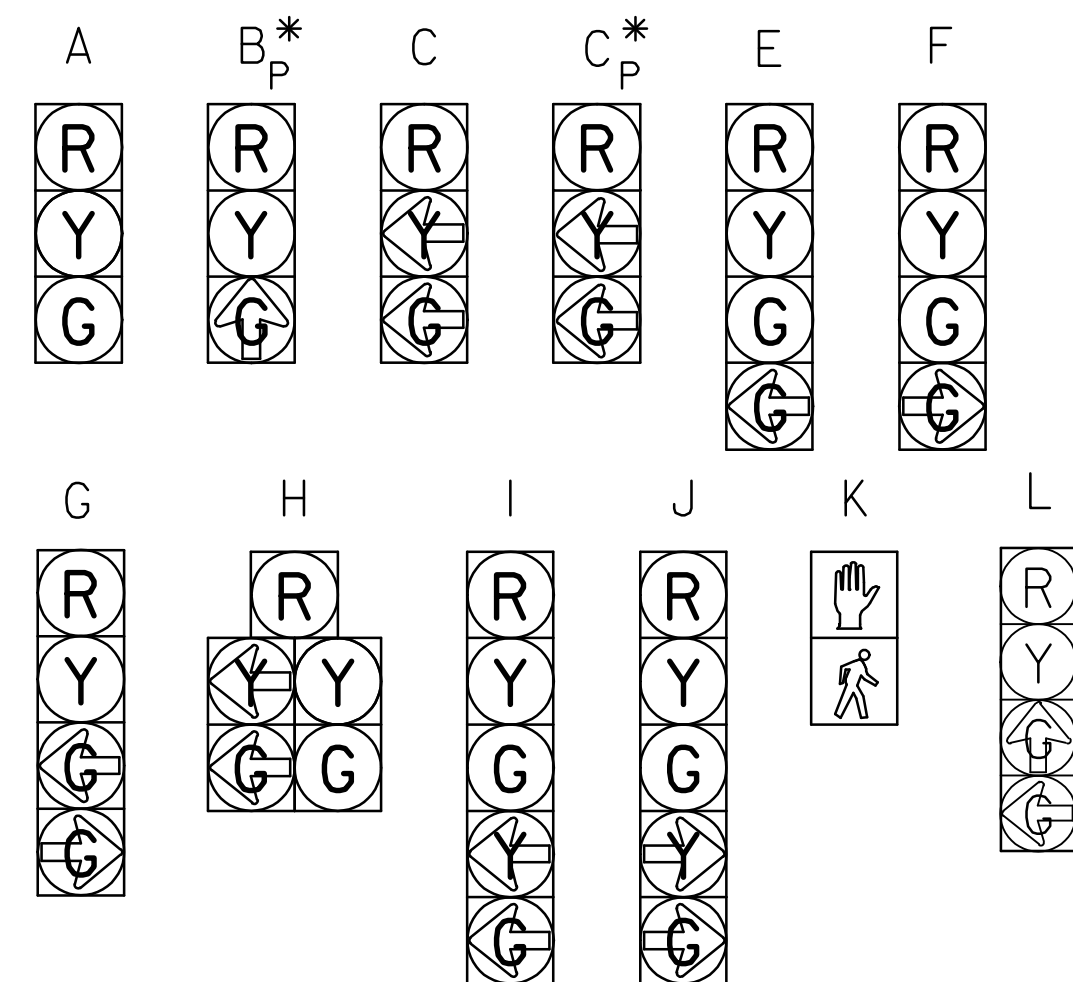


CHART A SIGNAL SUMMARY				
SIGNAL FACE ARRANGEMENT	NO. SECTIONS (PER FACE)	SIGNAL MOUNTING TYPE	QUANTITY N. INTERSECTION	QUANTITY S. INTERSECTION
A	3	MAST ARM W/BACKPLATE	5	5
Ap	3	MAST ARM W/BACKPLATE	2 <sup>①</sup>	2 <sup>②</sup>
C	3	MAST ARM W/BACKPLATE	1	1
Cp	3	MAST ARM W/BACKPLATE	1 <sup>③</sup>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

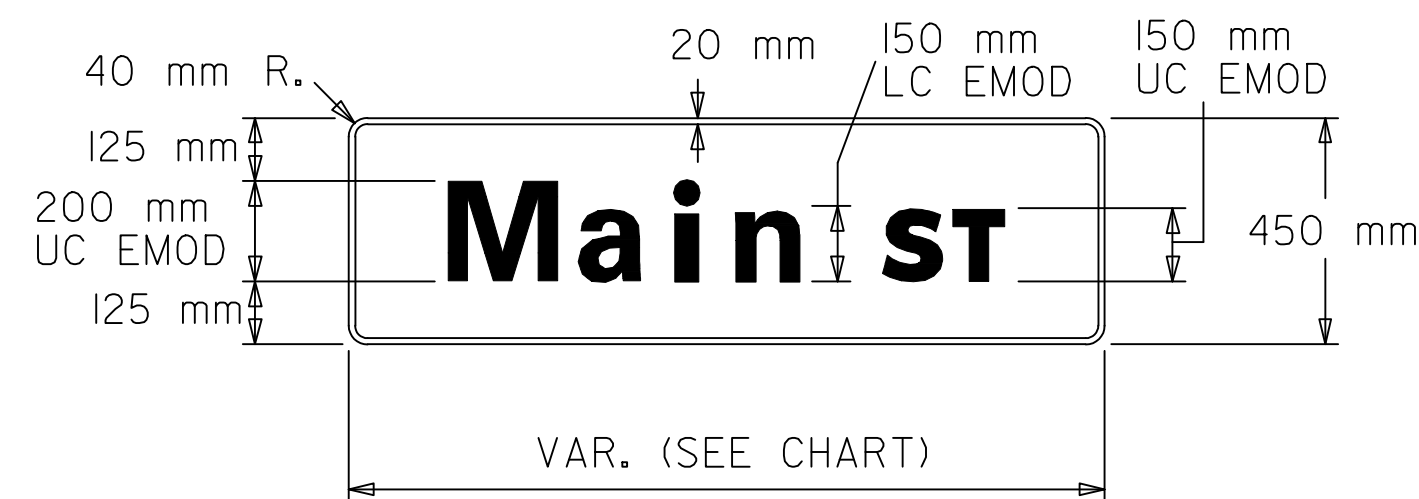
- ① Ø4
- ② Ø8
- ③ Ø7
- ④ Ø3



\* SUBSCRIPT "P" INDICATES PROGRAMMED SIGNALS

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.
6.1	18.3	5.8	4	7.2, 10.9, 14.6, 18.3			1	
10.7	16.4	5.8	3	9.6, 13.0, 16.4	2.5	12.0	1	
6.1	13.4	5.8	3	6.6, 10.0, 13.4			1	
3.0							1	2
6.1	15.3	5.8	3	7.9, 11.6, 15.3				1
10.7	18.3	5.8	3	11.5, 14.9, 18.3	2.5	12.0		1
10.7	18.3	5.8	4	8.1, 11.5, 14.9, 18.3	2.5	12.0		1

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



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. N. INTER.	QUANT. 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	2	1
TRAFFIC SIGNAL POLE (JOINT USE) STEEL (10.7m)	EACH	1	2
TRAFFIC SIGNAL PEDESTAL (3.0m)	EACH	1	2
CONCRETE CONTROLLER PAD	EACH	1	1
CONCRETE FOOTING - PEDESTAL	EACH	1	2
CONCRETE FOOTING - POLE	EACH	3	3
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	7
JUNCTION BOX (PRE-FAB)	EACH	-	-
GROUND ROD & CLAMP	EACH	6	7
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-I0 SIGN (600mm X 750mm)	EACH	2	2
R10-I2 SIGN (600mm X 750mm)	EACH	-	-
PEDESTRIAN PUSHBUTTON W/SIGN	EACH	6	6
6 PR. COMMUNICATION CABLE	METER	120	60
LEAD-IN WIRE NO.6 AWG 1/c	METER	120	70
MULTI-CONDUCTOR CABLE NO.14 AWG 7/c	METER	300	300
MULTI-CONDUCTOR CABLE NO.14 AWG 5/c	METER	600	600
MULTI-CONDUCTOR CABLE NO.14 AWG 3/c	METER	30	30
MULTI-CONDUCTOR CABLE NO.14 AWG 2/c	METER	10	10
CONDUIT, 25mm & FITTINGS (RGC)	METER		
CONDUIT, 40mm & FITTINGS (RGC)	METER		
CONDUIT, 50mm & FITTINGS (RGC)	METER	70	60
CONDUIT, 75mm & FITTINGS (RGC)	METER	160	130
CONDUIT, 50mm & FITTINGS (PVC)	METER	6	<del>20</del> 65
#8 AWG GROUND (GREEN)	METER	300	300
STREET NAME SIGN	EACH	3	3
VIDEO DETECTION CAMERA (VANTAGE 0Z2), MOUNTING HARDWARE	EACH	3	3
VIDEO DETECTION UNIT (VANTAGE EDGE MODULE)	METER	3	3
VIDEO POWER CABLE #16 AWG 3/c	METER	320	320
VIDEO CABLE 75 OHM COAXIAL (BELDON #8281 OR APPROVED EQUAL)	METER	320	320
TV MONITOR	EACH	1	0

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

**ADDENDUM NO. 2:**  
Sheet 662  
1. Revise the quantity for 50 mm PVC Conduit on S. Intersection from 20 m to 65 m.

**RECORD DRAWING**

SERVICE BOX SUMMARY		
ROADWAY	STATION	DIST. - SIDE
FR. RD. LT.	17+320	12.5m RT.
FR. RD. LT.	17+323	5.5m LT.
FR. RD. LT.	17+355.5	15m RT.
FR. RD. LT.	17+365	6m LT.
FR. RD. RT.	17+294	3m RT.
FR. RD. RT.	17+301	14m Lt.
FR. RD. RT.	17+334	15.5m RT.
FR. RD. RT.	17+340	18m Lt.

-QUANTITIES FOR INFORMATION ONLY-

3				
2				
1				
NO.	DATE		BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION  
TYPE I70E SYSTEM  
TRAFFIC SIGNAL QUANTITIES SHEET  
KELLOGG & TYLER ROAD

FE130BS+ 04/28/98  
FHWA APPROVAL 05/18/98 APP'D 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.