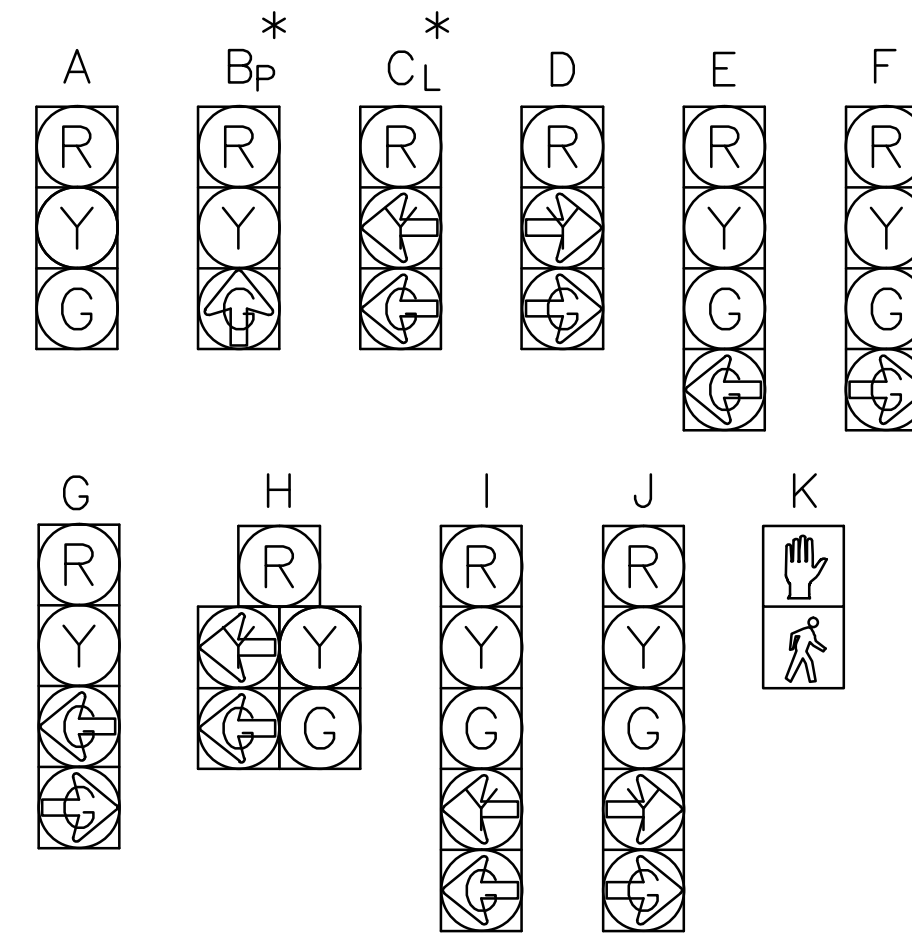
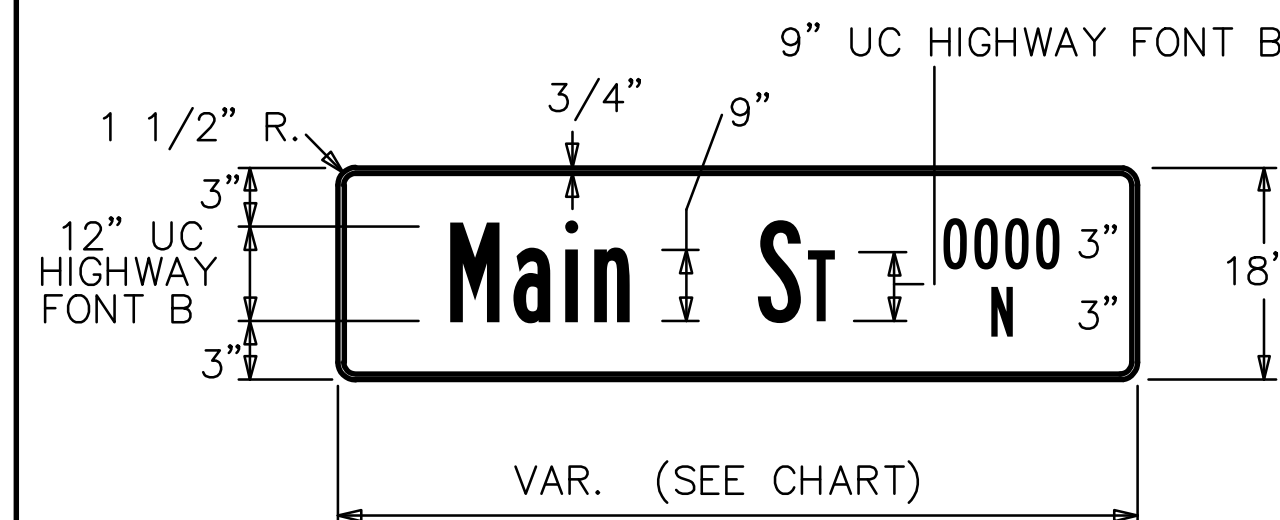


SIGNAL FACE ARRANGEMENT	NO. SECTIONS (PER FACE)	SIGNAL MOUNTING TYPE	QUANTITY
A	3	MAST ARM W/BACKPLATE	14
I	5	MAST ARM W/BACKPLATE	6
A	3	SIDE-OF-POLE	8
K	1	SIDE-OF-POLE	16



* SUBSCRIPT "P" INDICATES PROGRAMMED SIGNALS;
SUBSCRIPT "L" INDICATES L.E.D. LENSES.

POLE HEIGHT	SIGNAL ARM LENGTH	SIGNAL ARM MOUNTING HEIGHT	NO. OF SIGNALS ON ARM	SIGNAL SPACING	LUMINAIRE ARM LENGTH	LUMINAIRE MOUNTING HEIGHT	QUANT.
1.	20'	53'	19'	3	28',11',8'	-	1
2.	20'	53'	19'	3	28',11',8'	-	1
3.	20'	53'	19'	3	28',11',8'	-	1
4.	20'	53'	19'	3	28',11',8'	-	1
5.	15'	-	-	-	-	-	1
6.	20'	25'	19'	1	23'	-	1
7.	15'	-	-	-	-	-	1
8.	20'	45'	19'	-	21',11',8'	-	1
9.	20'	43'	19'	-	19',11',8'	-	1
10.	15'	-	-	-	-	-	1
11.	20'	20'	19'	-	18'	-	1
12.	15'	-	-	-	-	-	1



LEGEND	LENGTH	QUANTITY
Seneca 3100 S	5'-0"	1
Seneca 3200 S	5'-0"	1
Seneca 3400 S	5'-0"	1
Seneca 3500 S	5'-0"	1
31st St 1000 W	5'-0"	1
31st St 1100 W	5'-0"	1
34th St 1000 W	5'-0"	1
34th St 1100 W	5'-0"	1

ITEM	QUANT.	UNIT
PAD MOUNTED CABINET	1	EACH
CONTROLLER	CITY	EACH
CONFLICT MONITOR	CITY	EACH
SURGE ARRESTOR - A.C. SERVICE	-	EACH
POLE MOUNTED CABINET	-	EACH
TRAFFIC SIGNAL HEAD	24	EACH
SIGNAL HEAD MOUNTING BRACKET	24	EACH
BACK PLATE 5" 3 SECTION	8	EACH
BACK PLATE 5" 5 SECTION	4	EACH
PED. INDIC. LED (16"x18" COMB. W/ COUNTDOWN)	8	EACH
L.E.D. TRAFFIC SIGNAL LENS	56	EACH
PEDESTRIAN PUSHBUTTON & SIGN	8	EACH
TRAFFIC SIGNAL POLE (20')	4	EACH
TRAFFIC SIGNAL PEDESTAL	-	EACH
TERMINAL BLOCK	4	EACH
JUNCTION BOX	-	EACH
SERVICE BOX	4	EACH
ENTRANCE HEAD	-	EACH
SERVICE ENLCOSURE	-	EACH
CIRCUIT BREAKER, TRAFFIC SIGNAL	1	EACH
CIRCUIT BREAKER, LUMINAIRE	-	EACH
GROUND ROD & CLAMP	5	EACH
SERVICE WIRE NO. 6 AWG 1/C	-	LIN FT
GROUND WIRE NO. 8 AWG 1/C	390	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 1/C	50	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 5/C	670	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 7/C	1,320	LIN FT
CONDUIT ELBOW 90° 3"	AS REQ'D	EACH
CONDUIT 3" RGC	500	LIN FT
CONDUIT 2" RGC	-	LIN FT
CONDUIT 1" RGC	-	LIN FT
CONCRETE FOOTING - TRAFFIC SIGNAL POLE	4	EACH
CONCRETE FOOTING - PEDESTRIAN PEDESTAL	-	EACH
CONCRETE CONTROLLER PAD	1	EACH
VIDEO DETECTION UNIT (VANTAGE EDGE MODULE OR APPROVED EQUAL)	4	EACH
VID. DET. CAM. (VANTAGE OZ2), MOUNTING HARDWARE (OR APPROVED EQUAL)	4	EACH
VIDEO CABLE 75 OHM COAXIAL (BELDON #8281 OR APPROVED EQUAL)	640	LIN FT
VIDEO POWER CABLE #16 A.W.G. 3/C	640	LIN FT
OVERHEAD STREET NAME SIGN	4	EACH
R10-10 SIGN (24" X 30")	-	EACH
R10-12 SIGN (24" X 30")	4	EACH

ITEM	QUANT.	UNIT
PAD MOUNTED CABINET	1	EACH
CONTROLLER	CITY	EACH
CONFLICT MONITOR	CITY	EACH
SURGE ARRESTOR - A.C. SERVICE	-	EACH
POLE MOUNTED CABINET	-	EACH
TRAFFIC SIGNAL HEAD	20	EACH
SIGNAL HEAD MOUNTING BRACKET	20	EACH
BACK PLATE 5" 3 SECTION	6	EACH
BACK PLATE 5" 5 SECTION	2	EACH
PED. INDIC. LED (16"x18" COMB. W/ COUNTDOWN)	8	EACH
L.E.D. TRAFFIC SIGNAL LENS	40	EACH
PEDESTRIAN PUSHBUTTON & SIGN	8	EACH
TRAFFIC SIGNAL POLE (20')	4	EACH
TRAFFIC SIGNAL PEDESTAL	4	EACH
TERMINAL BLOCK	8	EACH
JUNCTION BOX	-	EACH
SERVICE BOX	4	EACH
ENTRANCE HEAD	-	EACH
SERVICE ENLCOSURE	-	EACH
CIRCUIT BREAKER, TRAFFIC SIGNAL	1	EACH
CIRCUIT BREAKER, LUMINAIRE	-	EACH
GROUND ROD & CLAMP	9	EACH
SERVICE WIRE NO. 6 AWG 1/C	-	LIN FT
GROUND WIRE NO. 8 AWG 1/C	410	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 1/C	80	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 5/C	430	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 7/C	1,180	LIN FT
CONDUIT ELBOW 90° 3"	AS REQ'D	EACH
CONDUIT 3" RGC	470	LIN FT
CONDUIT 2" RGC	-	LIN FT
CONDUIT 1" RGC	-	LIN FT
CONCRETE FOOTING - TRAFFIC SIGNAL POLE	4	EACH
CONCRETE FOOTING - PEDESTRIAN PEDESTAL	4	EACH
CONCRETE CONTROLLER PAD	1	EACH
VIDEO DETECTION UNIT (VANTAGE EDGE MODULE OR APPROVED EQUAL)	4	EACH
VID. DET. CAM. (VANTAGE OZ2), MOUNTING HARDWARE (OR APPROVED EQUAL)	4	EACH
VIDEO CABLE 75 OHM COAXIAL (BELDON #8281 OR APPROVED EQUAL)	630	LIN FT
VIDEO POWER CABLE #16 A.W.G. 3/C	630	LIN FT
OVERHEAD STREET NAME SIGN	4	EACH
R10-10 SIGN (24" X 30")	-	EACH
R10-12 SIGN (24" X 30")	2	EACH

ITEM	UNIT	QUANTITY
TRAFFIC SIGNAL INSTALLATION, 31ST	L.S.	L.S.
TRAFFIC SIGNAL INSTALLATION, 34TH	L.S.	L.S.

-QUANTITIES FOR INFORMATION ONLY-

3			
2			
1	03/26/2003	Current version	
NO.	DATE	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

TYPE 2070
TRAFFIC SIGNAL QUANTITIES SHEET

FE-130B

DESIGNED: J.F.F./J.F.F. DETAILED: J.F.F. QUANTITIES: TRACED
DESIGN CK: G.J.O./DETAIL CK: G.J.O./QUAN. CK: TRACE CK.

4/29/03 APP'D: Linda G. Voss, P.E.

NOTE :

1. 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.

SENECA STREET
 I-235 TO 31ST STREET
 CITY OF WICHITA, KANSAS
 TRAFFIC SIGNAL QUANTITIES
 TE-130B

POE & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 5940 E. Central, Suite 200 | Wichita, KS
 67208-4242
 Phone: 316.685-4114 | FAX: 316.685-4444

Engineer: P. FERGUSON
 Designer: J. UNRUH
 KDOT Job No.: 87 N-0243-01
 Date: JANUARY 2010
 Job No.: 1794

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