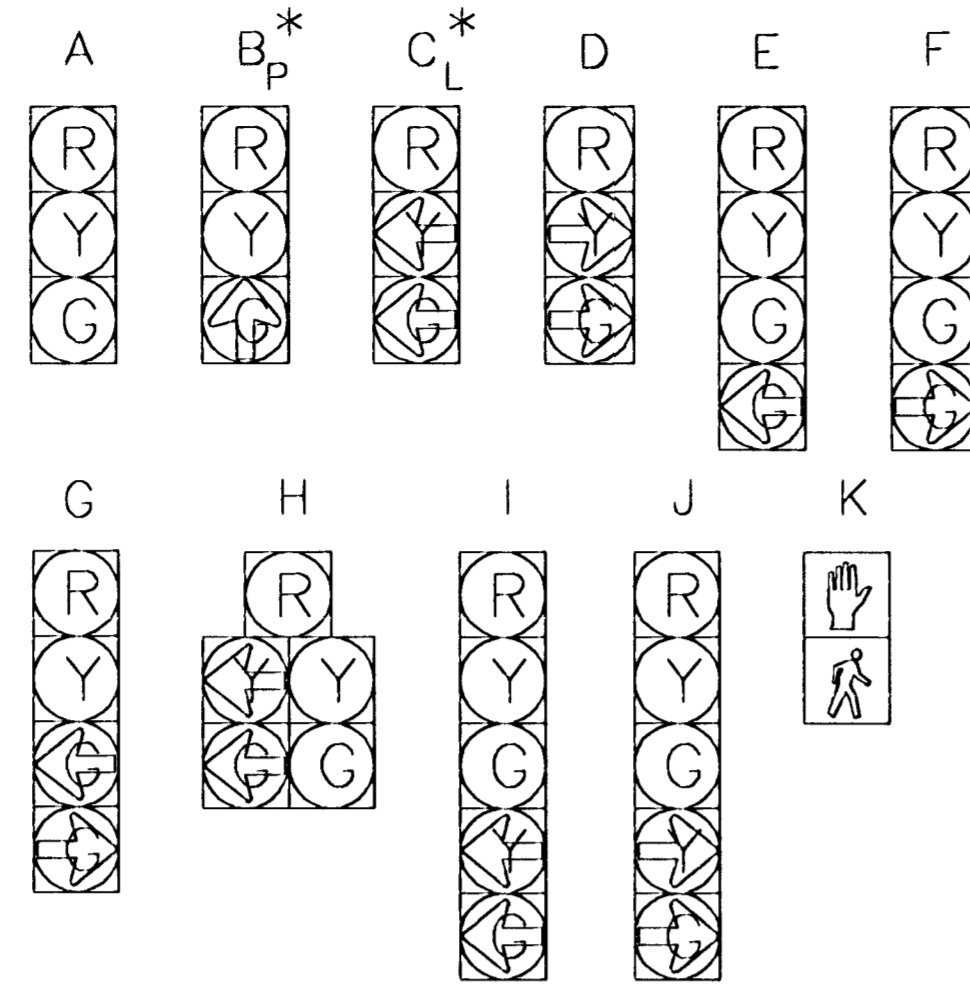


Plotted By : @USER@NAME@hacner, Bloc., 4th Floor
 Plot File : @@@@@@@@@@DGN@SP@C@@@@@@@@@@@@@
 Plot Date : @@@@@@SY@T@M@@@@@

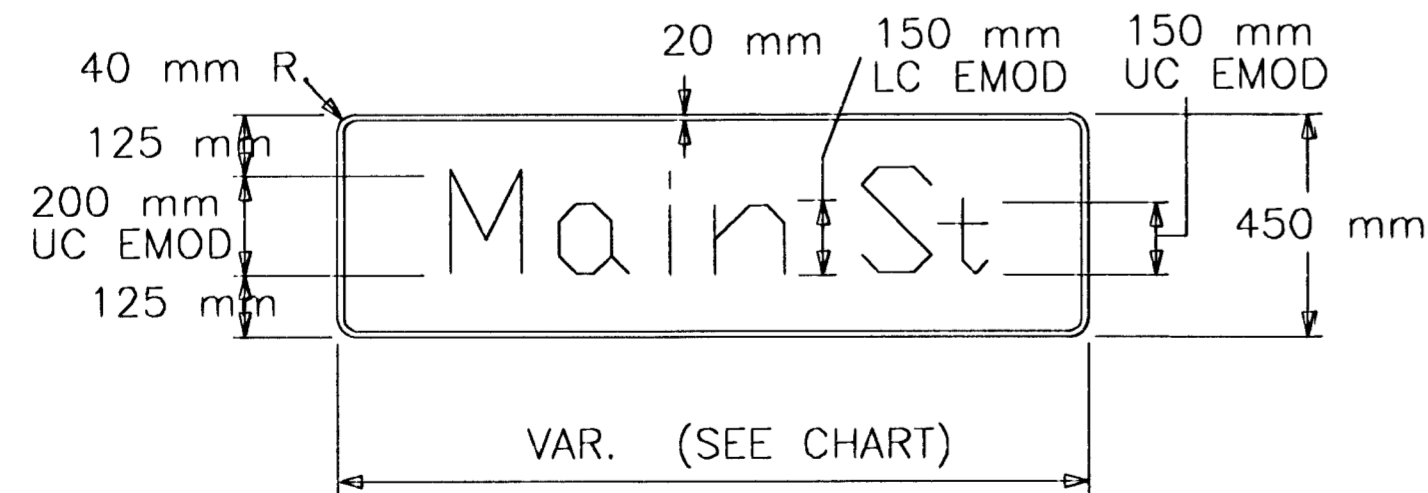
CHART A SIGNAL SUMMARY			
SIGNAL FACE ARRANGEMENT	NO. SECTIONS (PER FACE)	SIGNAL MOUNTING TYPE	QUANTITY
A	3	MAST ARM W/BACKPLATE	6
I	5	MAST ARM W/BACKPLATE	1
A	3	SIDE-OF-POLE	3
K	2	SIDE-OF-POLE	4



**LED RED INDICATIONS ARE TO BE USED.

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	5m	N/A	N/A	N/A	N/A			1
2	8m	12m	5.7m	2	12-7.8			1
3	8m	11m	5.7m	2	11-7			1
4	8m	16m	5.7m	3	16-11.5-8.4			1

CHART C OVERHEAD STREET NAME SIGNS			
SIGN	LEGEND	LENGTH	QUANTITY
B	Rock Rd	1.76m	1
C	32nd St	1.76m	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	QUANT.		UNIT	SPEC. NO.	NOTE
	NEW	REUSED			
BUS INTERFACE LIST	-		EACH		
DETECTOR POWER SUPPLY	-		EACH		
TRAFFIC SIGNAL HEAD	CHART A		EACH		
SIGNAL HEAD MOUNTING BRACKET	CHART A		EACH		
BACK PLATE	CHART A		EACH		
VEHICLE TRAFFIC SIGNAL LAMP	20		EACH		
PEDESTRIAN TRAFFIC SIGNAL LAMP	8		EACH		
RED LED TRAFFIC SIGNAL LAMP	10		EACH		
PEDESTRIAN PUSHBUTTON & SIGN	4		EACH		
TRAFFIC SIGNAL POLE	CHART B		EACH		
TRAFFIC SIGNAL PEDESTAL ALUMINUM	1		EACH		
TERMINAL BLOCK	-		EACH		
JUNCTION BOX	5		EACH		
SERVICE BOX	4		EACH		
LUMINAIRE	-		EACH		
LUMINAIRE LAMP WATT	-		EACH		
PHOTOCELL	-		EACH		
UNFUSED STREET LIGHT CONNECTOR KIT	-		EACH		
FUSED STREET LIGHT CONNECTOR KIT	-		EACH		
OVERHEAD STREET NAME SIGN	CHART C		EACH		
R10-10 SIGN (600 mm X 750 mm)			EACH		
R10-12 SIGN (600 mm X 750 mm)	1		EACH		
BLANK OUT SIGN	-		EACH		
ENTRANCE HEAD	1		EACH		
SERVICE ENCLOSURE, 70 AMP.	1		EACH		
CIRCUIT BREAKER, TRAFFIC SIGNAL, 40 AMP.	1		EACH		
CIRCUIT BREAKER, LUMINAIRE, AMP.	-		EACH		
GROUND ROD & CLAMP	6		EACH		
SERVICE WIRE NO. 6 AWG 1/C	60		METER		
LIGHTING DISTRIBUTION WIRE NO. 8 AWG 1/C	-		METER		
POLE & BRACKET WIRE NO. 10 AWG 1/C	-		METER		
GROUND WIRE NO. 6 AWG 1/C	30		METER		
GROUND WIRE NO. 8 AWG 1/C	100		METER		
MULTI-CONDUCTOR CABLE NO. 14 AWG 5/C	110		METER		
MULTI-CONDUCTOR CABLE NO. 14 AWG 7/C	334.6		METER		
MULTI-CONDUCTOR CABLE NO. 14 AWG 2/C	-		METER		
SHIELDED DETECTOR LEAD-IN CABLE NO. 18 AWG 4/C			METER		
SHIELDED DETECTOR LEAD-IN CABLE NO. 14 AWG 2/C	645		METER		
DETECTOR LOOP WIRE NO. 14 AWG 1/C	980		METER		
LOOP SEALANT	AS REQ'D				
PRE-FORMED LOOP			EACH		
CONDUIT, 19 mm & FITTINGS	65		METER		
CONDUIT, 32 mm & FITTINGS	75		METER		
CONDUIT, 50 mm & FITTINGS (PVC)	5		METER		
CONDUIT, 75 mm & FITTINGS (PVC)	125		METER		
CONDUIT, 100 mm & FITTINGS (PVC)			METER		

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0198-01	2001	28	82

FED. AID NO. - CMQ-N019(801)

BID ITEM TABLE		
LUMP SUM		
ITEM	UNIT	QUANT.
TRAFFIC SIGNAL INSTALLATION	LS	LS

NOTE:
 POLE/MAST ARM CONNECTION SHALL BE ALTERNATIVE FLANGE PLATE DESIGN
 *CONTROLLER UNIT SHALL INCLUDE:
 •MODEL 170 E CONTROLLER UNIT COMPLETE WITH W4IKS (VERSION 56 ON 4128 MEMORY MODULE; 400 MODEM
 •ONE MODEL 332 CABINET (MEETING CITY OF WICHITA SPECIFICATIONS) COMPLETE WITH ALL ACCESSORIES INCLUDING:
 •1-MODEL 210PC CONFLICT MONITOR (ECC OR MS)
 •3-MODEL 242 TWO CHANNEL ISOLATORS
 •4-MODEL 430 TRANSFER RELAYS
 •2-MODEL 204 FLASHER UNITS
 •10-MODEL 200 SWITCH PACKS
 •12-CB22 TWO CHANNEL LOOP DETECTOR UNITS

ROCK ROAD & 32nd STREET
 -QUANTITIES FOR INFORMATION ONLY-

3			
2			
1			
NO.	DATE	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

NEMA SYSTEM
 TRAFFIC SIGNAL QUANTITIES SHEET

TE130AS+ 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.