

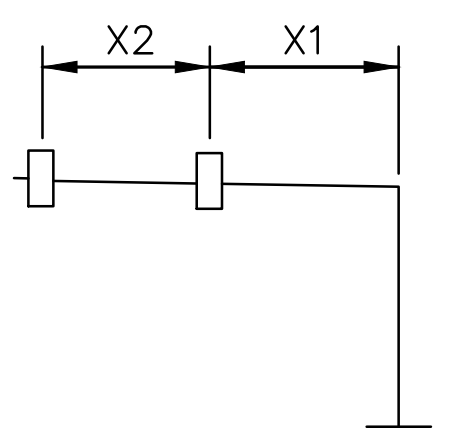
POLE WIRING DIAGRAMS

BILL OF MATERIALS (FOR INFORMATION ONLY)		
ITEM	QUANT.	UNIT
CONTROLLER UNIT	CITY	EACH
PROGRAM MODULE	-	EACH
CONFLICT MONITOR	CITY	EACH
SURGE ARRESTOR - A.C. SERVICE	1	EACH
POLE MOUNTED CABINET	1	EACH
PAD MOUNTED CABINET	-	EACH
TRAFFIC SIGNAL HEAD	8	EACH
SIGNAL HEAD MOUNTING BRACKET	8	EACH
BACK PLATE 5" 3 SECTION	4	EACH
PED. INDICATIONS LED (16"x18" COMB. W/COUNTDOWN)	2	EACH
L.E.D. TRAFFIC SIGNAL LENS	18	EACH
PEDESTRIAN PUSHBUTTON & SIGN	2	EACH
TRAFFIC SIGNAL POLE	2	EACH
TERMINAL BLOCK	2	EACH
JUNCTION BOX	-	EACH
SERVICE BOX	2	EACH
ENTRANCE HEAD	-	EACH
SERVICE ENCLOSURE		EACH
CIRCUIT BREAKER, TRAFFIC SIGNAL	1	EACH
CIRCUIT BREAKER, LUMINAIRE	-	EACH
GROUND ROD & CLAMP	3	EACH
SERVICE WIRE NO. 6 AWG 1/C	AS REQ'D	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 5/C	220	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 7/C	210	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 1/C	25	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 1/C	100	LIN FT
CONDUIT ELBOW 90°3"	AS REQ'D	EACH
CONDUIT 3" RGC	104	LIN.FT.
CONDUIT 2" RGC	-	LIN.FT.
CONDUIT 1" RGC	AS REQ'D	LIN.FT.

TRAFFIC SIGNAL POLE SUMMARY											
POLE NO.	TYPE①	ARM LENGTH	NO. OF SIGNALS ON ARM	BRACKET TYPE	X1	X2	X3	NO. OF SIGNALS ON POLE	BRACKET TYPE	NO. OF PUSH BUTTONS ON POLE	REMARKS
1	B	27	2	I	15	11	N/A	2	I & III	1	
2	B	27	2	I	15	11	N/A	2	I & III	1	

- ① A-15' Pedestal (Alum.)
- B-20' Steel with Mast Arm(s)
- C-35' Steel (Joint Use) with Mast Arm(s)
- D-40' Steel with Mast Arm

CHART A SUMMARY OF TRAFFIC SIGNAL HEADS			
NUMBER	TYPE		QUANTITY
1	N/A	N/A	N/A
2	A	MAST ARM W/BACKPLATE	2
2A	A	SIDE-OF-POLE	1
3	N/A	N/A	N/A
4	N/A	N/A	N/A
4A	K	SIDE-OF-POLE	2
5	N/A	N/A	N/A
6	A	MAST ARM W/BACKPLATE	2
6A	A	SIDE-OF-POLE	1
6A	N/A	N/A	N/A
7	N/A	N/A	N/A
8	N/A	N/A	N/A
8A	N/A	N/A	N/A
TOTAL			8



RECAPITULATION OF TRAFFIC SIGNAL QUANTITIES		
ITEM	UNIT	QUANTITY
TRAFFIC SIGNAL INSTALLATION (Central Ave. at Kapaun)	LUMP SUM	LUMP SUM
	1	1

QUANTITIES FOR INFORMATION ONLY

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 the complete operation of the traffic signal system whether specifically mentioned or not.

NOTE: City of Wichita will provide controller; conflict monitor.

NOTE: The contractor shall supply and install all necessary materials and equipment for the complete installation and operation of the traffic signal system whether specifically mentioned or not.

CITY OF WICHITA  
TRAFFIC SIGNAL WIRING PLAN

CENTRAL AVENUE  
 ROCK ROAD TO WEBB ROAD  
 TRAFFIC SIGNAL WIRING PLAN  
 CITY OF WICHITA, KANSAS  
 JAMES L. ARMOUR, P.E. - CITY ENGINEER

POE & ASSOCIATES, INC.  
 CONSULTING ENGINEERS  
 5940 E. Central, Suite 200 • Wichita, KS 67208-4242  
 Phone 316/685-4114 • FAX 316/685-4444

P. FERGUSON  
 Designer: P. FERGUSON/M. TUCKER  
 Pce Job No.: 1972  
 Date: MARCH 2011

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