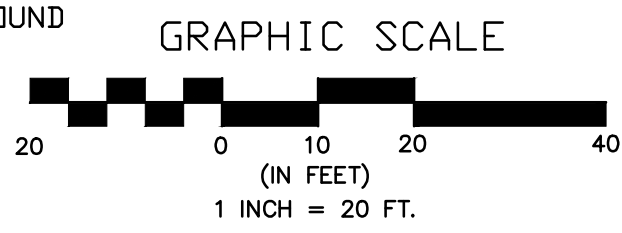


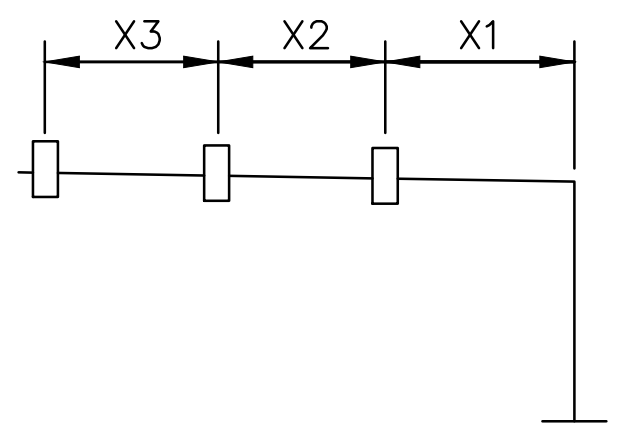
- ≡ #8AWG Equipment Ground (Green)
 - ⊕ Power Supply
 - V3 Video Power Cable
 - CX Video Coax Cable
 - △ Signal Pole Reference Number
- All splices to be in pole base, no splices permitted within service box.



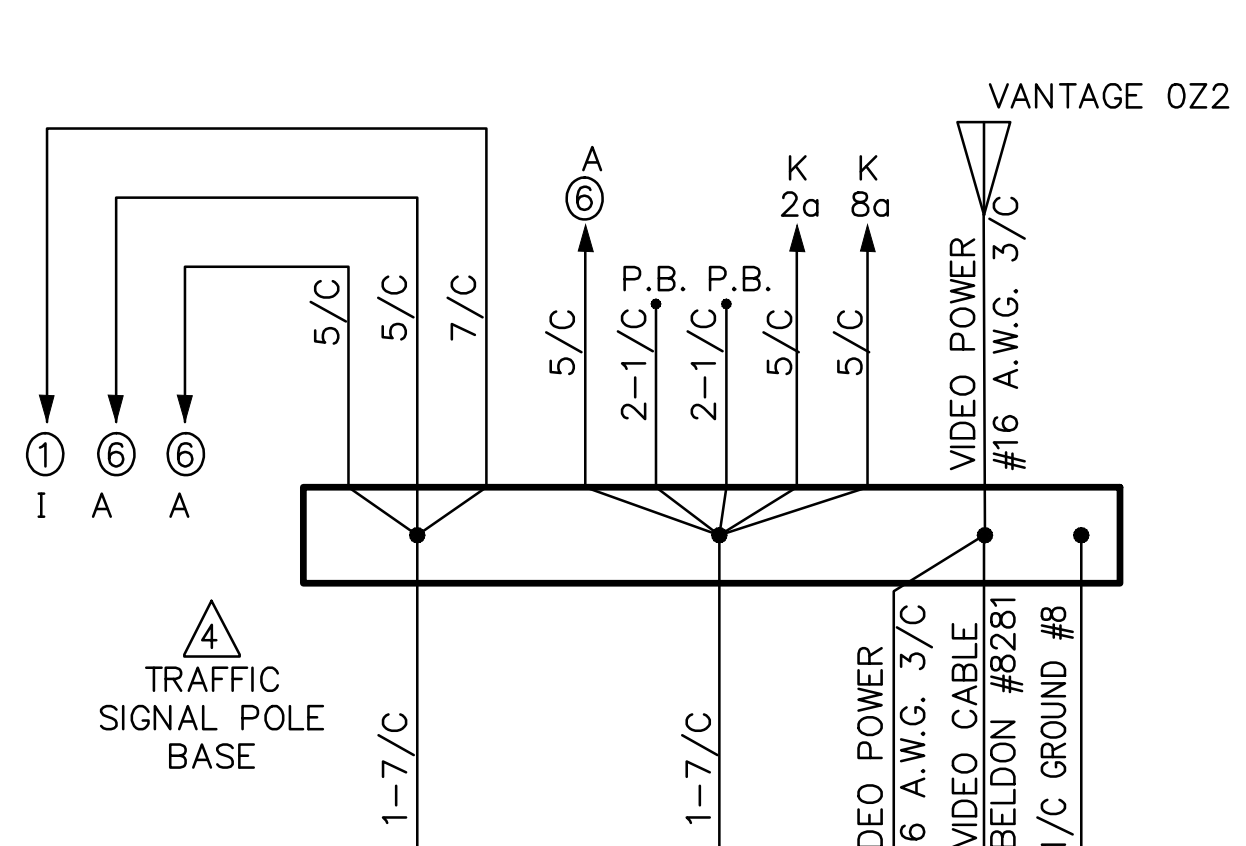
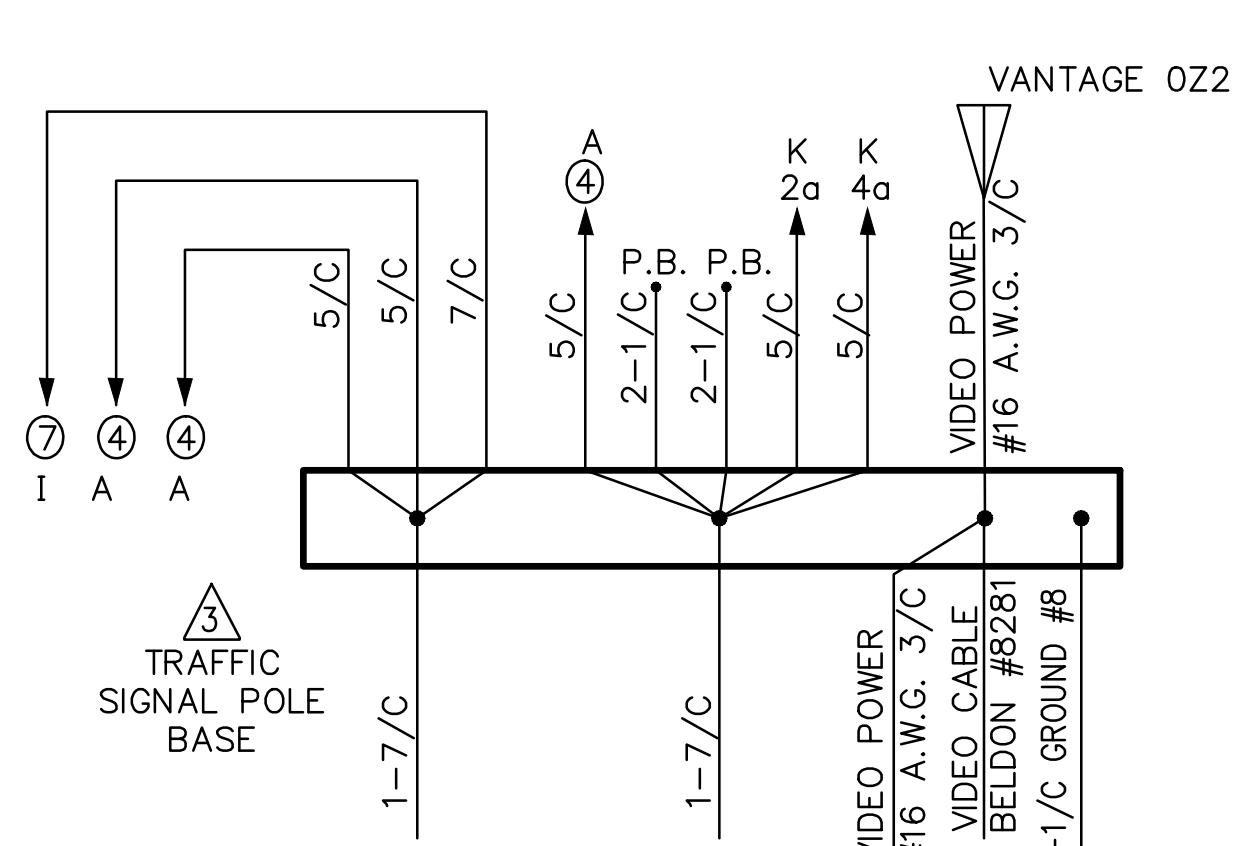
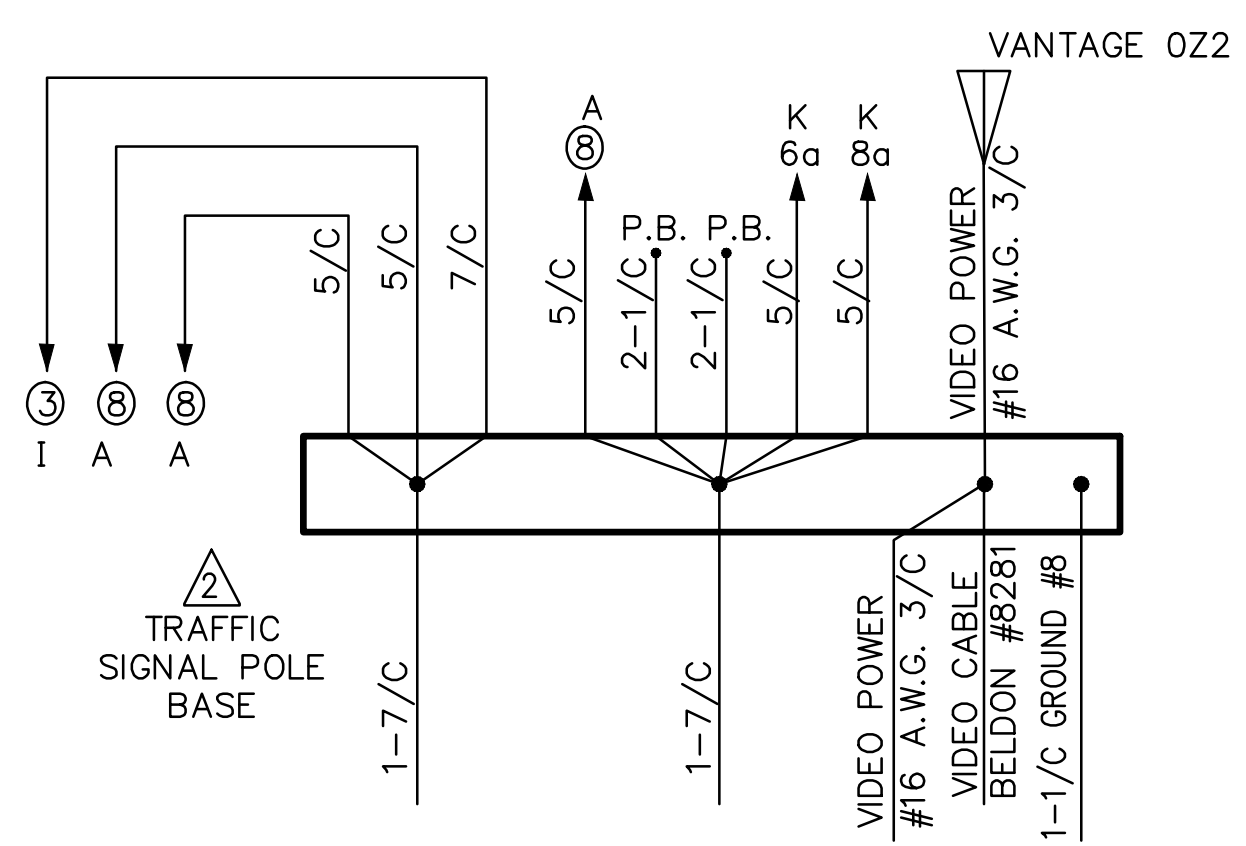
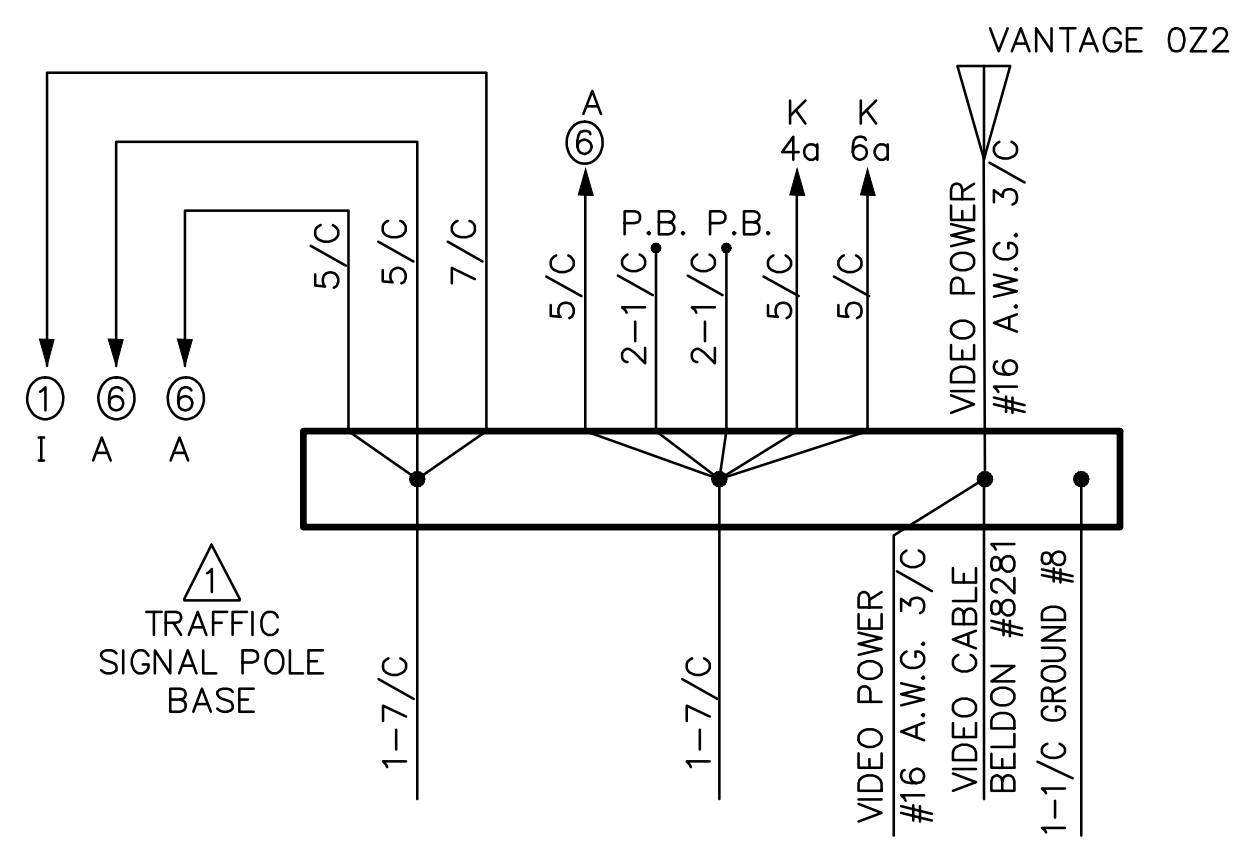
POLE NO.	TYPE ^①	ARM LENGTH	NO. OF SIGNALS ON ARM	BRACKET TYPE	X1	X2	X3	NO. OF SIGNALS ON POLE	BRACKET TYPE	NO. OF PUSH BUTTONS ON POLE	REMARKS
1	B	53	3	I	28	11	8	3	II & III	2	
2	B	53	3	I	28	11	8	3	II & III	2	
3	B	53	3	I	28	11	8	3	II & III	2	
4	B	53	3	I	28	11	8	3	II & III	2	

- 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

NUMBER	TYPE	QUANTITY
1	I	1
2	A	3
2A	K	2
3	I	1
4	A	3
4A	K	2
5	I	1
6	A	3
6A	K	2
7	I	1
8	A	3
8A	K	2
TOTAL		24



ITEM	UNIT	QUANTITY
TRAFFIC SIGNAL INSTALLATION (Seneca St. & 31st St.)	LUMP SUM	LUMP SUM
	1	1



POLE WIRING DIAGRAMS

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.

Top Coat Finish for Traffic Signal Poles & Controller Cabinet

All visually exposed exterior surfaces shall be coated with a urethane or triglycidyl isocyanurate (TGIC) polyester powder to a minimum dry film thickness (DFT) of 2.0 mils. Prior to application of the top coat, the surface shall be mechanically etched and pre-heated to 450 degrees F for a minimum of one hour. The coating shall be electro-statically applied and cured at a minimum temperature of 400 degrees F. The finished color for the poles shall be black.

Special Finish for Traffic Signal Equipment

The traffic signal, mounting brackets, signal head backs, sign backs, meter box, disconnect box, and miscellaneous hardware shall be shop painted with an aerosol lacquer cellulose ester to match the traffic signal pole color. The Contractor shall submit two copies of the proposed coating system to the Engineer for approval prior to application. In addition to the requirements stipulated in the Standard Specifications, banding material shall be coated with ethylene-vinyl-alcohol (EVA) copolymer. The color shall be black.

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.

The Contractor shall secure, furnish, and install traffic signal poles that have been pre-ordered for this project from Valmont. The Contractor shall contact Gades Sales Co. @ 943-1219 % Graham Montgomery for additional information regarding the cost and delivery date for poles prior to submitting his bid. All costs associated with the procurement and installation of traffic signal poles shall be considered subsidiary to "Traffic Signal Installation".

TRAFFIC SIGNAL PLAN WIRING PLAN

SENeca STREET 1-235 TO 31ST STREET CITY OF WICHITA, KANSAS TRAFFIC SIGNAL WIRING PLAN 31ST STREET SOUTH & SENeca STREET	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 Sheet: 84 of 169
			Date: JANUARY 2010