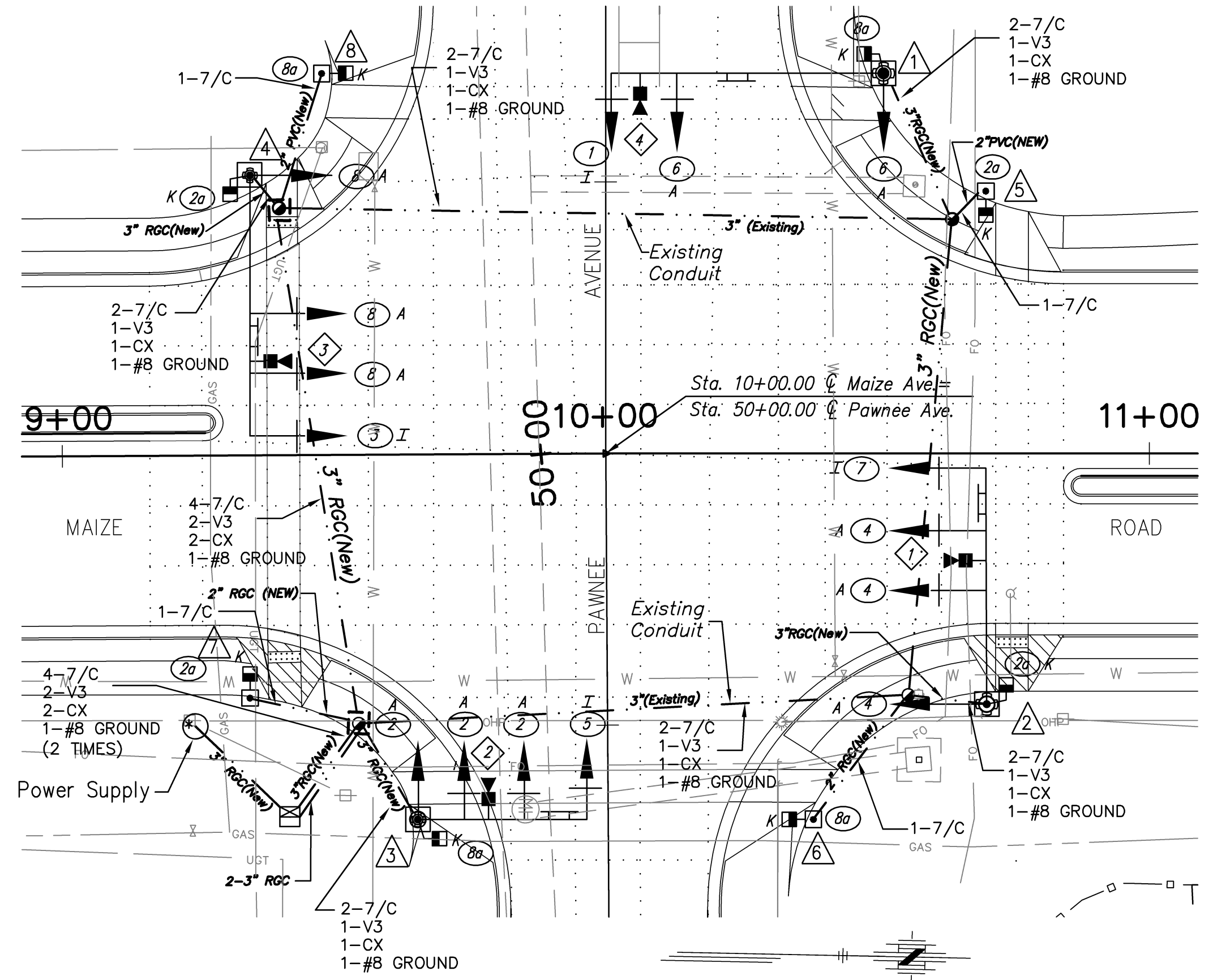


FHWA REG. NO.	STATE	PROJECT NO.:	YEAR	SHEET NUMBER	TOTAL SHEETS
7	KANSAS	87 N-0502-01	2009	89	226
A.R.R.A-N050(201)					

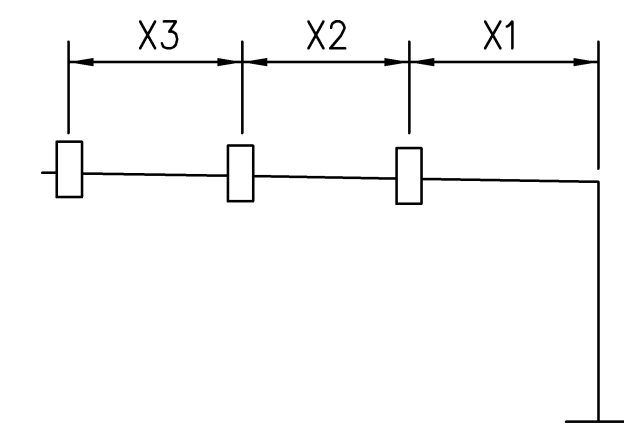


- ≠ #8AWG Equipment Ground (Green)
 - ⊙ Power Supply
 - V3 Video Power Cable
 - CX Video Coax Cable
 - ⚠ Signal Pole Reference Number
- All splices to be in pole base, no splices permitted within service box.
- | | |
|----------|------------|
| Maize Rd | Pole 1 & 3 |
| Pawnee | Pole 2 & 4 |
- Street Name Sign Legends
use 6" series EM lettering
8" Uppercase
6" Lowercase

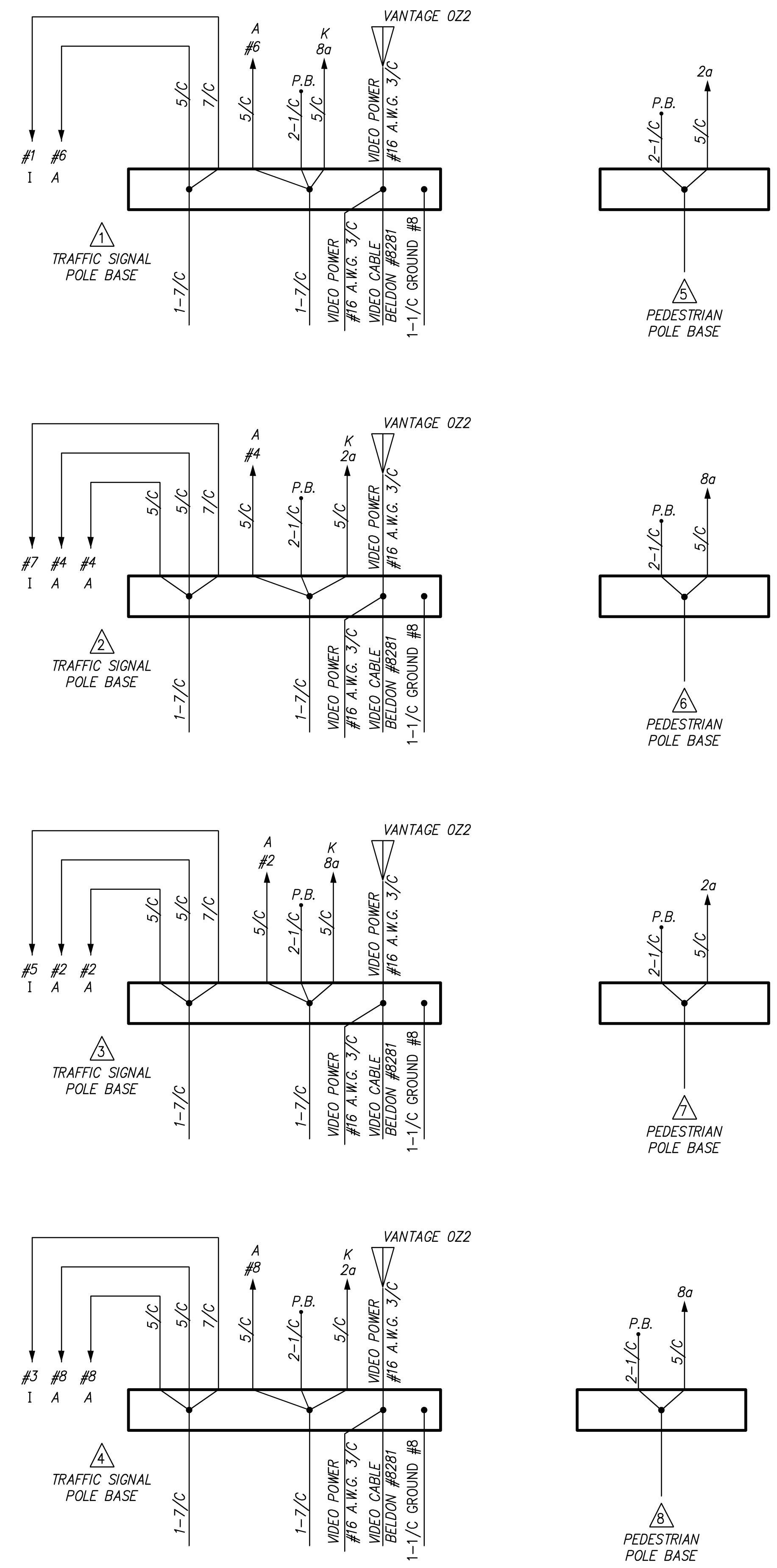
TRAFFIC SIGNAL POLE SUMMARY											
POLE NO.	TYPE ①	ARM LENGTH	NO. OF SIGNALS ON ARM	BRACKET TYPE	X1	X2	X3	NO. OF SIGNALS ON POLE	BRACKET TYPE	NO. OF PUSH BUTTONS ON POLE	REMARKS
1	B	52	2	I	38	12	-	2	II & III	1	
2	B	46	3	I	21	11	11.5	2	II & III	1	
3	B	32	3	I	12.5	11	11.5	2	II & III	1	
4	B	50	3	I	25	11	11.5	2	II & III	1	
5	A	---	---	---	---	---	---	1	III	1	
6	A	---	---	---	---	---	---	1	III	1	
7	A	---	---	---	---	---	---	1	III	1	
8	A	---	---	---	---	---	---	1	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

SUMMARY OF TRAFFIC SIGNAL HEADS			
NUMBER	TYPE	SIZE	QUANTITY
1	I	12"	1
2	A	12"	3
2A	K	76"x18"	4
3	I	12"	1
4	A	12"	3
5	I	12"	1
6	A	12"	2
7	I	12"	1
8	A	12"	3
8A	K	76"x18"	4
TOTAL			23



RECAPITULATION OF TRAFFIC SIGNAL QUANTITIES		
ITEM	UNIT	QUANTITY
TRAFFIC SIGNAL INSTALLATION (Maize Rd. & Pawnee Ave)	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:

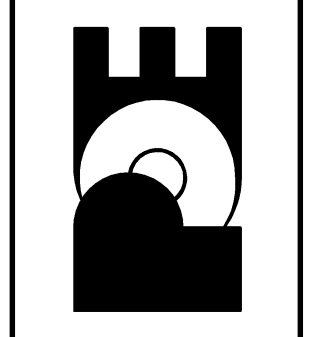
The contractor shall supply and install all necessary materials and equipment for the complete installation and operation of the traffic signal system whether specifically mentioned or not.

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".

No.	Date	By	Approved	Revision

MAIZE ROAD
 WEST KELLOGG AVE. TO PAWNEE AVE.
CITY OF WICHITA, KANSAS
 WIRING DIAGRAMS

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



FINAL
 Engineer: P. FERGUSON
 Designer: K. WARREN
 KDOT Job No.: 87 N-0502-01
 Date: SEPTEMBER, 2009
 Sheet 89 of 226