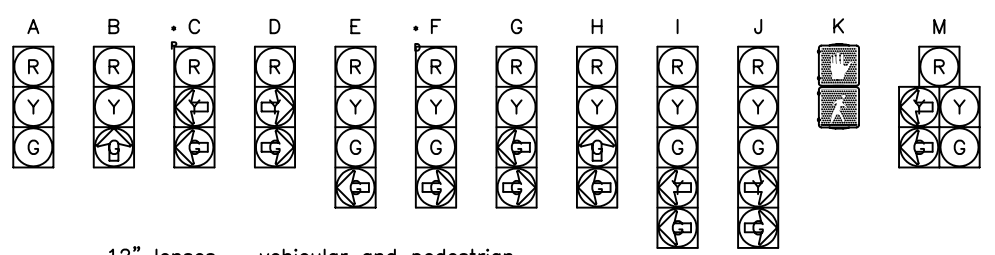


NOTE:  
#6 bare copper shall be run between strain wires & connected to #8 AWG green equipment ground at each pole & from Strain wire to ground at pole #3.

Top Coat Finish for Traffic Signal 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 the 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 and approved by the Engineer prior to application on the basis of color chip submittals.

CHART D STREET NAME SIGN SUMMARY	
LEGEND	SIZE



12" lenses - vehicular and pedestrian

### SUMMARY OF TRAFFIC SIGNAL HEADS

NUMBER	TYPE	SIZE	QUANTITY
2,4,6,8	A	12"	8
1,5	M	12"	2

### SUMMARY OF PAVEMENT MARKINGS

ITEM	UNIT	QUANTITY
24" WHITE (THERMO-PLASTIC) STOP BAR	LIN. FT.	175

### RECAPULATION OF TRAFFIC SIGNAL QUANTITIES

ITEM	UNIT	QUANTITY
	LUMP SUM	LUMP SUM
TRAFFIC SIGNAL INSTALLATION (21st & FOUNDERS CIRCLE)	1	1

- Quantities For Information Only -

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

\* City Will Supply

### BILL OF MATERIALS

ITEM	UNIT	QUANT.
PAD MOUNTED CONTROLLER & CABINET *	EACH	-
TRAFFIC SIGNAL HEAD W/ MOUNTING HARDWARE	EACH	-
TRAFFIC SIGNAL POLE STEEL ( 20' )	EACH	-
TRAFFIC SIGNAL POLE ( JOINT USE ) STEEL ( 35' )	EACH	-
TRAFFIC SIGNAL PEDESTAL ( 15' )	EACH	-
45' WOOD POLE	EACH	3
CONCRETE CONTROLLER PAD	EACH	1
CONCRETE FOOTING - PEDESTAL	EACH	-
CONCRETE FOOTING - POLE	EACH	-
CONDUIT ELBOW 90 2"	EACH	AS REQ'D
CONDUIT ELBOW 90 3"	EACH	AS REQ'D
BACK PLATE 5" 3 SECTION	EACH	7
BACK PLATE 5" 5 SECTION	EACH	2
10' LUMIAIRE ARM	EACH	4
TERMINAL BLOCK	EACH	-
SERVICE BOX	EACH	1
JUNCTION BOX (PRE- FAB)	EACH	-
GROUND ROD & CLAMP	EACH	5
PEDESTRIAN INDICATIONS LED ( 12" COMBINATION )	EACH	-
TRAFFIC SIGNAL HEADS (LED LENS)	EACH	34
ENTRANCE HEAD	EACH	2
CIRCUIT BREAKER & BOX 50 AMP	EACH	1
SURGE ARRESTOR - A.C. SERVICE	EACH	1
SURGE ARRESTOR - DETECTOR	EACH	-
GUY ANCHORS	EACH	8
7/16" STRAIN WIRE	LIN. FT.	397
5/16" TETHER WIRE	LIN. FT.	397
PEDESTRIAN PUSHBUTTON W/SIGN	EACH	-
6 PAIR COMMUNICATION CABLE	LIN. FT.	-
DETECTOR LOOP WIRE NO. 14 A.W.G 1/c	LIN. FT.	-
LEAD-IN WIRE NO. 6 A.W.G. 1/c	LIN. FT.	160
MULTI-CONDUCTOR CABLE NO. 14 A.W.G. 7/c	LIN. FT.	-
MULTI-CONDUCTOR CABLE NO. 14 A.W.G. 5/c	LIN. FT.	500
MULTI-CONDUCTOR CABLE NO. 14 A.W.G. 3/c	LIN. FT.	-
SHIELDED DETECTOR LEAD-IN NO. 14 A.W.G. 2/c	LIN. FT.	-
CONDUIT 1" (PVC)	LIN. FT.	-
CONDUIT 1 1/2" (RGC)	LIN. FT.	51
CONDUIT 2" (PVC)	LIN. FT.	-
CONDUIT 2" (RGC)	LIN. FT.	40
CONDUIT 3" (RGC)	LIN. FT.	40
#8 AWG GROUND (GREEN)	LIN. FT.	500
STREET NAME SIGNS W/ MOUNTING HARDWARE	EACH	-
R10-12 SIGN	EACH	2
VIDEO DETECTION CAMERA ( VANTAGE 022 ), MOUNTING HARDWARE	EACH	4
VIDEO DETECTION UNIT (VANTAGE EDGE MODULE)	EACH	4
VIDEO POWER CABLE #16 A.W.G. 3/C	LIN. FT.	500
VIDEO CABLE 75 OHM COAXIAL(BELDON #8281 OR APPROVED EQUAL)	LIN. FT.	500
TV MONITOR	EACH	1
ITERIS LENS ADJUSTMENT UNIT	EACH	-
VIDEO SYSTEM PROGRAMMING UNIT	EACH	-

CITY OF WICHITA  
PUBLIC WORKS  
ENGINEERING

PROJECT DESCRIPTION  
**TRAFFIC SIGNAL WIRING AND QUANTITIES**

PROJECT NUMBER  
**472-84402**

INDEX NUMBER  
**706911**

APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

REVISION BY: A.S.  
DATE: MARCH 2006

CITY OF WICHITA  
DEPARTMENT OF PUBLIC WORKS

DIVISION OF TRAFFIC ENGINEERING  
PAUL GUNZELMAN, P.E. TRAFFIC ENGINEER

SCALE  
NO SCALE