

CHART A SIGNAL SUMMARY

NO. WAYS	NO. SECTIONS (per face)	SIGNAL FACE ARRANGEMENT	MOUNTING TYPE	QUANTITY
1	4	F	Mast Arm	1

CHART B TRAFFIC SIGNAL POLES

STATION	ARM SIZE	NO. OF SIGNALS ON ARM	SIGNAL SPACING

SERVICE BOX SUMMARY

STATION	DIST.-SIDE
101+59	47' Lt.

JUNCTION BOX SUMMARY

STATION	DIST.-SIDE

CHART C

CONDUIT	TRENCHED	PUSHED
3/4"		
1 1/2"	16'	
2"	87'	
3"	52'	

BILL OF MATERIALS

ITEM	UNIT	QUANT.
2070 CONTROLLER	EACH	City
PEDESTAL MOUNTED CONTROLLER & CABINET	EACH	-
PAD MOUNTED CABINET	EACH	2
TRAFFIC SIGNAL HEAD (SEE CHART A) W/ MOUNTING HARDWARE	EACH	1
TRAFFIC SIGNAL POLE (SEE CHART B) STEEL	EACH	-
TRAFFIC SIGNAL POLE (SEE CHART B) ALUMINUM	EACH	-
PEDESTRIAN PEDESTAL ALUMINUM 15'	EACH	-
CONCRETE CONTROLLER PAD	EACH	2
CONCRETE FOOTING - PEDESTAL	EACH	-
CONCRETE FOOTING - POLE	EACH	-
CONDUIT ELBOW 90 2"	EACH	As Required
CONDUIT ELBOW 90 3"	EACH	As Required
BACK PLATE 5" 3 SECTION	EACH	-
BACK PLATE 5" 4 SECTION	EACH	-
BACK PLATE 5" 5 SECTION	EACH	-
TERMINAL BLOCK	EACH	-
SERVICE BOX	EACH	1
JUNCTION BOX	EACH	-
GROUND ROD & CLAMP	EACH	2
CONDUIT CLAMP	EACH	-
TRAFFIC SIGNAL LAMP LED	EACH	-
TRAFFIC SIGNAL LAMP LED	EACH	-
CLASS 4, WOOD POLE	EACH	-
ENTRANCE HEAD	EACH	-
CIRCUIT BREAKER & BOX 20 AMP	EACH	-
GUY WIRE GUARD	EACH	-
GUY WIRE CLAMP	EACH	-
THIMBLE EYE ANCHOR ROD	EACH	-
5' ASTRO BRACKET	EACH	-
PEDESTRIAN PUSHBUTTON W/SIGN	EACH	-
PEDESTRIAN INDICATOR HEAD	EACH	-
VIDEO COMM./POWER CABLE (BELDEN 9556 OR APP. EQUAL)	LIN. FT.	-
COMMUNICATION CABLE 6 PAIR NO. 19 A.W.G.	LIN. FT.	-
DETECTOR LOOP WIRE NO. 14 A.W.G 1/c (TYPE THHN)	LIN. FT.	-
LEAD-IN WIRE NO. 6 A.W.G. 1/c (TYPE THHN)	LIN. FT.	-
MULTI-CONDUCTOR CABLC NO. 14 A.W.G. 5/c	LIN. FT.	-
MULTI-CONDUCTOR CABLE NO. 14 A.W.G. 7/c	LIN. FT.	-
MULTI-CONDUCTOR CABLE NO. 14 A.W.G. 2/c	LIN. FT.	-
SHIELDED DETECTOR LEAD-IN NO. 16 A.W.G. 2/c	LIN. FT.	-
CONDUIT 3/4"	SEE CHART C	LIN. FT. -
CONDUIT 1"	SEE CHART C	LIN. FT. -
CONDUIT 1-1/2"	SEE CHART C	LIN. FT. 16'
CONDUIT 2"		LIN. FT. 87'
CONDUIT 3"	SEE CHART C	LIN. FT. 52'
STANDARD IC #8 (GROUND)	LIN. FT.	-
TETHER WIRE 1/4" ASTM A475 Siemens-Martin Grade Min.	LIN. FT.	-
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT **	L. S.	1
STREET NAME SIGNS - SEE CHART D	EACH	-
LEFT TURN YIELD ON GREEN W/ MOUNTING HARDWARE (R10-12)	EACH	-
LIGHTING DISTRIBUTION CABLE NO. 10 A.W.G. 2/c	LIN. FT.	-

PRELIMINARY TIMINGS

Interval	Phase							
	1	2	3	4	5	6	7	8
Walk								
Flash Don't Walk								
Minimum								
Extension								
Max. Extension								
Yellow								
Red Clear								

TRAFFIC SIGNAL INSTALLATION

BID ITEM	QUANTITY	UNIT
TRAFFIC SIGNAL INSTALLATION	LUMP SUM	LUMP SUM
VIDEO DETECTION SYSTEM		

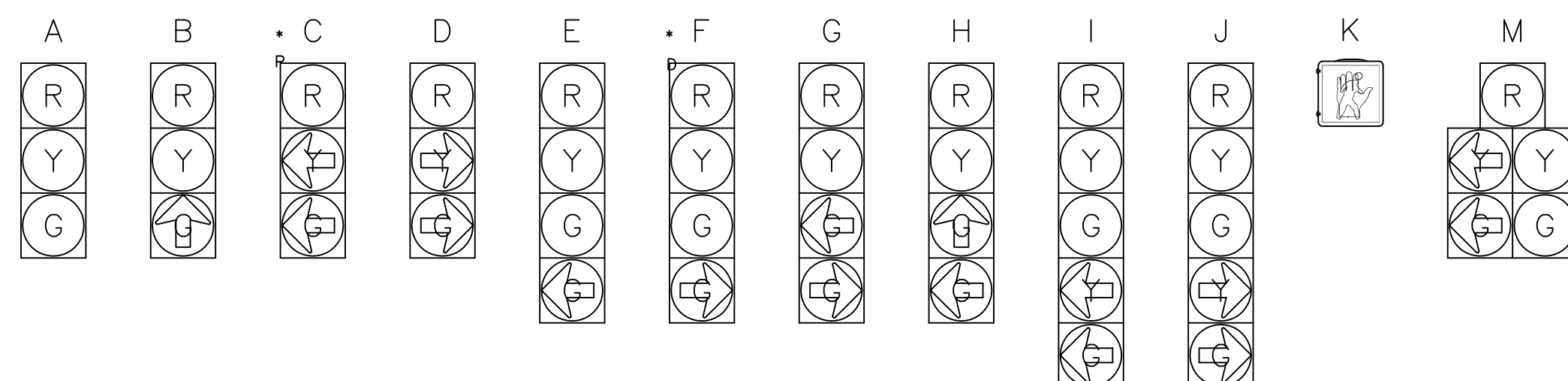
LOOP OPERATION CHART

Camera No. (Pole #)	Detection Zone	Mode	Size (ft)	Phase Called	Phase Extended	Delay/Stretch Timer	Initial Setting (sec.)
2	65A	P	6x6	6	6	Stretch	1.0
6	65	P	6x50	6	6		

P = Presence

CHART D STREET NAME SIGN SUMMARY

NO.	LEGEND	SIZE



- Quantities For Information Only -

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.

* Subscript "P" indicates programmed signals. Subscript "D" indicates dual-mode green/yellow arrow section.

** Removal of existing traffic signal equipment shall include removal of foundations, service boxes, and junction boxes. See construction traffic control regarding removal of existing signals.

12" lenses - vehicular and pedestrian

REVISED

SEAL:

Cook, Flatt & Strobel
ENGINEERS, P.A.
CFS

PROJECT NO: 08-6270

CITY OF WICHITA, KANSAS
WOODLAWN ROAD
KELLOGG TO WILLOWBROOK

DESIGNED BY: -- DRAWN BY: -- CHECKED BY: --
DATE: FEB. 2012

SHEET TITLE:

SIGNAL QUANTITIES

PROJECT NUMBER 472-84911

FINAL PLANS

SHEET NUMBER:

19 of 36