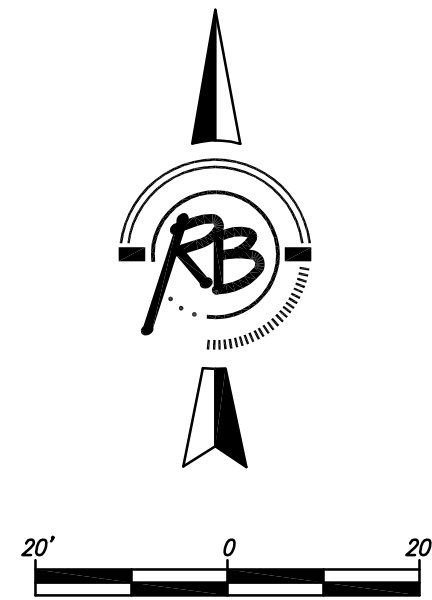
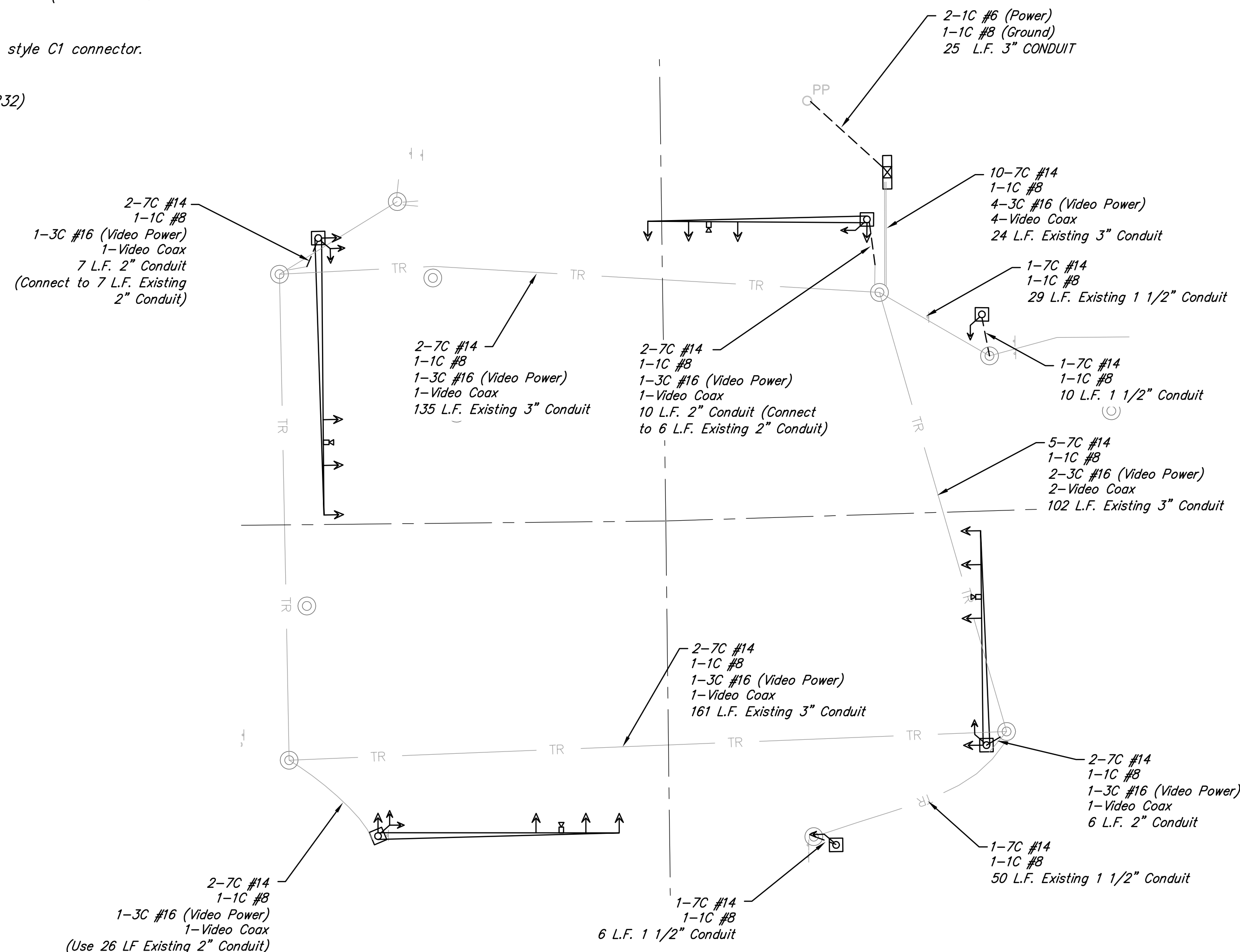


## EQUIPMENT SPECIFICATIONS 2070 CONTROLLER

A. Controller Units: The 2070L controllers supplied shall meet requirements outlined in CalTrans TEES 2002 (latest revision), and the following requirements:

1. The 2070L controllers shall have a 19" EIA rack mountable chassis (mated to the 170 cabinet). Controllers shall be Eagle or Econolite
2. 2070-1B CPU module with RJ-45 Ethernet port.
3. 2070-2A C1 field I/O module for compatibility with CalTrans style C1 connector.
4. 2070-3B 8X40 front panel with LCD display.
5. 2070-4A 10 amp power supply
6. 2070-7A asynchronous serial communications module (RS-232)
7. Any unused slot position shall have a cover plate.



**WIRING DIAGRAM**

**NOTES:**

ALL TRAFFIC SIGNAL EQUIPMENT AND WIRING SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA SPECIFICATIONS.

TRAFFIC SIGNAL EQUIPMENT (POLES, PEDESTALS & CABINET) SHALL BE BLACK PER CITY OF WICHITA SPECIFICATIONS.

COST FOR CONNECTING INTO EXISTING SERVICE BOXES AND CONDUITS IS INCIDENTAL TO THE LUMP SUM BID ITEM FOR TRAFFIC SIGNALS.

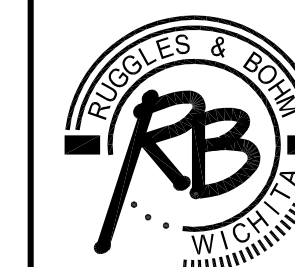
### MATERIALS TABLE

ITEM	UNIT	QUANTITY
CONCRETE CONTROLLER PAD	EA.	1
CONCRETE FOOTING - POLE	EA.	6
TRAFFIC SIGNAL POLE	EA.	2
TRAFFIC SIGNAL POLE (JOINT USE)	EA.	2
PEDESTRIAN SIGNAL PEDESTAL (15')	EA.	2
REMOVE EXISTING JUNCTION BOX	EA.	1
GROUND ROD & CLAMP	EA.	7
TRAFFIC SIGNAL MAST ARM (62')	EA.	1
TRAFFIC SIGNAL MAST ARM (54')	EA.	1
TRAFFIC SIGNAL MAST ARM (50')	EA.	1
TRAFFIC SIGNAL MAST ARM (48')	EA.	1
TRAFFIC SIGNAL HEAD - 12" (TYPE A) W/MOUNTING BRACKET	EA.	12
TRAFFIC SIGNAL HEAD - 12" (TYPE I) W/MOUNTING BRACKET	EA.	4
PEDESTRIAN SIGNAL - 12" (TYPE K) W/MOUNTING BRACKET	EA.	8
PEDESTRIAN PUSHBUTTON W/SIGN	EA.	8
L.E.D. UNIT	EA.	64
ENTRANCE HEAD	EA.	1
CIRCUIT BREAKER & BOX	EA.	1
BACK PLATE FOR SIGNAL HEAD (TYPE A)	EA.	8
BACK PLATE FOR SIGNAL HEAD (TYPE I)	EA.	4
PAD MOUNTED CABINET & CONTROLLER SYSTEM-TYPE 2070 (SEE NOTE)		
MODEL 2070 CONTROLLER	EA.	CITY
MODEL 332 CABINET W/ALL ACCESSORIES	EA.	1
MODEL 430 TRANSFER RELAYS	EA.	1
MODEL 204 FLASHER UNIT	EA.	6
SURGE PROTECTOR	EA.	2
MODEL 242 TWO CHANNEL ISOLATOR	EA.	1
MODEL 200 SWITCH PACK	EA.	1
MULTI-CONDUCTOR CABLE NO. 14 AWG 2/c (Pedestrian Pushbuttons)	LF	54
MULTI-CONDUCTOR CABLE NO. 14 AWG 5/c	LF	661
MULTI-CONDUCTOR CABLE NO. 14 AWG 7/c	LF	2039
STANDARD NO. 8 AWG 1/c (TYPE THHN) (GROUND)	LF	663
STANDARD NO. 6 AWG 1/c (TYPE THHN) (POWER)	LF	64
CONDUIT 3"	LF	25
CONDUIT 2"	LF	23
CONDUIT 1 1/2"	LF	16
STREET NAME SIGN W/MOUNTING HARDWARE	EA.	4
CAMERA HOUSING	EA.	4
VIDEO DETECTION CAMERA AND MOUNTING HARDWARE (RISER BRACKET)	EA.	4
VIDEO DETECTION PROCESSOR UNIT	EA.	1
VIDEO POWER CABLE NO. 16 AWG 3/c	LF	970
VIDEO CABLE 75 OHM COAXIAL (BELDON #8281)	LF	970
T.V. MONITOR	EA.	1
CAMERA CHARGED COUPLING DEVICE (ITERIS VANTAGE OR APPROVED EQUAL)	EA.	4

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL EQUIPMENT NECESSARY FOR THE COMPLETE AND SATISFACTORY OPERATION OF THE TRAFFIC SIGNAL WHETHER SAID EQUIPMENT IS SPECIFICALLY MENTIONED OR NOT. THE QUANTITIES SHOWN ARE FOR INFORMATION ONLY.



### MAPLE AND 135TH SIGNAL IMPROVEMENTS SIGNAL WIRING PLAN WICHITA, KANSAS



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DRAWING FILE: traffic signal plans {Wiring}      PROJECT NUMBER: .      DATE: Sept. 27, 2012

DESIGN KWL	3 OF 7
DRAWN KWL	
REVIEW	
UTILITY	