



MATERIALS TABLE		
ITEM	UNIT	QUANTITY
CONCRETE CONTROLLER PAD	EA.	1
CONCRETE FOOTING - POLE	EA.	4
CONCRETE FOOTING - PEDESTAL	EA.	2
CONCRETE SIDEWALK REMOVAL (INCLUDING EXISTING RAMPS)	SF	1,211
CONCRETE SIDEWALK 4" (NOT INCLUDING RAMPS)	SF	948
REMOVE AND REPLACE WHEELCHAIR RAMP	EA.	3
ADJUST SERVICE BOX TO GRADE	EA.	1
TRAFFIC SIGNAL POLE	EA.	4
TRAFFIC SIGNAL PEDESTAL	EA.	2
GROUND ROD & CLAMP	EA.	7
TRAFFIC SIGNAL MAST ARM (46')	EA.	1
TRAFFIC SIGNAL MAST ARM (36')	EA.	1
TRAFFIC SIGNAL MAST ARM (40')	EA.	1
TRAFFIC SIGNAL MAST ARM (58')	EA.	1
TRAFFIC SIGNAL HEAD - 12" (TYPE A) W/MOUNTING BRACKET	EA.	8
TRAFFIC SIGNAL HEAD - 12" (TYPE I) W/MOUNTING BRACKET	EA.	4
PEDESTRIAN SIGNAL - 12" (TYPE K) W/MOUNTING BRACKET	EA.	6
PEDESTRIAN PUSHBUTTON W/SIGN (AUDIBLE)	EA.	6
L.E.D. UNIT	EA.	50
ENTRANCE HEAD	EA.	1
CIRCUIT BREAKER & BOX	EA.	1
BACK PLATE FOR SIGNAL HEAD (TYPE A)	EA.	5
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.	4
MODEL 204 FLASHER UNIT	EA.	2
SURGE PROTECTOR	EA.	1
MODEL 242 TWO CHANNEL ISOLATOR	EA.	3
MODEL 200 SWITCH PACK	EA.	12
PULL OUT DRAWER/ PLAN SHELF	EA.	1
MULTI-CONDUCTOR CABLE NO. 14 AWG 7/c	LF	969
MULTI-CONDUCTOR CABLE NO. 14 AWG 5/c	LF	1065
STANDARD NO. 8 AWG 1/c (TYPE THHN) (GROUND)	LF	588
STANDARD NO. 6 AWG 1/c (TYPE THHN) (POWER)	LF	89
MULTI-CONDUCTOR CABLE NO. 16 AWG 3/c (RADAR)	LF	969
NO. 6 AWG BARE SOLID GROUND	LF	12
CONDUIT 3"	LF	57
CONDUIT 2"	LF	83
CONDUIT 1 1/2"	LF	53
INSTALL 24" WHITE STOP BAR LINE	LF	119.5
SIGNING	LS	1
STREET NAME SIGN W/MOUNTING HARDWARE	EA.	4
RADAR DETECTION AND MOUNTING HARDWARE (2 SPARES)	EA.	6
RADAR DETECTION PROCESSOR UNIT (SINGLE INPUT) (2 SPARES)	EA.	6
SITE CLEARING AND RESTORATION	LS	1
PROJECT SEEDING	LS	1
EROSION CONTROL BMP	LS	1

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

**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.

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.

**Harry & 127th  
Wiring Plan and Quantities**

	<p><b>RUGGLES &amp; BOHM</b></p> <p>ENGINEERING   SURVEYING   LANDSCAPE ARCHITECTURE   GOVERNMENT</p> <p>924 NORTH MAIN WICHITA, KANSAS 67203 P (316) 264-8008 F (316) 264-4621 WWW.RUGGLESANDBOHM.COM</p>	<p>DATE <b>3-7-2017</b></p> <p>DESIGN MTD</p> <p>DRAWN MTD</p> <p>REVIEW KWL</p> <p>SHEET</p>
	<p>PROJECT NUMBER <b>472-85337</b></p> <p>DRAWING FILE <b>4811T Engineering Base [Wiring Plan and Quantities]</b></p>	<p>RB JOB NO. <b>4811T</b></p> <p>DWG. SCALE ...</p>

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