



REV.	DATE	DESCRIPTION



CITY OF WICHITA
WICHITA, KANSAS
MCLEAN BLVD.
CENTRAL AVE. TO 13TH ST N

SIGNAL DETAILS

JOB NO.: 20T41007
DATE: DEC 2021
DESIGNED BY: CEM
DRAWN BY: CEM

BAR IS ONE INCH ON ORIGINAL DRAWING
0" = 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER **13**

TRAFFIC SIGNAL QUANTITIES

ITEM	UNIT	EST. QUANTS (*)
MODEL 2070 CONTROLLER (See Inclusive List Below)	EACH	CITY TO PROVIDE
CONTROLLER CABINET	EACH	1
TRAFFIC SIGNAL POLE W/ MAST ARM (SEE CHART B)	EACH	1
TRAFFIC SIGNAL PEDESTAL POLE	EACH	2
CONCRETE BASE FOR SIGNAL POLES	EACH	1
CONCRETE BASE FOR PEDESTAL SIGNAL POLES	EACH	2
TRAFFIC SIGNAL HEAD (TYPE L) W/ REFLECT. BACKPLATE AND BRKT	EACH	4
TRAFFIC SIGNAL HEAD (TYPE K) (TYPE II)	EACH	4
R10-23 (CROSSWALK STOP ON RED) W/ MTG. BRACKETS	EACH	2
PEDESTRIAN PUSHBUTTON W/ SIGN (**)	EACH	3
GROUND ROD AND CLAMP	EACH	3
TRAFFIC SIGNAL LAMP RED LED KIT	EACH	16
TRAFFIC SIGNAL LAMP YELLOW LED KIT	EACH	16
PEDESTRIAN LED W/ COUNTDOWN	EACH	4
TRAFFIC MANHOLE (TMH)	EACH	3
3" RGC CONDUIT	L.F.	32
2" RGC CONDUIT	L.F.	51
1.5" RGC CONDUIT	L.F.	AS REQUIRED
MULTI-CONDUCTOR CABLE 2C #14 AWG	L.F.	18
MULTI-CONDUCTOR CABLE 5C #14 AWG	L.F.	242
MULTI-CONDUCTOR CABLE 7C #14 AWG	L.F.	158
GROUND WIRE 1C (THHN #8 AWG)	L.F.	100
POWER SUPPLY WIRE (THHN #6 AWG)	L.F.	AS REQUIRED

(*) FOR INFORMATION ONLY
(**) PEDESTRIAN PUSHBUTTON

CHART 'B' - TRAFFIC SIGNAL POLES

POLE NUMBER	POLE HEIGHT	SIGNAL ARM LENGTH	SIGNAL ARM MOUNTING HEIGHT	NO. OF SIGNALS ON ARM	SIGNAL SPACING	LUMINAIRE ARM LENGTH	LUMINAIRE MOUNTING HEIGHT
1	21'	48'	19'	4	11'-23'		
2	10'						
3	10'						

CHART 'C' - CONDUIT

CONDUIT SIZE	TRENCHED	PUSHED
1.5" RGC	-	-
2" RGC	20	-
3" RGC	5	58

CHART A SIGNAL SUMMARY

SIGNAL FACE ARRANGEMENT	NO. SECTIONS (per face)	SIGNAL MOUNTING TYPE	QUANTITY
L	3	Mast Arm w/ Backplate	4
K	2	Side-of-Pole	4

CHART 'D' - TRAFFIC MANHOLE SUMMARY

STATION	DISTANCE	SIDE
39+52	24.4	LT.
39+53	2.2	RT.
39+50	32.9	RT.

