PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
472-84817 PHASE I	2011	65	113

BILL OF MATERIALS

ITEM	UNIT	QUANT.
PAD MOUNTED CABINET	EACH	1
CAMERA HOUSING	EACH	4
VIDEO DETECTION CAMERA & MOUNTING HARDWARE (RISER BRACKET)	EACH	4
VIDEO DETECTION PROCESSOR UNIT	EACH	1
VIDEO MONITOR	EACH	1
2070 CONTROLLER	EACH	CITY
TRAFFIC SIGNAL POLE (SEE CHART B) STEEL	EACH	4
PEDESTAL POLE ASSEMBLY	EACH	5
CONCRETE CONTROLLER PAD	EACH	1
CONCRETE FOOTING - SIGNAL POLE	EACH	4
CONCRETE FOOTING - PEDESTAL POLE	EACH	5
CONDUIT ELBOW 90	EACH	AS REQ'D
CONDUIT ELBOW 90 3"	EACH	AS REQ'D
SERVICE BOX	EACH	4
GROUND ROD & CLAMP	EACH	11
TRAFFIC SIGNAL HEAD (SEE CHART A) W/ MOUNTING HARDWARE	EACH	17
PEDESTRIAN SIGNAL HEAD (SEE CHART A) W/ MOUNTING HARDWARE	EACH	8
BACK PLATE 5" - 3 SECTION	EACH	10
BACK PLATE 5" - 5 SECTION	EACH	3
TRAFFIC SIGNAL LAMP RED LED KIT	EACH	17
TRAFFIC SIGNAL LAMP YELLOW LED KIT	EACH	15
TRAFFIC SIGNAL LAMP GREEN LED KIT	EACH	15
TRAFFIC SIGNAL LAMP GREEN ARROW LED KIT	EACH	5
TRAFFIC SIGNAL LAMP YELLOW ARROW LED KIT	EACH	5
TRAFFIC SIGNAL LAMP DUAL MODE GREEN/YELLOW ARROW LED KIT	EACH	1
PEDESTRIAN PUSHBUTTON W/SIGN	EACH	8
ENTRANCE HEAD	EACH	1
CIRCUIT BREAKER & NEMA 3R BOX	EACH	1
WIRE NO. 6 A.W.G. 1/c (POWER)	LIN. FT.	220
STANDARD 1/C #8 (GROUND)	LIN. FT.	775
MULTI-CONDUCTOR CABLE NO. 14 A.W.G. 2/C	LIN. FT.	45
MULTI-CONDUCTOR CABLE NO. 14 A.W.G. 5/C	LIN. FT.	675
MULTI-CONDUCTOR CABLE NO. 14 A.W.G. 7/C	LIN. FT.	3000
MULTI-CONDUCTOR CABLE NO. 16 A.W.G. 3/C (VIDEO POWER)	LIN. FT.	1050
VIDEO CABLE 75 OHM COAXIAL (BELDON 8281) (VIDEO COAX)	LIN. FT.	1050
CONDUIT 2" RGC	LIN. FT.	318
CONDUIT 3" RGC	LIN. FT.	571
STREET NAME SIGNS W/ MOUNTING HARDWARE (D-3)	EACH	4
"LEFT TURN YIELD ON GREEN" SIGN W/ MOUNTING HARDWARE (R10-12)	EACH	3
"LEFT TURN SIGNAL" SIGN W/ MOUNTING HARDWARE (R10-10)	EACH	2
NO U-TURN SYMBOL SIGN W/ MOUNTING HARDWARE (R3-4)	EACH	1

CHART 'A' - SIGNAL SUMMARY

NO. WAYS	NO. SECTIONS (Per Face)	SIGNAL FACE ARRANGEMENT	MOUNTING TYPE	QTY
1	3	A	TYPE I	8
1	3	C	TYPE I	2
1	5	I	TYPE I	3
1	3	A	TYPE III	3
1	4	Fd	TYPE III	1
1	1	K (SYMB)	TYPE III	6
2	1	K (SYMB)	TYPE II	2

* Subscript "p" indicates programmed signals.
Subscript "d" indicates dual-mode green/yellow arrow section.

CHART 'B' - TRAFFIC SIGNAL POLES

STATION	DIST.	SIDE	ARM LENGTH	NO. OF SIGNALS ON ARM	SIGNAL SPACING	TYPE
Sta. 199+17.0	41.7'	Lt.	40.0'	3	13.5'-12.0'-13.0'	JU
Sta. 200+50.4	77.7'	Lt.	42.0'	3	17.5'-11.0'-11.5'	STD
Sta. 200+73.0	46.3'	Rt.	42.0'	3	17.5'-12.0'-11.0'	STD
Sta. 199+52.7	79.8'	Rt.	54.0'	4	14.5'-11.0'-15.3'-12.0'	JU

CHART 'C' - CONDUIT

CONDUIT	TRENCHED	PUSHED
2" RGC	318'	
3" RGC	181'	390'

CHART 'D' - STREET NAME SIGN SUMMARY

ID	LEGEND	TYPE	QTY	UNITS	SIZE
SN-1	Ridge Rd	D-3	2	EA	2.5' X 5.0'
SN-2	13th St	D-3	2	EA	2.5' X 5.0'

GENERAL NOTES

1. Signal Timing by the City of Wichita. The Contractor shall be responsible for furnishing and installing the cabinet, concrete base, and for all equipment necessary for the complete and satisfactory operation of the traffic signal, whether said equipment is specifically mentioned or not. The Contractor shall install the City furnished controller.
2. Signal heads, pedestrian signals, traffic signs, etc. shall include all brackets, hardware, & other incidentals necessary for installation.
3. Quantities are for Information Only.
4. Removal of existing traffic signal equipment shall include removal of foundations, service boxes and junction boxes. See construciton traffic control reqarding removal of existing signals. Removal of the existing traffic signal equipment shall be paid under the bid item "Removal of Structures".
5. The contractor shall remove and deliver to Central Maintenance Facility (1801 S. McLean) all salvageable Traffic Signal Equipment (Controller, Cabinet, Poles, Signals, Lids, etc), regulatory signs, street name signs, information signs, and etc. Contractor shall contact Traffic Signal Shop Supervisor, Robert Cradduck (268-4033) to coordinate delivery. Cost of loading and transporting shall be Subsidiary to the bid item "Transportation of Salvageable Material" (Non-participating).

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.

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

13TH STREET AT RIDGE ROAD
TRAFFIC SIGNAL QUANTITIES

CITY ENGINEER
JAMES L. ARMOUR, P.E., L.S.

PROJECT NUMBER	OCA NUMBER	DATE
472-84817 PHASE I	770005	11/2011

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

DESIGN | DRAWN

SHEET 65 of 113

\\Kcow30\elec\4809li235_Floodway\dwgs\CD\Ridge\Rdg_signal_sh_04.dgn
Plotted on: Monday, September 26, 2011 08:35
SSympson Plot Queue: Adobe PDF
Plot Scale: 20.000000x1.000000 Pen Tables: \\Kcow30\elec\4809li235_Floodway\library\tsfs_ridge.pen
Design Filename: \\Kcow30\elec\4809li235_Floodway\dwgs\CD\Ridge\Rdg_signal_sh_04.dgn