

CHART A SIGNAL SUMMARY					
PLAN SHEET	NO. WAYS	NO. SECTIONS (per face)	SIGNAL FACE ARRANGEMENT	MOUNTING TYPE	QUANTITY
2	1	5	R-Y-G-YA-GA	RIGID MAST ARM	4
2	1	3	R-Y-G	RIGID MAST ARM	8
2	1	3	R-Y-G	VERTICAL BRACKET	4
2	1	2	W-DW	VERTICAL BRACKET	8

CHART D STREET NAME SIGN SUMMARY		
LEGEND	SIZE	QUANTITY
Rock Rd	7'	2
37th St	7'	2

CONTROLLER SUMMARY			
ITEM	MODEL NO.	QUAN.	
PAD MOUNTED CABINET	332	1	
CONTROLLER (2K RAM MIN.) w/400 modem	170E	1	
PROM MODULE	412B	1	
CONFLICT MONITOR (ECL or MS)	210P	1	
SWITCH PACK	200	12	
FLASHER UNIT	204	2	
FLASH TRANSFER RELAY	403	4	
MODEM	FO-400	1	
TERMINATION RACK (BUCKHEAD ASSM.)	----	1	
TWO-CHANNEL DETECTOR	822	--	
TWO-CHANNEL DC ISOLATOR	242	3	

SERVICE BOX SUMMARY			
BASELINE	STATION	DIST.--SIDE	NOTE
37th STREET	6+07	6' Lt.	Existing
37th STREET	6+17	63' Rt.	Existing
37th STREET	6+47	42' Rt.	Existing
37th STREET	6+57	57' Lt.	Existing
37th STREET	6+96	112' Rt.	Existing
37th STREET	7+42	53' Lt.	Existing
37th STREET	7+43	52' Rt.	Existing
37th STREET	7+66	80' Rt.	Existing
37th STREET	7+93	6' Rt.	Existing

BILL OF MATERIALS		
ITEM	UNIT	QUANT.
POLE MOUNTED CONTROLLER & CABINET	EACH	--
PEDESTAL MOUNTED CONTROLLER & CABINET	EACH	---
PAD MOUNTED CONTROLLER & CABINET	EACH	1
TRAFFIC SIGNAL HEAD (SEE CHART A) W/ MOUNTING HARDWARE	EACH	24
TRAFFIC SIGNAL POLE (SEE CHART B) 20' STEEL W/ MAST ARM	EACH	4
TRAFFIC SIGNAL PEDESTAL ALUMINUM 10'	EACH	2
CONCRETE CONTROLLER PAD	EACH	1
CONCRETE FOOTING - PEDESTAL	EACH	2
CONCRETE FOOTING - POLE	EACH	4
CONDUIT ELBOW 90	EACH	*
CONDUIT ELBOW 90 3"	EACH	*
BACK PLATE 5" 3 SECTION	EACH	8
BACK PLATE 5" 4 SECTION	EACH	---
BACK PLATE 5" 5 SECTION	EACH	4
TERMINAL BLOCK	EACH	---
SERVICE BOX	EACH	---
JUNCTION BOX	EACH	---
GROUND ROD & CLAMP	EACH	8
CONDUIT CLAMP	EACH	*
CLASS 4, WOOD POLE	EACH	---
ENTRANCE HEAD	EACH	1
CIRCUIT BREAKER & BOX AMP	EACH	1
RED L.E.D. KIT	EACH	16
YELLOW L.E.D. KIT	EACH	16
GREEN L.E.D. KIT	EACH	16
YELLOW ARROW L.E.D. KIT	EACH	4
GREEN ARROW L.E.D. KIT	EACH	4
ORANGE/WHITE L.E.D. KIT (PED. SIG. - COMBINATION "HAND/MAN")	EACH	8
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 CABLE NO. 14 A.W.G. 5/c	LIN. FT.	3,320
MULTI-CONDUCTOR CABLE NO. 14 A.W.G. 7/c	LIN. FT.	1,235
MULTI-CONDUCTOR CABLE NO. 14 A.W.G. 2/c	LIN. FT.	50
SHIELDED DETECTOR LEAD-IN NO. 16 A.W.G. 2/c	LIN. FT.	---
STANDARD IC #8 (GROUND)	LIN. FT.	690
VIDEO DETECTION CAMERA w/ MOUNTING BRACKET	EACH	4
VIDEO PROCESSING UNIT	EACH	1
VIDEO PROGRAMMING UNIT	EACH	1
VIDEO COMMUNICATION CABLE	LIN. FT.	1,270
VIDEO POWER CABLE	LIN. FT.	1,270
PEDESTRIAN PUSH BUTTON / SIGN UNIT	EACH	8
CONDUIT RGC (1")	LIN. FT.	56
CONDUIT RGC (2")	LIN. FT.	119
CONDUIT RGC (3")	LIN. FT.	30
SIGN - STREET NAME - SEE CHART D	EACH	4
SIGN - LEFT TURN YIELD ON GREEN (R10-12)	EACH	4
SIGN MOUNTING BRACKET	EACH	12

* As Needed

NOTE: - Quantities For Information Only -

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.

3				
2				
1				
NO.	DATE	REVISIONS	BY	APP'D

CITY OF WICHITA, KANSAS
 SEDGWICK COUNTY
 TRAFFIC SIGNAL PLAN
 ROCK ROAD & 37TH STREET
 PROJECT NO. 472-84066

GBA GEORGE BUTLER ASSOCIATES, INC.
 Engineers · Architects

DESIGNED	SAC	CHECKED	SAC	PROJ. NO.	10459.00
DRAWN	JDB			DATE	AUGUST 17, 2004