FHWA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	618-34	1998	88	169

CHART A SIGNAL HEADS

NUMBER OF SECTIONS	SIGNAL FACE ARRANGEMENT	MOUNTING TYPE	QTY.
		RIGID MAST ARM	
5	C	RIGID MAST ARM	4
2	F	VERTICAL BRACKET	1
2	F	PEDESTAL	1
		SPAN WIRE	
TOTAL			6

CHART C DETECTOR OPERATIONS

LOOP LABEL	MODE	SIZE	NUMBER OF TURNS	PHASE CALLED	PHASE EXTENDED	DELAY/ STRETCH TIMER	INITIAL SETTING (SEC)
31	PRESENCE	6'x50'	2-4-2	3	3	S	1.0
81	PRESENCE	6'x50'	2-4-2	8	8		
82	PRESENCE	6'x50'	3	8	8		
83	PRESENCE	6'x6'	3	8	8		
84	PRESENCE	6'x6'	3	8	8		
85	PRESENCE	6'x6'	3	8	8		
86	PRESENCE	6'x6'	3	8	8		
87	PRESENCE	6'x6'	3	8	8	S	1.0
88	PRESENCE	6'x6'	3	8	8		
EXISTING							
11,51	PRESENCE	6'x50'	2-4-2	1,5	1,5		
71	PRESENCE	6'x50'	2-4-2	7	7		
21,22	PRESENCE	6'x50'	2-4-2	2	2		
23,24	PRESENCE	6'x6'	3	2	2	S	1.0
25,26	PRESENCE	6'x6'	3	2	2	S	1.0
27,28	PRESENCE	6'x6'	3	2	2	S	1.0
41,42	PRESENCE	6'x50'	2-4-2	4	4		
43,44	PRESENCE	6'x6'	3	4	4	S	1.0
45,46	PRESENCE	6'x6'	3	4	4	S	1.0
47,48	PRESENCE	6'x6'	3	4	4	S	1.0
61,62	PRESENCE	6'x50',6'x6'	2-4-2, 3	6	6	-, S	-, 1.0
63,64	PRESENCE	6'x6'	3	6	6	S	1.0

S=Stretch
D=Delay

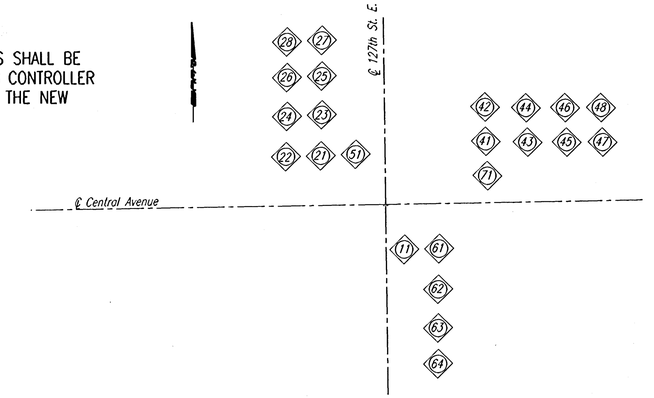
CHART D OVERHEAD STREET NAME SIGNS

LEGEND	LENGTH	QUANTITY
Central	5'-0"	2
127 th ST E	6'-0"	2

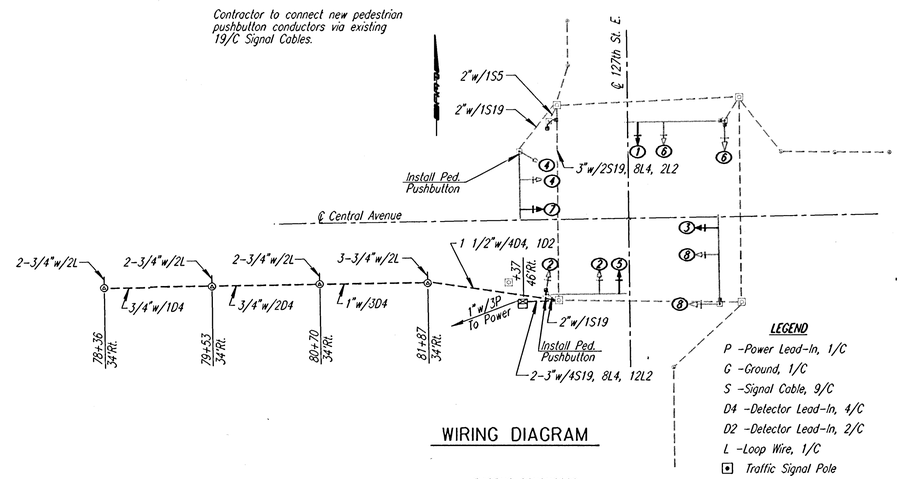
BILL OF MATERIALS

ITEM	UNIT	QUANTITY
PAD MOUNTED CONTROLLER & CABINET	EACH	1
TRAFFIC SIGNAL HEAD (see chart A) W/MOUNTING HARDWARE	EACH	6
LOOP DETECTOR (see chart C)	EACH	6 *
CONCRETE CONTROLLER PAD	EACH	1
BACKPLATE 5" 5 SECTION	EACH	4
TERMINAL BLOCK	EACH	
JUNCTION BOX	EACH	4
GROUND ROD & CLAMP	EACH	2
TRAFFIC SIGNAL LAMP 135 WATT KRYPTON	EACH	20
LED DONT WALK (SYMBOLIC) SIGNAL LENS	EACH	2
ENTRANCE HEAD	EACH	1
CIRCUIT BREAKER & BOX 50 AMP	EACH	1
SURGE ARRESTOR - CONTROLLER	EACH	1
PEDESTRIAN PUSHBUTTON W/SIGN	EACH	2
CONDUIT 3/4" RGC	LIN.FT.	400
CONDUIT 1" RGC	LIN.FT.	150
CONDUIT 1 1/2" RGC	LIN.FT.	100
CONDUIT 3" RGC	LIN.FT.	75
CONDUIT ELBOW 90°	EACH	AS REQUIRED
CONDUIT CLAMP	EACH	AS REQUIRED
LUMINAIRE	EACH	
LUMINAIRE LAMP watt HPS	EACH	
MULTI-CONDUCTOR CABLE NO.14 A.W.G. 3/c	LIN.FT.	50
MULTI-CONDUCTOR CABLE NO.14 A.W.G. 5/c	LIN.FT.	50
POWER LEAD-IN CABLE NO.6 A.W.G. 1/c	LIN.FT.	AS REQUIRED
SHIELDED DETECTOR LEAD-IN WIRE NO.16 A.W.G. 2/c	LIN.FT.	150
SHIELDED DETECTOR LEAD-IN WIRE NO.18 A.W.G. 4/c	LIN.FT.	1200
DETECTOR LOOP WIRE NO.14 A.W.G. 1/c	LIN.FT.	2000
LUMINAIRE WIRE NO.8 A.W.G. 1/c	LIN.FT.	
OVERHEAD STREET NAME SIGN (HIGH INTENSITY SHEETING)	EACH	4
RIO-12 SIGN (24"X30")(HIGH INTENSITY SHEETING)	EACH	4
--- Quantities For Information Only ---		

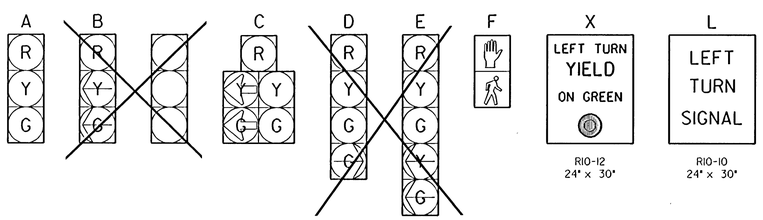
* 10 EXISTING LOOP DETECTORS SHALL BE REMOVED FROM THE EXISTING CONTROLLER CABINET AND REINSTALLED IN THE NEW CONTROLLER CABINET.



EXISTING LOOPS (TO REMAIN)



WIRING DIAGRAM



WIRING NOTES

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.

RECAPITULATION OF TRAFFIC SIGNAL QUANTITIES

ITEM	UNIT	QUANTITY
TRAFFIC SIGNAL MODIFICATION (127th ST. & CENTRAL)	LUMP SUM	LUMP SUM

SUMMARY OF TRAFFIC SIGNAL QUANTITIES

Central Ave. and 127th St. E.

T.S. No. 1.0

PREPARED BY
SEDGWICK COUNTY BUREAU OF PUBLIC SERVICES
HIGHWAY DIVISION

DAVID C. SPEARS, P.E. — DIRECTOR/COUNTY ENGINEER

REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
		BER		WDH	
	DATE				
	PLANFILE TS-1-0.DWG		TOTAL SHEETS		

i:/1995/95297/002/sigat127.dgn
Drawn by: jgp
Plotted by: DJW 11-12-97