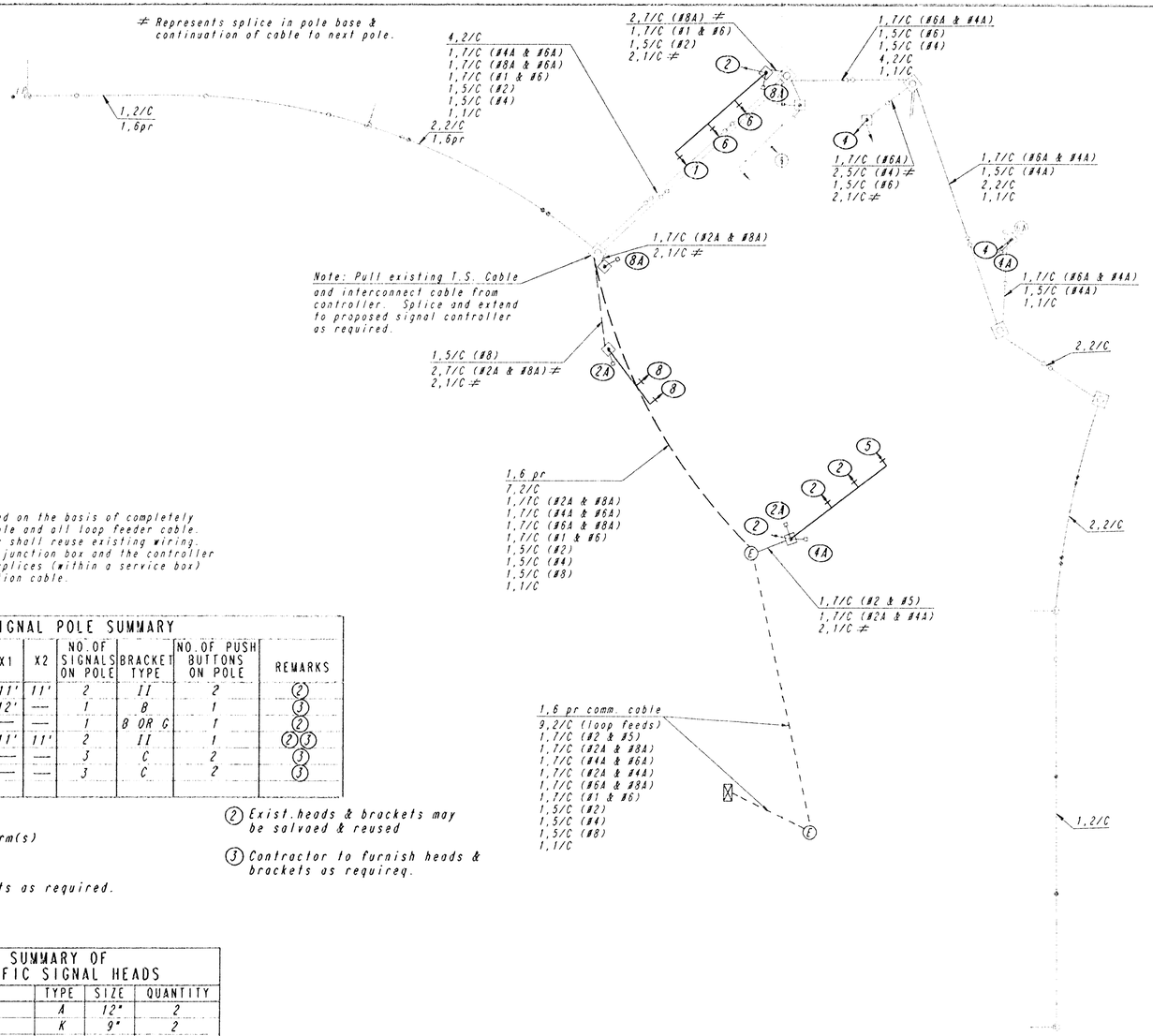
≠ Represents splice in pole base & continuation of cable to next pole.



Note: The wiring diagram has been prepared on the basis of completely replacing all existing traffic signal cable and all loop feeder cable. To the extent possible, the contractor shall reuse existing wiring. No splices will be permitted between the junction box and the controller for any loop feeder cable. Underground splices (within a service box) will be permitted for the 6 pr communication cable.

TRAFFIC SIGNAL POLE SUMMARY

POLE NO.	TYPE (1)	ARM LENGTH	NO. OF SIGNALS ON ARM	BRACKET TYPE	X1	X2	NO. OF SIGNALS ON POLE	BRACKET TYPE	NO. OF PUSH BUTTONS ON POLE	REMARKS
1	B(C)	38'	2	I	11'	11'	2	II	2	(2)
2	B(C)	20'	2	I	12'	---	1	B	1	(3)
3	A(E)	---	---	---	---	---	1	B OR G	1	(2)(3)
4	C(C)	38'	3	I	11'	11'	2	II	1	(2)(3)
5	Existing Pedestal to Remain				---	---	3	C	2	(3)
6	Existing Pedestal to Remain				---	---	3	C	2	(3)

(1) A-10'Pedestal (Alum.)
B-20'Steel with Mast Arm(s)
C-35'Steel (Joint Use) with Mast Arm(s)
(E)-Existing to be relocated
(C)-To be furnished by C.O.W.
Contractor to furnish anchor bolts as required.

(2) Exist. heads & brackets may be salvaged & reused

(3) Contractor to furnish heads & brackets as required.

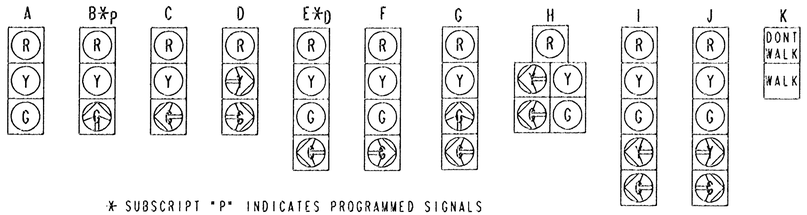
(2) JUNCTION BOX SUMMARY

STATION	DIST. - SIDE
49+35	16'Rt.
12+65	42'Rt.
TOTAL	2

(2) Pre-fab type

SUMMARY OF TRAFFIC SIGNAL HEADS

NUMBER	TYPE	SIZE	QUANTITY
8	A	12"	2
2A	K	9"	2
4A	K	9"	2
1	I	12"	1
TOTAL			7



* SUBSCRIPT "P" INDICATES PROGRAMMED SIGNALS
SUBSCRIPT "D" INDICATES DUAL-MODE GREEN/YELLOW ARROW SELECTION

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
PAD MOUNTED CONTROLLER & CABINENT (SET ONLY)	EACH	1
TRAFFIC SIGNAL HEAD W/MOUNTING HARDWARE	EACH	7
TRAFFIC SIGNAL POLE STEEL (ANCHOR BOLTS)	EACH	8
TRAFFIC SIGNAL POLE (JOINT USE) STEEL (ANCHOR BOLTS)	EACH	4
TRAFFIC SIGNAL PEDESTAL ALUMINUM 10' (ANCHOR BOLTS)	EACH	4
DETECTOR UNIT	EACH	2
CONCRETE CONTROLLER PAD	EACH	1
CONCRETE FOOTING - PEDESTAL	EACH	1
CONCRETE FOOTING - POLE	EACH	3
CONDUIT ELBOW 90°2"	EACH	AS REQ'D.
CONDUIT ELBOW 90°3"	EACH	AS REQ'D.
BACK PLATE 5" 3 SECTION	EACH	2
BACK PLATE 5" 5 SECTION	EACH	1
TERMINAL BLOCK	EACH	AS REQ'D.
SERVICE BOX	EACH	---
JUNCTION BOX (PRE-FAB)	EACH	2
GROUND ROD & CLAMP	EACH	4
TRAFFIC SIGNAL LAMP 135 WATT	EACH	19
ENTRANCE HEAD	EACH	---
CIRCUIT BREAKER & BOX 40 AMP.	EACH	1
SURGE ARRESTOR - A.C. SERVICE	EACH	1
SURGE ARRESTOR - DETECTOR	EACH	1
PEDESTRIAN PUSHBUTTON W/SIGN	EACH	4
6 PR. COMMUNICATION CABLE	LIN.FT.	390
DETECTOR LOOP WIRE NO. 14 AWG 1/c	LIN.FT.	900
LEAD-IN WIRE NO.6 AWG 1/c	LIN.FT.	150
MULTI-CONDUCTOR CABLE NO.14 AWG 7/c	LIN.FT.	2000
MULTI-CONDUCTOR CABLE NO.14 AWG 5/c	LIN.FT.	1300
MULTI-CONDUCTOR CABLE NO.14 AWG 2/c	LIN.FT.	20
SHEILDED DETECTOR LEAD-IN NO.14 AWG 2/c	LIN.FT.	3500
CONDUIT 3/4"(RGC)	LIN.FT.	20
CONDUIT 1"(RGC)	LIN.FT.	---
CONDUIT 1-1/4"(RGC)	LIN.FT.	20
CONDUIT 2"(RGC)	LIN.FT.	60
CONDUIT 3"(RGC)	LIN.FT.	220
#8 AWG GROUND (GREEN)	LIN.FT.	700

-QUANTITIES FOR INFORMATION ONLY-

NOTE: The traffic signal system shall be complete and the contractor shall furnish and install all equipment and materials necessary for the satisfactory operation of electrical apparatus and for the complete operation of the traffic signal system whether specifically mentioned or not.

PLAN: SURVEYED / NOTE BOOK: PLOTTED / NO.: ALIGNMENT CHECKED / RT. OF WAY CHECKED / BY / DATE / CHECKED / BY / CHECKED

DRAWING NAME: 36920D5 IC Tr.Sig Qty.
LOCATION: SW 49th
CENTER COORDINATES
ROTATION ANGLE:
DATE LAST WORKED ON: SEPT. 24, 1994
BRENT REMSBERG

REV.	DATE	DESCRIPTION

BRENT E. REMSBERG LICENSED PROFESSIONAL ENGINEER 8168 STATE OF KANSAS

HELLMUTH, OBATA & KASSEBAUM, INC.
DALLAS, TEXAS

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
WICHITA, KANSAS

BRAD J. GOLDBERG
DALLAS, TEXAS

MID-AMERICA ALL-INDIAN CENTER SITE IMPROVEMENTS CITY OF WICHITA, KANSAS

TRAFFIC SIGNAL MODIFICATION CENTRAL/STACKMAN

PROJECT NO.	ISSUE DATE	SCALE	SHEET
		NO SCALE	TS2