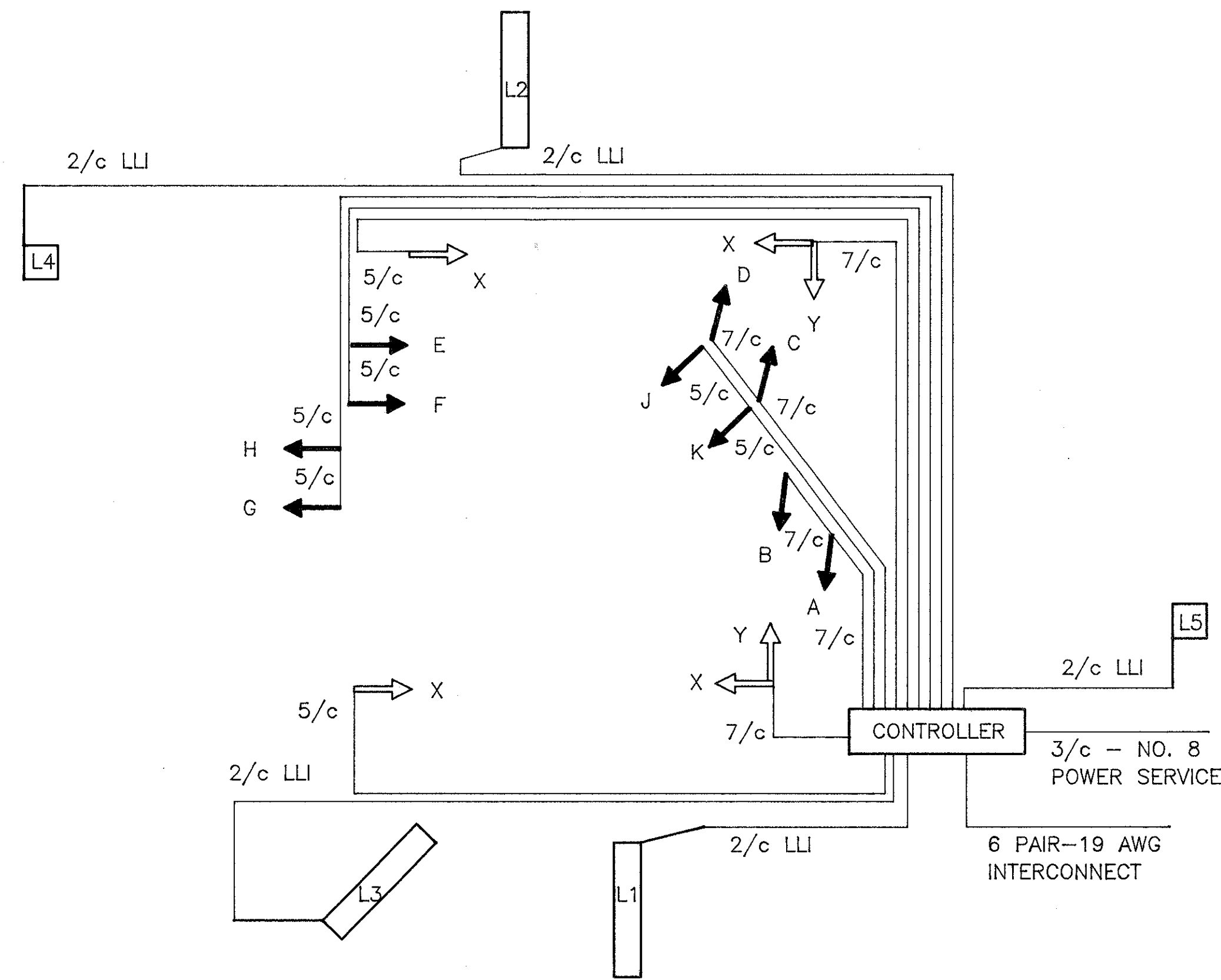


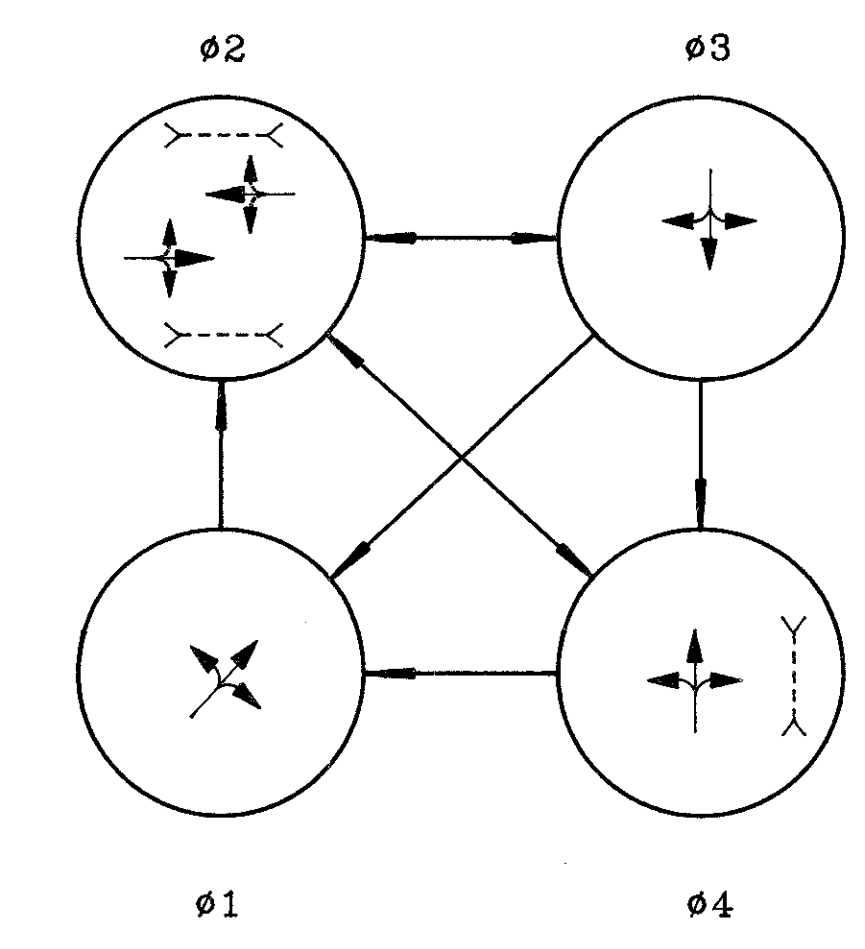
### SIGNAL DISPLAY CHART

SIGNAL HEAD	ø1		ø2		ø3		ø4		FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	
A	R	R	R	R	R	R	R	R	R
B	R	R	R	R	R	R	R	R	R
C	R	R	R	R	R	R	R	R	R
D	R	R	R	R	R	R	R	R	R
E	R	R	R	R	R	R	R	R	R
F	R	R	R	R	R	R	R	R	R
G	R	R	R	R	R	R	R	R	R
H	R	R	R	R	R	R	R	R	R
J	G	Y	R	R	R	R	R	R	R
K	G	Y	R	R	R	R	R	R	R
X-X	D	D	D	W	FD	D	D	D	D
Y-Y	D	D	D	D	D	D	D	W	FD

### WIRING DIAGRAM



### PHASING DIAGRAM



### LOOP DETECTOR CHART

LOOP #	SIZE	# TURNS	MODE	DELAY	AMP #	PHASE
L1	6' x 35'	2-4-2	PRESENCE	8	2	4
L2	6' x 35'	2-4-2	PRESENCE	8	3	3
L3	6' x 35'	2-4-2	PRESENCE	0	1	1
L4	6' x 6'	3	PRESENCE	0	4	SYSTEM
L5	6' x 6'	3	PRESENCE	0	5	SYSTEM

### COORDINATION TIMING

	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	80 SEC	100 SEC	120 SEC
PHASE 1 SPLIT	16 %	13 %	9 %
PHASE 2 SPLIT	30 %	43 %	53 %
PHASE 3 SPLIT	27 %	22 %	19 %
PHASE 4 SPLIT	27 %	22 %	19 %
PERMISSIVE	5%	5%	5%
OFFSET	46 %	1 %	81 %
TIME OF DAY SCHEDULE	ALL OTHER TIMES	6:30AM TO 8:30AM MON-SAT	3:00PM TO 6:30PM MON-SAT

### SIGNAL TIMING

INTERVAL	ø1	ø2	ø3	ø4
INITIAL	10	25	10	10
PASSAGE	3.0	5.0	3.0	3.0
YELLOW	3.1	3.6	3.1	3.1
RED CLEAR	1.4	1.0	1.4	1.4
MAX I	10	35	17	17
MAX II	12	25	17	17
WALK	0	7	0	7
PED CLEAR	0	28	0	10
RECALL	NONE	PED	NONE	NONE
MEMORY	LOCK	LOCK	LOCK	LOCK

NOTES:

1. PHASE SPLITS SHALL INCLUDE ALL GREEN PLUS YELLOW & ALL RED
2. PERMISSIVES SHALL START AT THE ZERO POINT OF THE CYCLE
3. OFFSETS SHALL BE REFERENCED TO THE BEGINNING OF PHASE 2 YELLOW

ITEM	TOTAL	UNIT	DESCRIPTION
625	6	EACH	GROUND ROD
625	9	EACH	PULLBOX 713.08, 18", AS PER PLAN
625	273	LIN FT	CONDUIT 2", 713.04
625	203	LIN FT	CONDUIT 3", 713.04
625	6	LIN FT	CONDUIT 4", 713.04
625	12	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 2"
625	24	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	261	LIN FT	TRENCH
625	215	LIN FT	TRENCH IN PAVED AREAS, TYPE "B"
632	5	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1 WAY, AS PER PLAN
632	1	EACH	VEHICULAR SIGNAL HEAD, 5 SECT., 12" LENS, 1 WAY, AS PER PLAN
632	3	EACH	VEH. SIGNAL HEAD, 3 SECT., 12" LENS, 1 WAY, OPTICALLY PROGRAMMED
632	1	EACH	VEH. SIGNAL HEAD, 5 SECT., 12" LENS, 1 WAY, OPTICALLY PROGRAMMED
632	6	EACH	PEDESTRIAN SIGNAL HEAD, TYPE "D-2"
632	2	EACH	PEDESTRIAN PUSHBUTTON WITH R-73C-9 SIGN
632	2	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	3	EACH	LOOP DETECTOR UNIT, DELAY & EXTENSION TYPE, AS PER PLAN
632	453	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	5.32	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATIONS
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 11, 32' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 11, 38' ARM
632	3	EACH	PEDESTAL, 8', TRANSFORMER BASE
632	1	EACH	CONDUIT RISER, 2" DIAMETER
632	840	LIN FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	287	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	1244	LIN FT	LOOP DETECTOR WIRE TYPE E
632	681	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	48	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	1	EACH	POWER SERVICE
632	10	EACH	COVERING OF VEHICULAR SIGNAL HEADS
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN
633	1	EACH	CONTROLLER, ACTUATED, 4 PHASE, SOLID-STATE, DIGITAL, MICROPROCESSOR, AS PER PLAN
633	1	EACH	COORDINATOR, MULTI-DIAL, SOLID-STATE, DIGITAL, MICROPROCESSOR SECONDARY