

SIGNAL DISPLAY CHART

SIGNAL HEAD	ø1 + ø5		ø1 + ø6		ø2 + ø6		ø3		ø4		FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	
A	R	R	R	R	R	R	R	R	R	R	R
B	R	R	R	R	R	R	R	R	R	G	G
C	R	R	R	R	R	R	R	R	G	G	Y
D	R	R	R	R	R	R	R	R	R	R	R
E	R	R	R	G	Y	R	R	R	R	R	R
F	R	R	R	G	Y	R	R	R	R	R	R
G	G	G	G	G	Y	R	R	R	R	R	R
H	G	G	G	G	Y	R	R	R	R	R	R
J	R	R	R	G	Y	R	R	R	R	R	R
K	R	R	R	G	Y	R	R	R	R	R	R
L	G	G	G	G	Y	R	R	R	R	R	R
M	G	G	G	G	Y	R	R	R	R	R	R
N	R	R	R	R	R	R	R	R	R	G	G
R-R	D	D	D	D	D	D	D	D	D	D	D
S-S	W	W	W	W	FD	D	D	D	D	D	D
T-T	D	D	D	D	D	D	D	D	D	D	D
U-U	D	D	D	D	D	D	D	D	D	W	FD

NOTES:
1. REMAINS "G" IF ø2 + ø6 IS NEXT

LOOP DETECTOR CHART

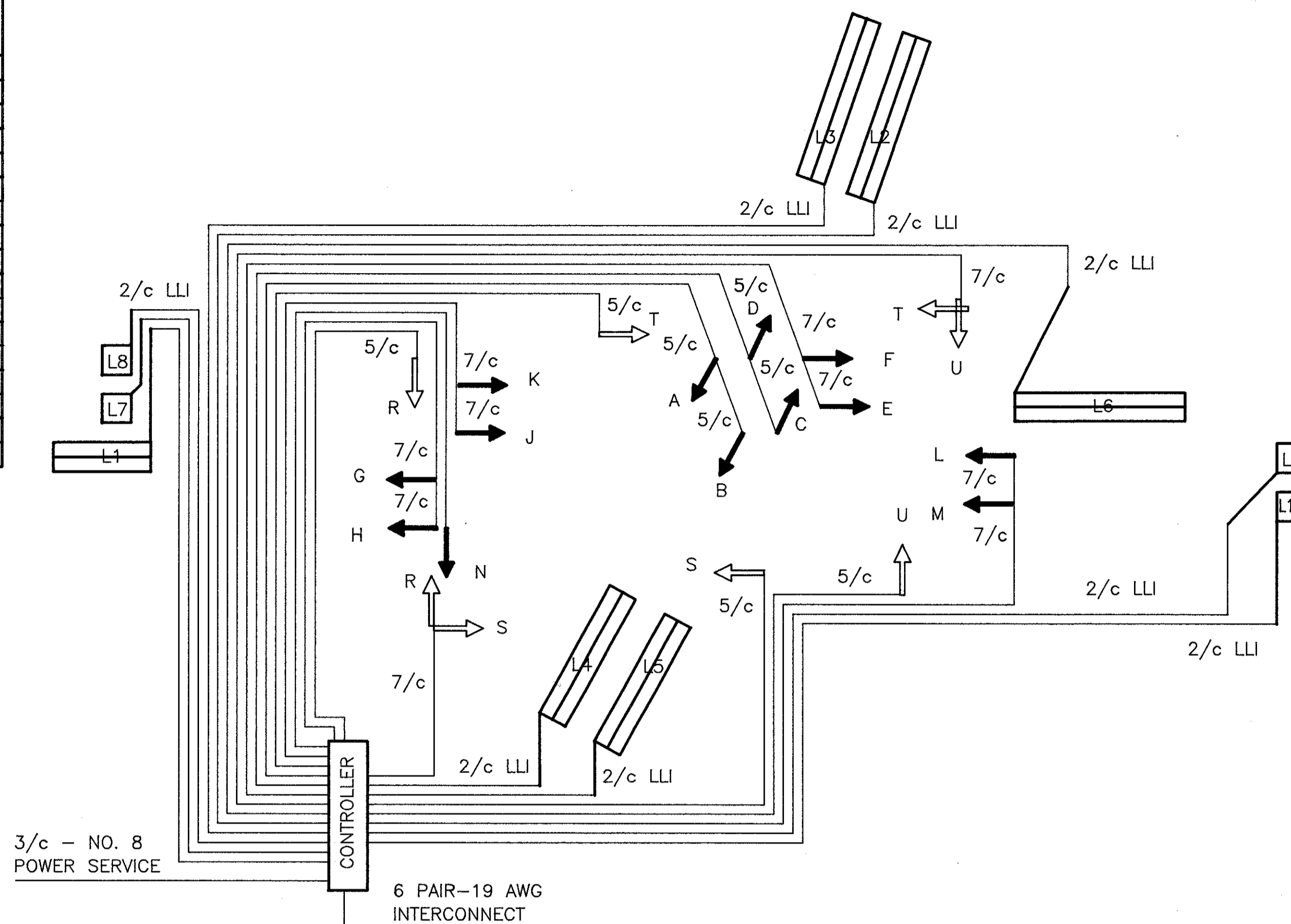
LOOP #	SIZE	# TURNS	MODE	DELAY	AMP #	PHASE
L1	6' x 35'	2-4-2	PRESENCE	0	1	2
L2	6' x 35'	2-4-2	PRESENCE	0	2	3
L3	6' x 35'	2-4-2	PRESENCE	8	3	3
L4	6' x 35'	2-4-2	PRESENCE	0	4	4
L5	6' x 35'	2-4-2	PRESENCE	8	5	4
L6	6' x 20'	2-4-2	PRESENCE	0	6	5
L7	6' x 6'	3	PRESENCE	0	7	SYSTEM
L8	6' x 6'	3	PRESENCE	0	8	SYSTEM
L9	6' x 6'	3	PRESENCE	0	9	SYSTEM
L10	6' x 6'	3	PRESENCE	0	10	SYSTEM

COORDINATION TIMING

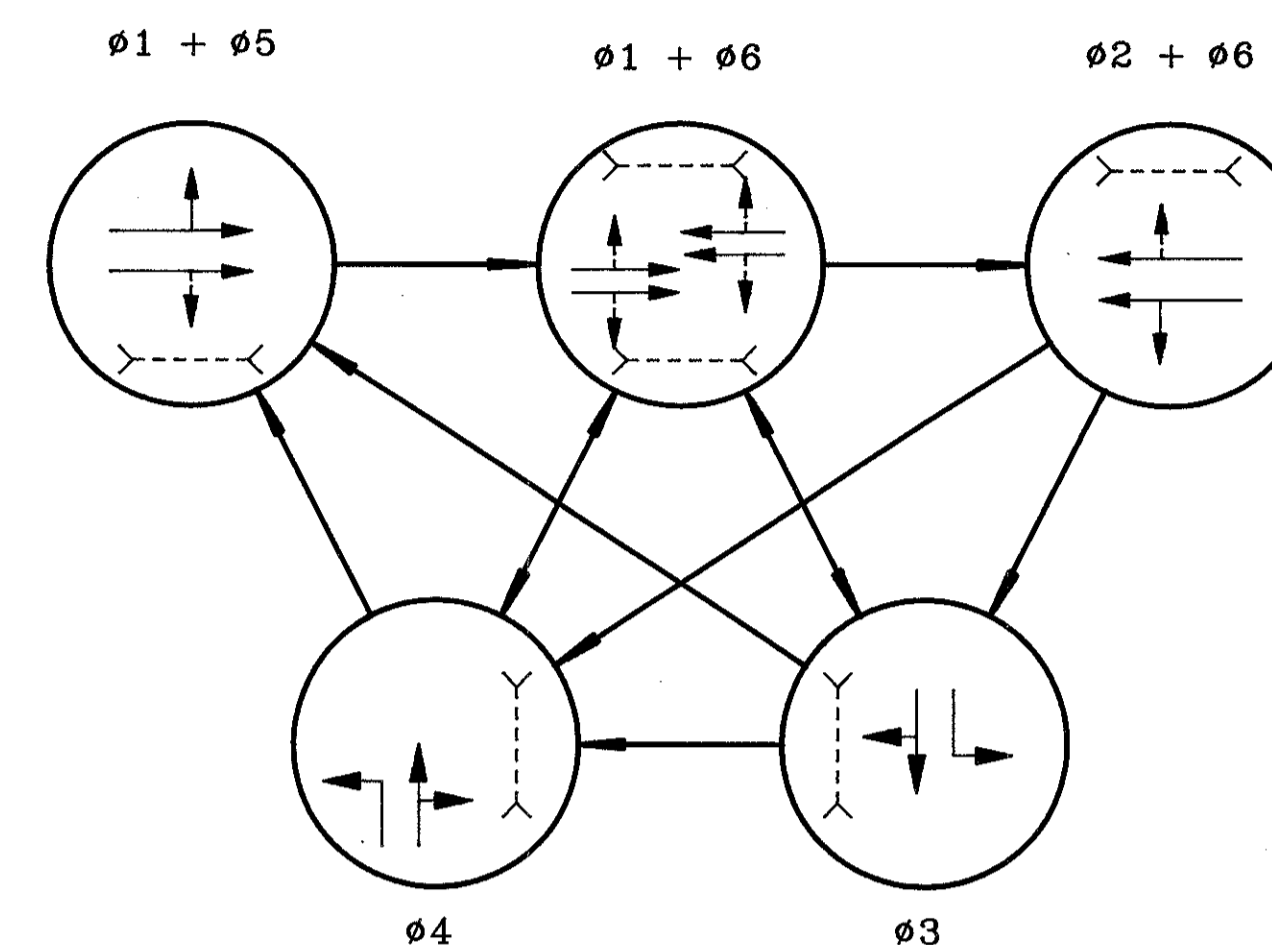
	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	80 SEC	90 SEC	
PHASE 1 SPLIT	33 %	41 %	
PHASE 2 SPLIT	17 %	13 %	
PHASE 3 SPLIT	25 %	23 %	
PHASE 4 SPLIT	25 %	23 %	
PHASE 5 SPLIT	15 %	20 %	
PHASE 6 SPLIT	35 %	34 %	
PERMISSIVE	5 %	5 %	
OFFSET	97 %	19 %	
TIME OF DAY SCHEDULE	ALL OTHER TIMES	3:00PM TO 6:30PM MON-SAT	

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 1 YELLOW

WIRING DIAGRAM



PHASING DIAGRAM



SIGNAL TIMING

INTERVAL	ø1	ø2	ø3	ø4	ø5	ø6
INITIAL	21	7	7	10	7	21
PASSAGE	5.0	2.5	3.0	3.0	2.5	5.0
YELLOW	3.6	3.0	3.6	3.6	3.0	3.6
RED CLEAR	1.4	1.0	1.4	1.4	1.0	1.4
MAX I	32	8	8	23	8	32
MAX II	32	8	8	23	8	32
WALK	7	0	0	7	0	7
PED CLEAR	20	0	0	8	0	20
RECALL	PED	NONE	NONE	NONE	NONE	PED
MEMORY	LOCK	OFF	LOCK	LOCK	OFF	LOCK

ITEM	TOTAL	UNIT	DESCRIPTION
625	7	EACH	GROUND ROD
625	10	EACH	PULLBOX 713.08, 18", AS PER PLAN
625	260	LIN FT	CONDUIT 2", 713.04
625	98	LIN FT	CONDUIT 3", 713.04
625	283	LIN FT	CONDUIT 4", 713.04
625	641	LIN FT	TRENCH IN PAVED AREAS, TYPE "B"
632	1	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1 WAY, AS PER PLAN
632	3	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 2 WAY, AS PER PLAN
632	2	EACH	VEHICULAR SIGNAL HEAD, 5 SECT., 12" LENS, 1 WAY, AS PER PLAN
632	2	EACH	VEH. SIG. HEAD, OPTICALLY PROGRAMMED, 3 SECT., 12" LENS, 1 WAY
632	2	EACH	VEH. SIG. HEAD, OPTICALLY PROGRAMMED, 5 SECT., 12" LENS, 1 WAY
632	8	EACH	PEDESTRIAN SIGNAL HEAD, TYPE "D-2"
632	4	EACH	PEDESTRIAN PUSHBUTTON WITH R-73C-9 SIGN
632	8	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	2	EACH	LOOP DETECTOR UNIT, DELAY & EXTENSION TYPE, AS PER PLAN
632	913	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	7.06	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATIONS
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 2. 25' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 12, 43' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 12, 41' ARM
632	3	EACH	PEDESTAL, 8', TRANSFORMER BASE
632	2	EACH	CONDUIT RISER, 2" DIAMETER
632	1557	LIN FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	1544	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	2522	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	1317	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	63	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	1	EACH	POWER SERVICE
632	12	EACH	COVERING OF VEHICULAR SIGNAL HEADS
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN
633	1	EACH	CONTROLLER, ACTUATED, 6 PHASE, SOLID-STATE DIGITAL, MICROPROCESSOR, AS PER PLAN
633	1	EACH	COORDINATOR, MULTI-DIAL, SOLID-STATE, DIGITAL, MICROPROCESSOR, SECONDARY