

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

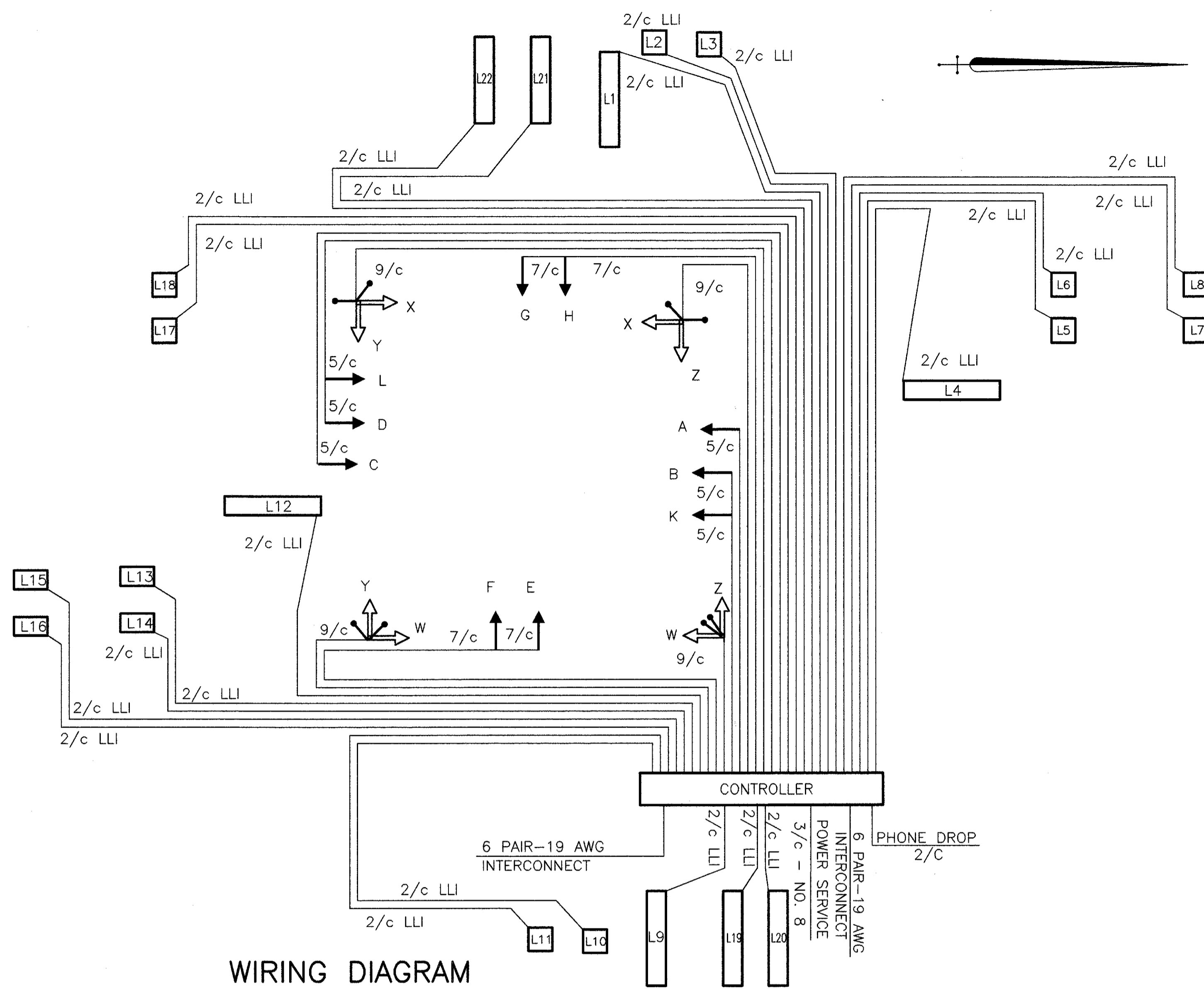
	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	90 SEC	110 SEC	120 SEC
PHASE 1 SPLIT	23 %	17 %	31 %
PHASE 2 SPLIT	39 %	37 %	30 %
PHASE 3 SPLIT	15 %	16 %	12 %
PHASE 4 SPLIT	23 %	30 %	27 %
PHASE 5 SPLIT	23 %	17 %	31 %
PHASE 6 SPLIT	39 %	37 %	30 %
PHASE 7 SPLIT	15 %	16 %	12 %
PHASE 8 SPLIT	23 %	30 %	27 %
PERMISSIVE	5 %	5 %	5 %
OFFSET	56 %	49 %	57 %
TIME OF DAY SCHEDULE	ALL OTHER TIMES	6:30AM TO 2:30PM 6:30PM TO 9:00PM MON-SAT	2:30PM TO 6:30PM MON-SAT

COORDINATION TIMING

LOOP #	SIZE	# TURNS	MODE	DELAY	UNIT	# PHASE
L1	6' x 40'	2	PRESENCE	0	1	3
L2	6' x 6'	3	PRESENCE	0	2	SYSTEM
L3	6' x 6'	3	PRESENCE	0	3	SYSTEM
L4	6' x 40'	2	PRESENCE	0	4	1
L5	6' x 6'	3	PRESENCE	0	5	6
L6	6' x 6'	3	PRESENCE	0	6	6
L7	6' x 6'	3	PRESENCE	0	7	6
L8	6' x 6'	3	PRESENCE	0	8	6
L9	6' x 40'	2	PRESENCE	0	9	7
L10	6' x 6'	3	PRESENCE	0	10	SYSTEM
L11	6' x 6'	3	PRESENCE	0	11	SYSTEM
L12	6' x 40'	2	PRESENCE	0	12	5
L13	6' x 6'	3	PRESENCE	0	13	2
L14	6' x 6'	3	PRESENCE	0	14	2
L15	6' x 6'	3	PRESENCE	0	15	2
L16	6' x 6'	3	PRESENCE	0	16	2
L17	6' x 6'	3	PRESENCE	0	17	SYSTEM
L18	6' x 6'	3	PRESENCE	0	18	SYSTEM
L19	6' x 40'	2	PRESENCE	0	19	4
L20	6' x 40'	2	PRESENCE	8	20	4
L21	6' x 40'	2	PRESENCE	0	21	8
L22	6' x 40'	2	PRESENCE	8	22	8

LOOP DETECTOR CHART

- 1. REMAINS ⚡ IF ⦿2 & ⦿5 NEXT
- 2. REMAINS ⚡ IF ⦿1 & ⦿6 NEXT
- 3. REMAINS ⚡ IF ⦿3 & ⦿8 NEXT
- 4. REMAINS ⚡ IF ⦿4 & ⦿7 NEXT



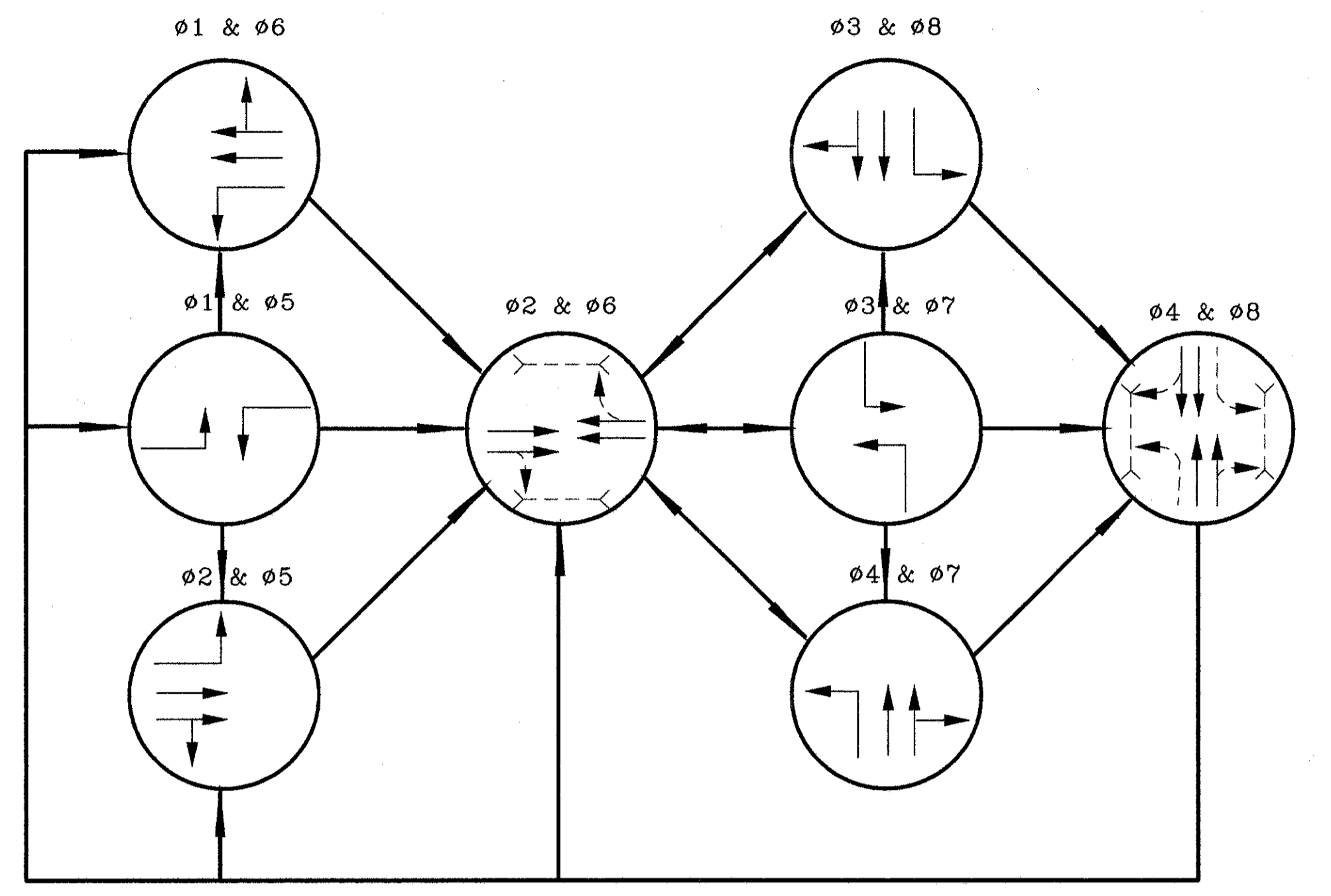
WIRING DIAGRAM

INTERVAL	⦿1	⦿2	⦿3	⦿4	⦿5	⦿6	⦿7	⦿8
MINIMUM GREEN	7	-	7	-	7	-	7	-
PED WALK	-	7	-	5	-	7	-	5
PED CLEARANCE	-	20	-	28	-	20	-	28
GREEN EXTENSION	2.5	3.0	2.5	3.0	2.5	3.0	2.5	3.0
MAXIMUM GREEN	26	38	12	33	26	38	12	33
YELLOW CLEARANCE	4.7	4.7	3.6	3.6	4.7	4.7	3.6	3.6
ALL RED CLEARANCE	1.0	1.0	1.8	1.8	1.0	1.0	1.8	1.8
RECALL	NONE	PED	NONE	NONE	NONE	PED	NONE	NONE

SIGNAL TIMING

SIGNAL HEAD	⦿1 & ⦿5		⦿1 & ⦿6		⦿2 & ⦿5		⦿2 & ⦿6		⦿3 & ⦿7		⦿3 & ⦿8		⦿4 & ⦿7		⦿4 & ⦿8		FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	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	R	R	R	Y
B	R	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	Y
C	⚡	R	⚡	R	R	R	R	R	R	R	R	R	R	R	R	R	Y
D	R	R	G	G	R	R	R	G	Y	R	R	R	R	R	R	R	Y
E	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
F	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
H	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
K	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y
L	R	R	G	G	R	R	R	G	Y	R	R	R	R	R	R	R	Y
W-W	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
X-X	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
Y-Y	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
Z-Z	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK

SIGNAL DISPLAY CHART



PHASING DIAGRAM

ITEM	TOTAL	UNIT	DESCRIPTION
202	125	SQ FT	WALK REMOVED
608	125	SQ FT	4" CONCRETE WALK
625	7	EACH	GROUND ROD
625	13	EACH	PULLBOX, 18", AS PER PLAN
625	932	LIN FT	CONDUIT, 2", 713.04
625	23	LIN FT	CONDUIT, 3", 713.04
625	322	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	955	LIN FT	TRENCH
630	2	EACH	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN
630	10	SQ FT	SIGN, FLAT SHEET, TYPE G
632	8	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1 WAY, AS PER PLAN
632	2	EACH	VEHICULAR SIGNAL HEAD, 5 SECT., 12" LENS, 1 WAY, AS PER PLAN
632	8	EACH	PEDESTRIAN SIGNAL HEAD, TYPE "D-2"
632	8	EACH	PEDESTRIAN PUSHBUTTON
632	20	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	2	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN
632	12.06	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATIONS
632	2	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 12, WITH 45' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 11, WITH 41' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 11, WITH 44' ARM
632	2	EACH	PEDESTAL, 8', TRANSFORMER BASE
632	4	EACH	CABLE SUPPORT ASSEMBLY
632	1414	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	897	LIN FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	454	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	684	LIN FT	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG
632	3988	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	5291	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	86	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	1	EACH	CONDUIT RISER, 2" DIA.
632	10	EACH	COVERING OF VEHICULAR SIGNAL HEADS
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN
632	1	EACH	PHONE DROP
633	10.42	SQ FT	CONTROLLER WORK PAD
633	1.85	CU YD	CONCRETE FOR CABINET FOUNDATION
633	1	EACH	CONTROLLER, ACTUATED, 8 PHASE, SOLID-STATE DIGITAL, MICROPROCESSOR, AS PER PLAN
633	1	EACH	CONTROLLER, MASTER, SOLID-STATE DIGITAL, MICROPROCESSOR, TRAFFIC RESPONSIVE, AS PER PLAN