

SIGNAL DISPLAY CHART

SIGNAL HEAD	#2				#4				FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	
A	G	G	Y	R	R	R	R	R	Y
B	G	G	Y	R	R	R	R	R	Y
C	G	G	Y	R	R	R	R	R	Y
D	G	G	Y	R	R	R	R	R	Y
E	R	R	R	R	G	G	Y	R	R
F	R	R	R	R	G	G	Y	R	R
G	R	R	R	R	G	G	Y	R	R
H	R	R	R	R	G	G	Y	R	R
Y-Y	W	FDW	DW	DW	DW	DW	DW	DW	DARK
Z-Z	DW	DW	DW	DW	W	FDW	DW	DW	DARK

SIGNAL TIMING

INTERVAL	#2	#4
INITIAL	17	10
PASSAGE		3.0
YELLOW	3.6	3.1
RED CLEAR	2.0	1.6
MAX I	41	44
MAX II	41	44
WALK	7	7
PED CLEAR	9	13
RECALL	MIN	NONE
MEMORY	ON	OFF

COORDINATION TIMING

	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	85 SEC.	90 SEC.	95 SEC.
PHASE 2 SPLIT	49%	48%	49%
PHASE 4 SPLIT	51%	52%	51%
PERMISSIVE	5%	5%	5%
OFFSET	94%	98%	95%
TIME OF DAY SCHEDULE	ALL OTHER TIMES	6:30AM TO 9:00AM MON-SAT	3:30PM TO 6:30PM MON-SAT

LOOP DETECTOR CHART

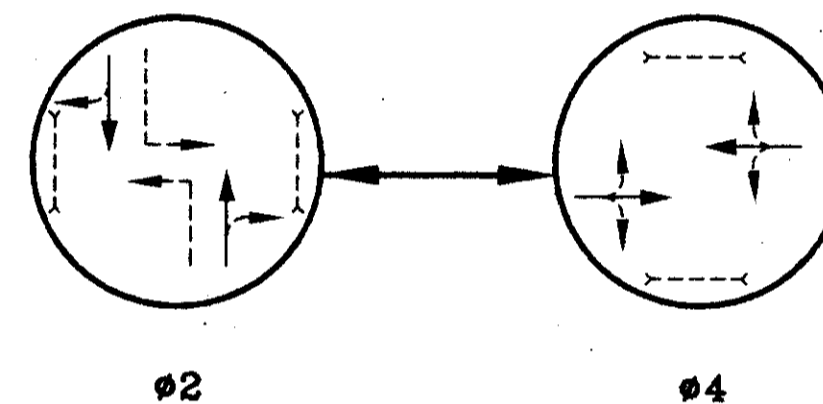
LOOP #	SIZE	# TURNS	MODE	DELAY	AMP #	PHASE
L1	1.8m x 6.5m	2-4-2	PRESENCE	2	1	4
L2	1.8m x 10.7m	2-4-2	PRESENCE	2	2	4
L3	1.8m x 7.6m	2-4-2	PRESENCE	2	3	4
L4	1.8m x 10.7m	2-4-2	PRESENCE	2	4	4
S1	1.8m x 1.8m	3	PRESENCE		5	SYSTEM

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

ESTIMATED QUANTITIES

ITEM	QUANT	UNIT	DESCRIPTION
202	65	SQ. METER	WALK REMOVED, AS PER PLAN
608	65	SQ. METER	100mm CONCRETE WALK
625	72.1	METER	CONDUIT, 51 mm, 713.04
625	3.2	METER	CONDUIT, 76 mm, 713.04
625	58.4	METER	CONDUIT, JACKED OR DRILLED, SIZE: 76 mm
625	75.3	METER	TRENCH
625	2	EACH	PULLBOX, 713.08, 450 mm
625	5	EACH	PULLBOX REMOVED
625	5	EACH	PULLBOX, MISC.: 330 mm X 600 mm, AS PER PLAN
625	5	EACH	GROUND ROD
632	8	EACH	VEHICULAR SIGNAL HEAD, 3-SECT., 300 mm LENS, 1-WAY, AS PER PLAN
632	8	EACH	PEDESTRIAN SIGNAL HEAD, TYPE D2, AS PER PLAN
632	8	EACH	COVERING OF VEHICULAR SIGNAL HEAD
632	8	EACH	PEDESTRIAN PUSHBUTTON, AS PER PLAN
632	5	EACH	DETECTOR LOOP
632	1	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	4	EACH	LOOP DETECTOR UNIT, DELAY & EXTENSION TYPE, AS PER PLAN
632	238.5	METER	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG
632	257.1	METER	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	193.9	METER	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	238.5	METER	SIGNAL CABLE, MISC.: PREEMPT DETECTOR CABLE
632	4	EACH	SIGNAL SUPPORT FOUNDATION
632	599.6	METER	LOOP DETECTOR LEAD-IN CABLE
632	1	EACH	POWER SERVICE
632	2	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 2, AS PER PLAN
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 3, AS PER PLAN
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 11, AS PER PLAN
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION
633	1	EACH	CONTROLLER, ACTUATED, 4 PHASE, SOLID-STATE DIGITAL MICROPROCESSOR, AS PER PLAN
633	.72	CU. METER	CONCRETE FOR CABINET FOUNDATION
633	.80	SQ. METER	CONTROLLER WORK PAD
633	4	EACH	CONTROLLER ITEM, MISC.: PREEMPT DETECTORS
633	1	EACH	CONTROLLER ITEM, MISC.: PREEMPT PHASE SELECTOR
633	4	EACH	CONTROLLER ITEM, MISC.: CONFIRMATION LIGHT

PHASING DIAGRAM



PREEMPT CHANNELS

CHANNEL 1 = #2 (EASTBOUND ONLY) CHANNEL 3 = #4 (NORTHBOUND ONLY)
 CHANNEL 2 = #2 (WESTBOUND ONLY) CHANNEL 4 = #4 (SOUTHBOUND ONLY)

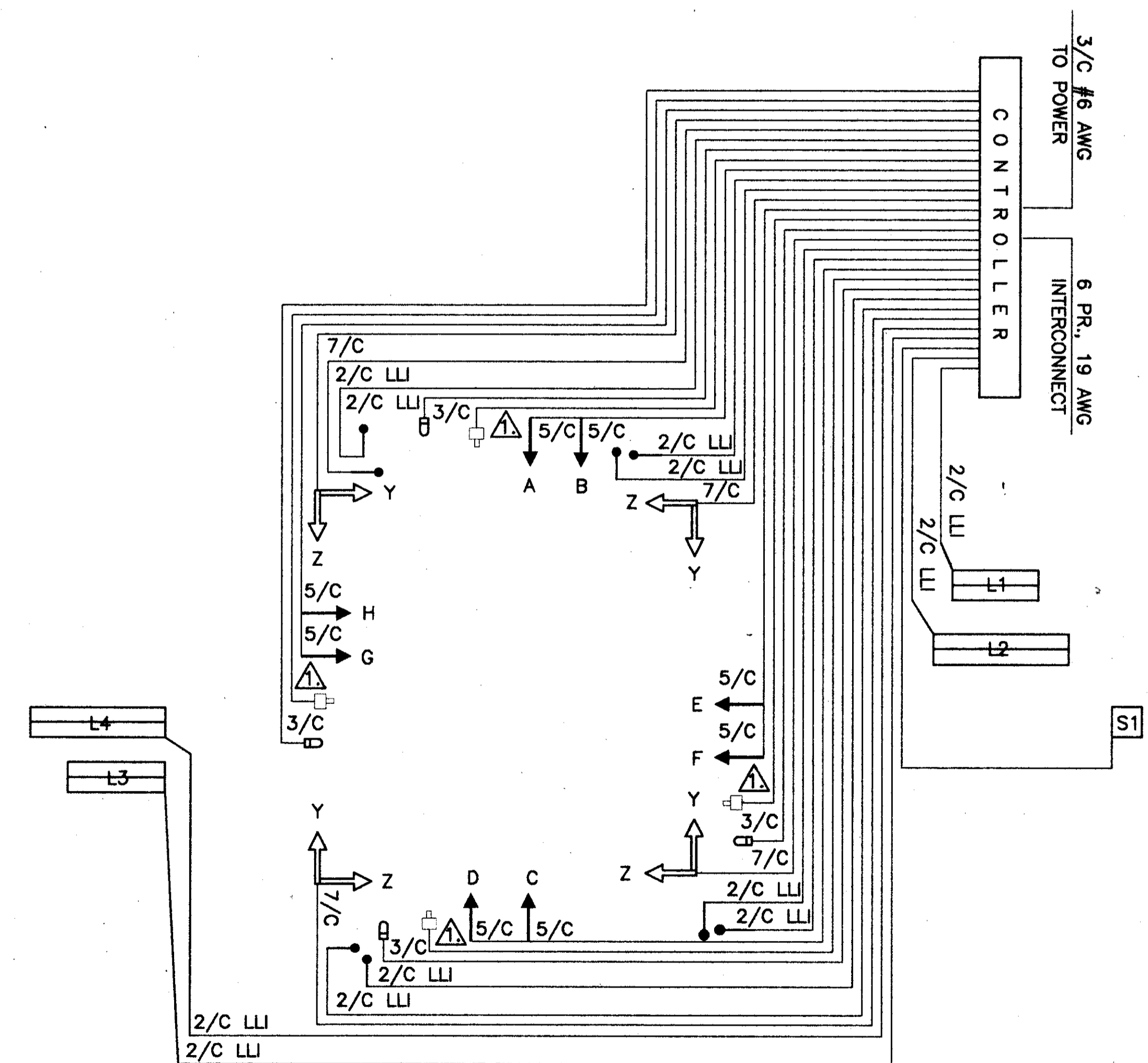
PREEMPT NOTES:

- ACTIVE WALK INDICATIONS SHALL IMMEDIATELY GO TO "DON'T WALK" UPON RECEIVING PREEMPTION SIGNAL.
- IF PHASE ACTIVE CONFLICTS WITH PREEMPT PHASE CALLED, IT SHALL IMMEDIATELY TIME ITS YELLOW AND ALL RED CLEARANCES.
- IF ACTIVE PHASE = THE PREEMPT PHASE, THEN THE PHASE SHALL HOLD FOR THE DURATION OF THE PREEMPT SIGNAL.
- AFTER RELEASE FROM PREEMPT, YELLOW AND ALL RED CLEARANCE SHALL BE DISPLAYED AND RETURN PHASE SHALL BE #2.
- IF PREEMPT PHASES = RETURN PHASE #2 THEN YELLOW AND ALL RED CLEARANCE AFTER PREEMPT SHALL NOT BE DISPLAYED.

NOTE:

ALL PUSHBUTTON(S) SHALL BE WIRED WITH 2 CONDUCTOR LOOP LEAD-IN CABLE (2/C LLI). CONTRACTOR SHALL HOOK-UP THE DRAIN WIRE TO THE CONTROLLER GROUND.

WIRING DIAGRAM



SYMBOL

- = PREEMPT DETECTOR
- ⊞ = CONFIRMATION LIGHT
- △ = PREEMPT DETECTOR CABLE