

SIGNAL DISPLAY CHART

SIGNAL HEAD	#2				#3				#4				FLASH
	R/W	CLEAR			R/W	CLEAR			R/W	CLEAR			
A	G	G	Y	R	R	R	R	R	R	R	R	R	Y
B	G	G	Y	R	R	R	R	R	R	R	R	R	Y
C	G	G	Y	R	R	R	R	R	R	R	R	R	Y
D	G	G	Y	R	R	R	R	R	R	R	R	R	Y
E	R	R	R	R	R	R	R	R	G	G	Y	R	R
F	R	R	R	R	R	R	R	R	G	G	Y	R	R
G	R	R	R	R	R	R	R	R	G	G	Y	R	R
H	R	R	R	R	R	R	R	R	G	G	Y	R	R
J	R	R	R	R	R	R	R	R	G	G	Y	R	R
K	R	R	R	R	R	R	R	R	G	G	Y	R	R
W-W	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
X-X	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
Y-Y	DW	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DARK
Z-Z	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	DARK

LOOP DETECTOR CHART

LOOP #	SIZE	# TURNS	MODE	DELAY	AMP #	PHASE
L1	2.0m X 11.0m	2	PRESENCE	8	1	4
L2	1.8m X 11.0m	2	PRESENCE	8	2	3
L3	1.8m X 11.0m	2	PRESENCE	2	3	3

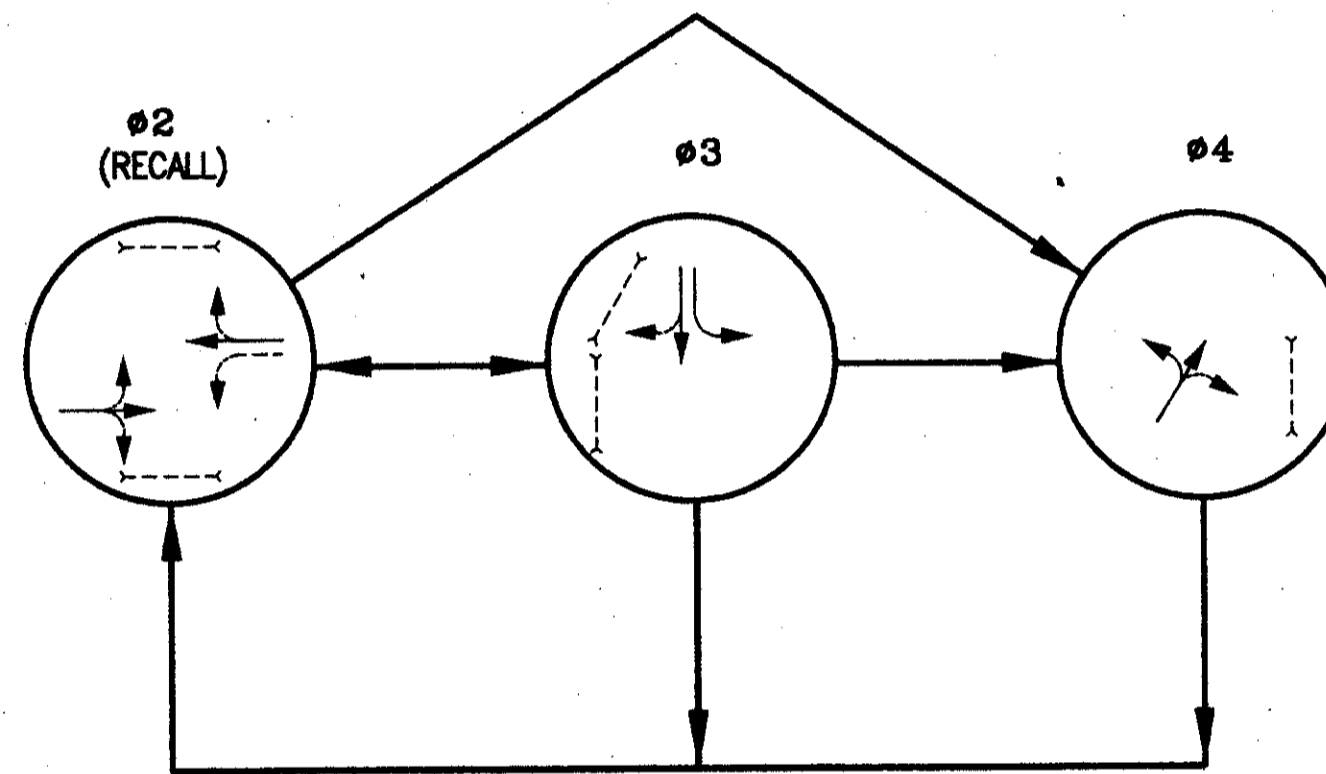
SIGNAL TIMING

INTERVAL	#2	#3	#4
MINIMUM INITIAL	24	10	10
PASSAGE	3.0	3.0	3.0
YELLOW CLEAR	4.6	4.1	4.6
RED CLEAR	2.0	2.0	2.0
MAX I	60	30	30
MAX II	60	30	30
WALK	7	7	5
PEDESTRIAN CLEAR	16	14	21
RECALL	MAX	NONE	NONE
MEMORY	ON	OFF	OFF

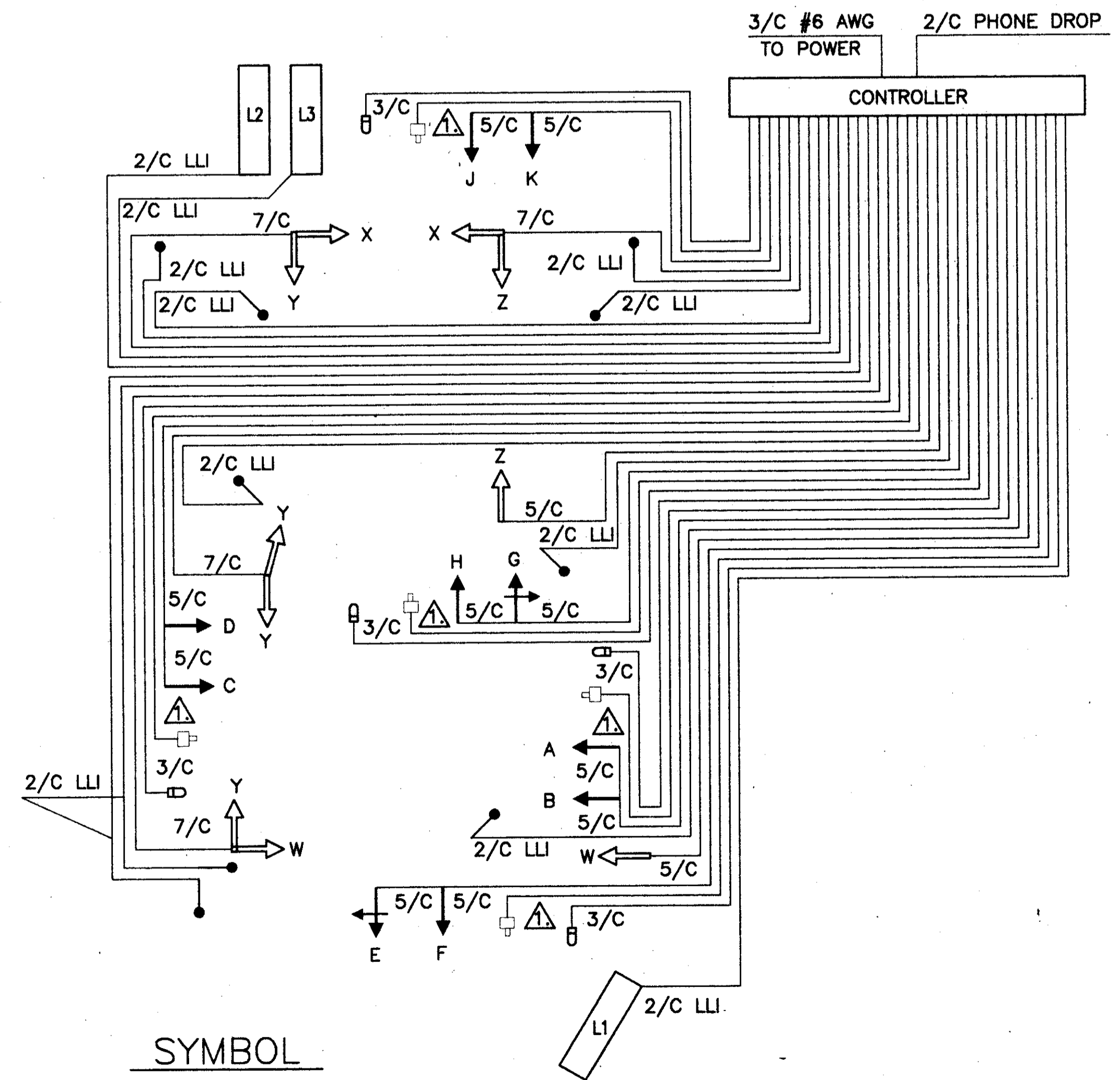
ESTIMATED QUANTITIES

ITEM	QUANT	UNIT	DESCRIPTION
202	28.9	SQ. METER	WALK REMOVED, AS PER PLAN
608	28.9	SQ. METER	100mm CONCRETE WALK
608	6	EACH	CURB RAMP, TYPE 2
608	8.2	SQ. METER	CURB RAMP, TYPE 2
625	67	METER	CONDUIT, 51 mm, 713.04
625	3.4	METER	CONDUIT, 102 mm, 713.04
625	17	METER	CONDUIT, JACKED OR DRILLED, SIZE: 51 mm
625	85.4	METER	CONDUIT, JACKED OR DRILLED, SIZE: 76 mm
625	70.4	METER	TRENCH
625	8	EACH	PULLBOX, MISC.: 330 mm X 600 mm, AS PER PLAN
625	7	EACH	GROUND ROD
630	4	EACH	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN
630	4	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN & REERECTION
632	6	EACH	VEHICULAR SIGNAL HEAD, 3-SECT., 300 mm LENS, 1-WAY, AS PER PLAN
632	2	EACH	VEHICULAR SIGNAL HEAD, 4-SECT., 300 mm LENS, 1-WAY, AS PER PLAN
632	10	EACH	PEDESTRIAN SIGNAL HEAD, TYPE D2, AS PER PLAN
632	8	EACH	COVERING OF VEHICULAR SIGNAL HEAD
632	9	EACH	PEDESTRIAN PUSHBUTTON, AS PER PLAN
632	3	EACH	DETECTOR LOOP
632	3	EACH	LOOP DETECTOR UNIT, DELAY & EXTENSION TYPE, AS PER PLAN
632	264.4	METER	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG
632	379.2	METER	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	205.8	METER	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	264.4	METER	SIGNAL CABLE, MISC.: PREEMPT DETECTOR CABLE
632	1	EACH	PHONE DROP
632	2	EACH	SIGNAL SUPPORT FOUNDATION
632	4	EACH	PEDESTAL FOUNDATION
632	673.7	METER	LOOP DETECTOR LEAD-IN CABLE
632	15	METER	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
632	1	EACH	CONDUIT RISER, 51mm DIAMETER
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 2
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 11
632	4	EACH	PEDESTAL, 2.4M, TRANSFORMER BASE
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



WIRING 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.

SYMBOL

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