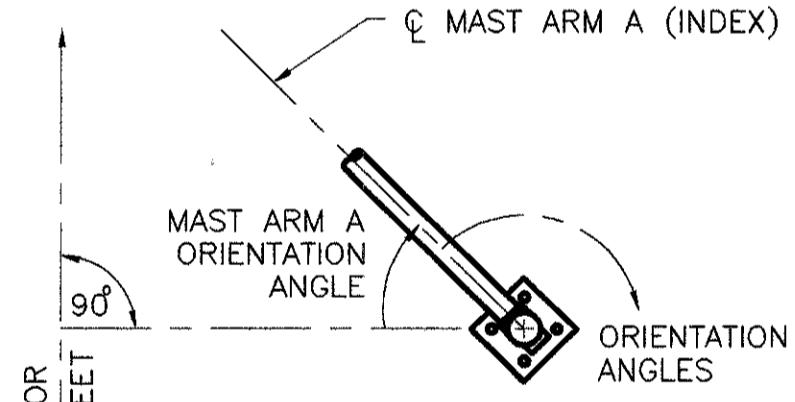
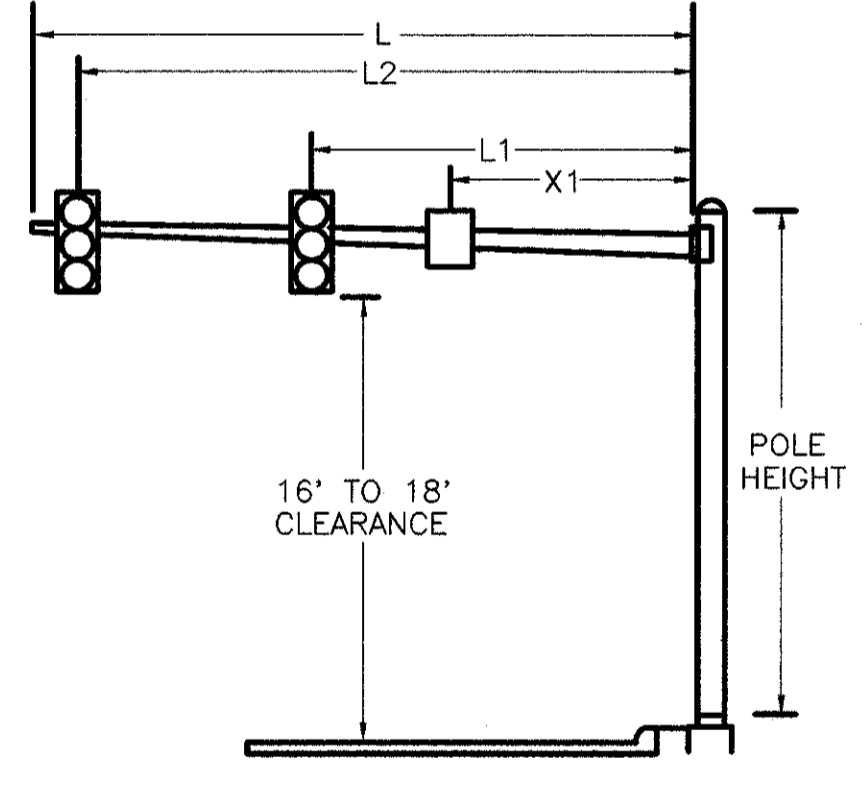


SIGNAL HEAD	ø2				ø4				FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	
A	G	G	Y	R	R	R	R	R	Y
B	G	G	Y	R	R	R	R	R	Y
C	G	G	Y	R	R	R	R	R	Y
D	G	G	Y	R	R	R	R	R	Y
E	R	R	R	R	G	G	Y	R	R
F	R	R	R	R	G	G	Y	R	R
G	R	R	R	R	G	G	Y	R	R
H	R	R	R	R	G	G	Y	R	R
S-S	DW	DW	DW	DW	W	FDW	DW	DW	DARK
T-T	W	FDW	DW	DW	DW	DW	DW	DW	DARK

SIGNAL DISPLAY CHART

FUNCTION	ø2	ø4
MINIMUM GREEN	24	8
PED WALK	7	7
PED CLEARANCE	17	15
GREEN EXTENSION	3.0	3.0
MAXIMUM GREEN	78	23
YELLOW CLEARANCE	3.6	3.1
ALL RED CLEARANCE	1.2	1.6
RECALL	PED	NONE

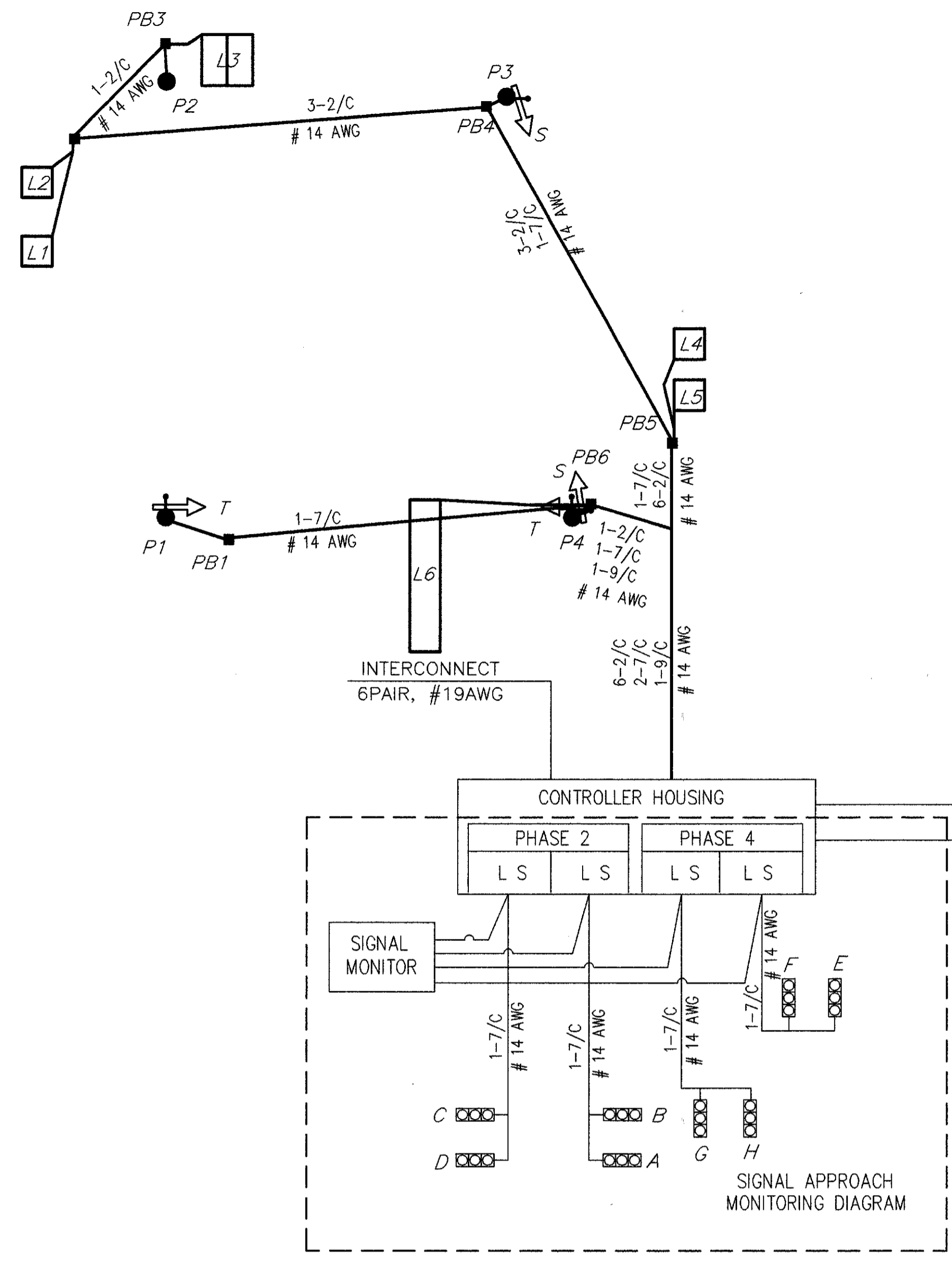
SIGNAL TIMING



NOTES:
1. ALL ANGLES MEASURED CLOCKWISE.
2. BASE PLATE IS ORIENTED SQUARE TO MAST ARM A (LARGEST ARM) EVEN IF SUPPORT HAS TWO MAST ARMS.

SUPPORT NO.	SIGNAL SUPPORT		TC-81.20 TC-12.30					ORIENTATION ANGLES (DEG.) FROM MAST ARM "A"									
	POLE DESIGN NO.	ARM DESIGN NO.	FOUNDATION	L	L1	L2	L3	X1	MAST ARM A ANGLE (DEG.)	MAST ARM B	PEDESTRIAN SIGNALS	PEDESTRIAN PUSH BUTTONS	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET	HANDHOLE	CABLE ENTRANCE (12" FROM TOP)
P1	1	1	157+57	43'R	15	4	14		90		270	270				180	
P2	3	3	157+75	43'L	35	21	34		0							180	
P3	1	1	158+42	40'L	22	13	21		90	170	180				180		
P4	3	3	158+55	48'R	35	22	34		0	85	90				180		

ORIENTATION ANGLE CHART



WIRING DIAGRAM

LOOP #	SIZE	# TURNS	MODE	DELAY	UNIT	# PHASE
L1	6' x 6'	3	PRESENCE	0	1	SYSTEM
L2	6' x 6'	3	PRESENCE	0	2	SYSTEM
L3	10' x 10'	2-4-2	PRESENCE	8	3	4
L4	6' x 6'	3	PRESENCE	0	4	SYSTEM
L5	6' x 6'	3	PRESENCE	0	5	SYSTEM
L6	6' x 30'	2	PRESENCE	8	6	4

LOOP DETECTOR CHART

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

	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	100	120	110
PHASE 2 SPLIT	72 %	77 %	75 %
PHASE 4 SPLIT	28 %	23 %	24 %
PERMISSIVE	15 %	15 %	15 %
OFFSET	66 %	59 %	68 %
TIME OF DAY SCHEDULE	ALL OTHER TIMES	6:30AM TO 9:00AM MON-SAT	3:30PM TO 6:30PM MON-SAT

COORDINATION TIMING

ITEM	TOTAL	UNIT	DESCRIPTION
202	115	SQ FT	WALK REMOVED
608	115	SQ FT	4" CONCRETE WALK
625	5	EACH	GROUND ROD
625	6	EACH	PULLBOX, MISC: AS PER PLAN
625	153	LIN FT	CONDUIT, 2", 713.04
625	23	LIN FT	CONDUIT, 3", 713.04
625	143	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	131	LIN FT	TRENCH
625	45	LIN FT	TRENCH IN PAVED AREA, TYPE "B"
632	8	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1-WAY, AS PER PLAN
632	4	EACH	PEDESTRIAN SIGNAL HEAD, TYPE D2
632	4	EACH	PEDESTRIAN PUSHBUTTON
632	4	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	2	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN
632	6.30	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATION
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 1, WITH 15' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 1, WITH 22' ARM
632	2	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 3, WITH 35' ARM
632	4	EACH	CABLE SUPPORT ASSEMBLY
632	263	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	858	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	51	LIN FT	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG
632	742	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	648	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	46	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	1	EACH	CONDUIT RISER, 1 1/2"
632	8	EACH	COVERING OF VEHICULAR SIGNAL HEAD
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN
633	8.33	SQ FT	CONTROLLER WORK PAD
633	.99	CU YD	CONCRETE FOR CABINET FOUNDATION
633	1	EACH	CONTROLLER, ACTUATED, 4 PHASE, SOLID STATE DIGITAL MICROPROCESSOR, AS PER PLAN