

SIGNAL DISPLAY CHART

SIGNAL HEAD	ø1				ø2				FLASH
	R/W	R	R	CLEAR	R/W	R	R	CLEAR	
A	R	R	R	R	G	G	Y	R	R
B	R	R	R	R	G	G	Y	R	R
C	G	G	Y	R	R	R	R	R	Y
D	G	G	Y	R	R	R	R	R	Y
E	G	G	Y	R	R	R	R	R	Y
F	G	G	Y	R	R	R	R	R	Y
X-X	W	FD	D	D	D	D	D	D	DARK
Y-Y	D	D	D	D	W	FD	D	D	DARK

LOOP DETECTOR CHART

LOOP #	SIZE	# TURNS	MODE	DELAY	AMP #	PHASE
L1	6' x 35'	2-4-2	PRESENCE	8	1	2

COORDINATION TIMING

	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	80 SEC	90 SEC	
PHASE 1 SPLIT	74 %	77 %	
PHASE 2 SPLIT	26 %	23 %	
PERMISSIVE	15 %	15 %	
OFFSET	66 %	65 %	
TIME OF DAY SCHEDULE	ALL OTHER TIMES	3:00PM TO 6:30PM MON-SAT	

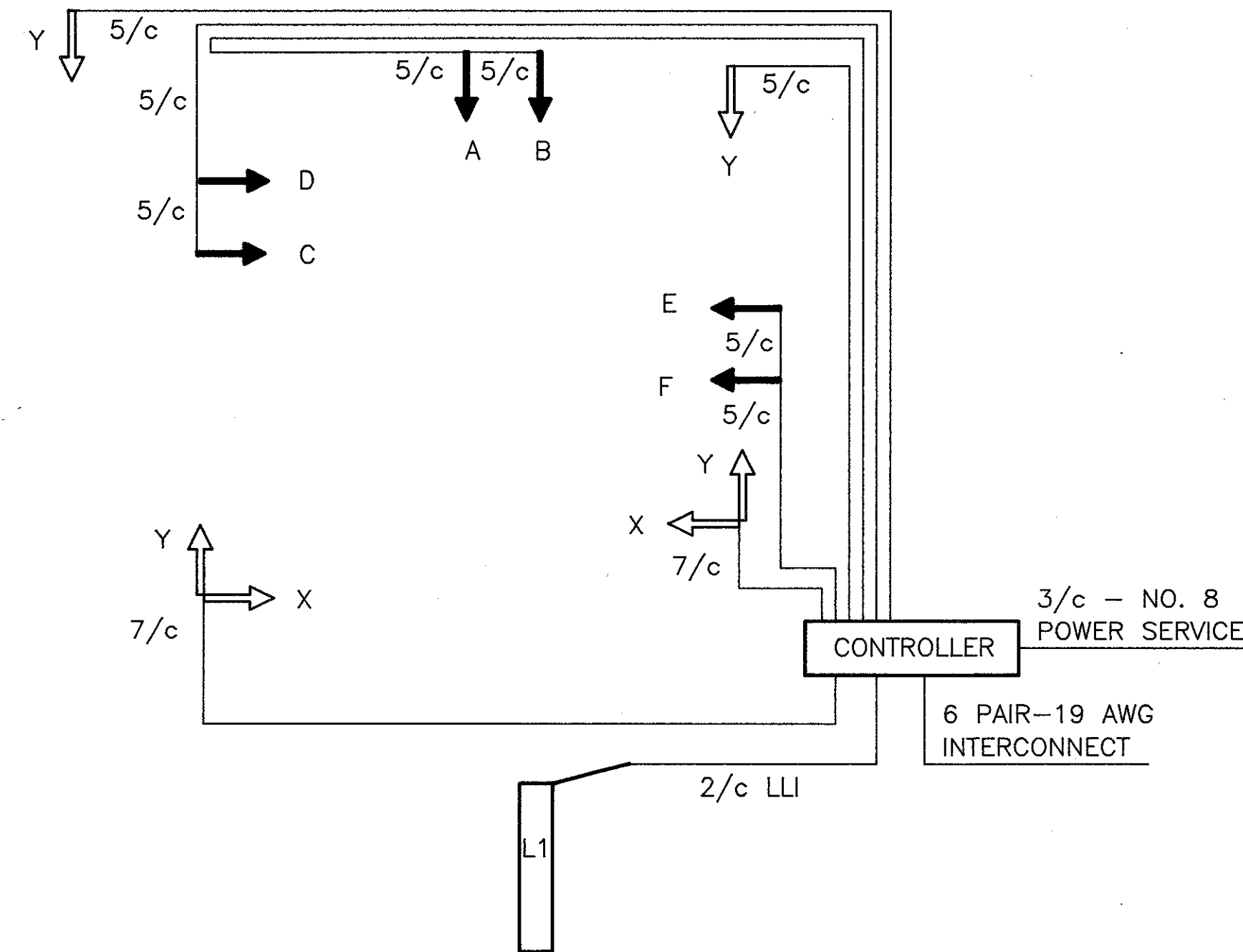
NOTES:

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 2 YELLOW

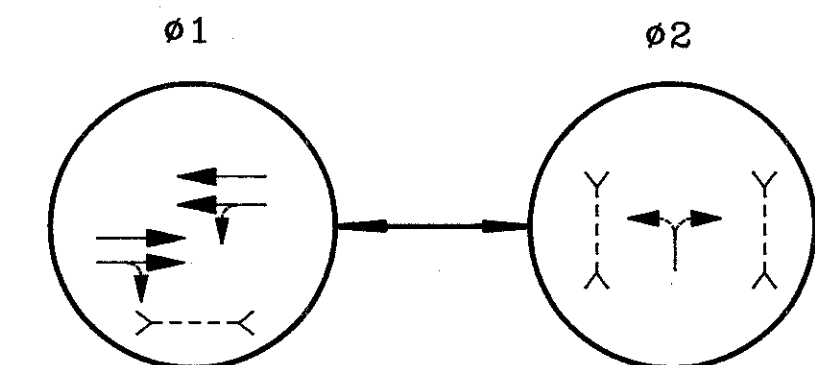
SIGNAL TIMING

INTERVAL	ø1	ø2
INITIAL	19	19
PASSAGE	5.0	3.0
YELLOW	3.6	3.1
RED CLEAR	1.0	1.4
MAX I	20	20
MAX II	20	20
WALK	7	7
PED CLEAR	6	8
RECALL	PED	NONE
MEMORY	LOCK	LOCK

WIRING DIAGRAM



PHASING DIAGRAM



CALC. BY:	LAK-20/84-0.39/1.24	OHIO
CHKD. BY:		FHWA REGION 5
DATE:		FEDERAL PROJECT

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ITEM	TOTAL	UNIT	DESCRIPTION
625	5	EACH	GROUND ROD
625	4	EACH	PULLBOX, 713.08, 18", AS PER PLAN
625	76	LIN FT	CONDUIT 2", 713.04
625	14	LIN FT	CONDUIT 3", 713.04
625	96	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	77	LIN FT	TRENCH IN PAVED AREAS, TYPE "B"
632	6	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1 WAY, AS PER PLAN
632	6	EACH	PEDESTRIAN SIGNAL HEAD, TYPE "D-2"
632	4	EACH	PEDESTRIAN PUSHBUTTON WITH R-73C-9 SIGN
632	1	EACH	LOOP DETECTOR UNIT, DELAY & EXTENSION TYPE, AS PER PLAN
632	122	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	3.85	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATIONS
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 1, 19" ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 3, WITH MAST ARMS DES. 2, 27' AND DES. 1, 20'
632	2	EACH	PEDESTAL, 8', TRANSFORMER BASE
632	1	EACH	CONDUIT RISER, 2" DIAMETER
632	693	LIN FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	135	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	336	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	29	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	52	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	1	EACH	POWER SERVICE
632	6	EACH	COVERING OF VEHICULAR SIGNAL HEADS
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN
633	1	EACH	CONTROLLER, ACTUATED, 2 PHASE, SOLID-STATE DIGITAL MICROPROCESSOR, AS PER PLAN
633	1	EACH	COORDINATOR, MULTI-DIAL, SOLID-STATE, DIGITAL, MICROPROCESSOR SECONDARY
633	0.99	CU YD	CONCRETE FOR Cabinet FOUNDATION