

SIGNAL DISPLAY CHART

SIGNAL HEAD	#1		#2				#3				#4		FLASH	
	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
B	R	R	R	R	R	R	R	R	R	R	R	R	R	R
C	R	R	R	G	G	Y	R	R	R	R	R	R	R	R
D	R	R	R	G	G	Y	R	R	R	R	R	R	R	R
E	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
G	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
J	G	Y	R	R	R	R	R	R	R	R	R	R	R	R
K	G	Y	R	R	R	R	R	R	R	R	R	R	R	R
L	R	R	R	G	G	Y	R	R	R	R	R	R	R	R
M	R	R	R	G	G	Y	R	R	R	R	R	R	R	R
N	G	Y	R	R	R	R	R	R	R	R	R	R	R	R
O	G	Y	R	R	R	R	R	R	R	R	R	R	R	R
V-V	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW
W-W	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
X-X	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW
Y-Y	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
Z-Z	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW

SIGNAL TIMING

INTERVAL	#1	#2	#3	#4
INITIAL	17	18	17	20
PASSAGE	2.5	3.5	3.5	3.5
YELLOW	3.6	5	5	5
RED CLEAR	1.4	2	2	2
MAX I	30	60	15	15
MAX II	30	60	15	15
WALK	10	10	10	10
PED CLEAR	10	11	10	13
RECALL	NONE	NONE	NONE	NONE
MEMORY	ON	ON	ON	ON

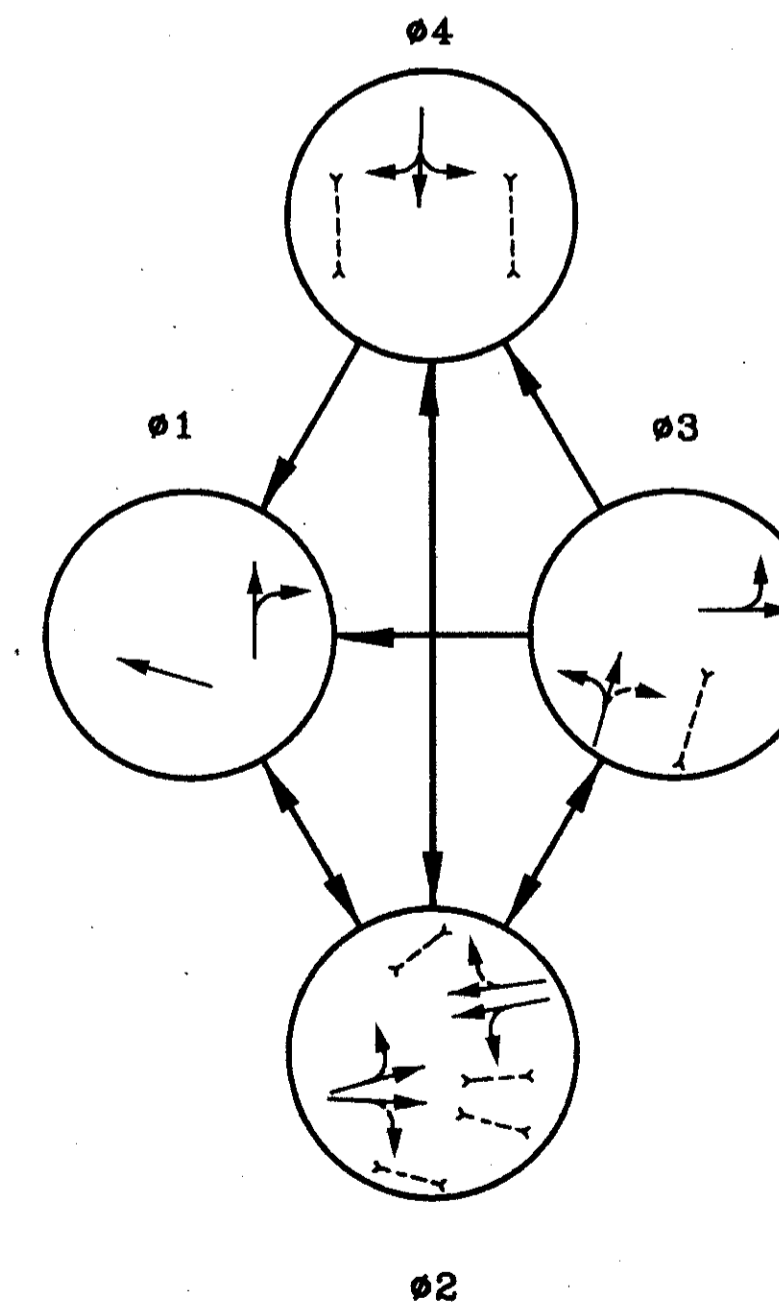
LOOP DETECTOR CHART

LOOP #	SIZE	# TURNS	MODE	DELAY	AMP #	PHASE
L1	2.0 m x 12.3 m	2-4-2	PRESENCE	8	1	2
L2	1.9 m x 12.3 m	2-4-2	PRESENCE	2	2	2
L3	2.0m x 3.4m x 12.2m	2-4-2	PRESENCE	8	3	2
L4	1.8 m x 12.2 m	2	PRESENCE	2	4	2
L5	2.5m x 3.1m x 12.0m	2-4-2	PRESENCE	8	5	3
L6	1.8 m x 12.2 m	2-4-2	PRESENCE	8	6	4
L7	3.0 m X 5.0 m	3	PRESENCE	8	7	1
L8	1.8 m X 4.0 m	3	PRESENCE	8	8	2

ESTIMATED QUANTITIES

ITEM	QUANT	UNIT	DESCRIPTION
202	32.1	SQ. METER	WALK REMOVED, AS PER PLAN
608	32.1	SQ. METER	100mm CONCRETE WALK
625	65.6	METER	CONDUIT, 51 mm, 713.04
625	8.6	METER	CONDUIT, 76 mm, 713.04
625	1	METER	CONDUIT, 102 mm, 713.04
625	92.8	METER	CONDUIT, JACKED OR DRILLED, SIZE: 76 mm
625	75.2	METER	TRENCH
625	4	EACH	PULLBOX, 713.08, 450 mm
625	3	EACH	PULLBOX, 713.08, 600 mm
625	11	EACH	GROUND ROD
630	4.3	METERS	GROUND MOUNTED SUPPORT, NO. 3 POST
630	1	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED
630	1.13	SQ. METER	SIGN, FLAT SHEET, TYPE G
632	11	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	1	EACH	VEHICULAR SIGNAL HEAD, 5-SECT., 300 mm LENS, 1-WAY, AS PER PLAN
632	14	EACH	PEDESTRIAN SIGNAL HEAD, TYPE D2, AS PER PLAN
632	14	EACH	COVERING OF VEHICULAR SIGNAL HEAD
632	14	EACH	PEDESTRIAN PUSHBUTTON, AS PER PLAN
632	8	EACH	DETECTOR LOOP
632	8	EACH	LOOP DETECTOR UNIT, DELAY & EXTENSION TYPE, AS PER PLAN
632	453.4	METER	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG
632	559.6	METER	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	347.2	METER	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	453.4	METER	SIGNAL CABLE, MISC.: PREEMPT DETECTOR CABLE
632	5	EACH	SIGNAL SUPPORT FOUNDATION
632	5	EACH	PEDESTAL FOUNDATION
632	855.3	METER	LOOP DETECTOR LEAD-IN CABLE
632	26.4	METER	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
632	1	EACH	CONDUIT RISER, 51mm DIAMETER
632	4	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 3, AS PER PLAN
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 12, AS PER PLAN
632	5	EACH	PEDESTAL, 2.4M, TRANSFORMER BASE, AS PER PLAN
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION
632	1	EACH	SIGNALIZATION, MISC.: MICROWAVE DETECTOR UNIT
633	1	EACH	CONTROLLER, ACTUATED, 8 PHASE, SOLID-STATE DIGITAL MICROPROCESSOR, AS PER PLAN
633	1.4	CU. METER	CONCRETE FOR CABINET FOUNDATION
633	1.04	SQ. METER	CONTROLLER WORK PAD
633	5	EACH	CONTROLLER ITEM, MISC.: PREEMPT DETECTORS
633	2	EACH	CONTROLLER ITEM, MISC.: PREEMPT PHASE SELECTOR
633	5	EACH	CONTROLLER ITEM, MISC.: CONFIRMATION LIGHT

PHASING DIAGRAM



CALCULATED
CHECKED

TRAFFIC CONTROL PLAN
MENTOR AVE. (U.S. 20) & WOOD ST./WATSON ST.

LAKE COUNTY
LAK-20-22.916/VARIOUS