



**SIGNAL TIMING**

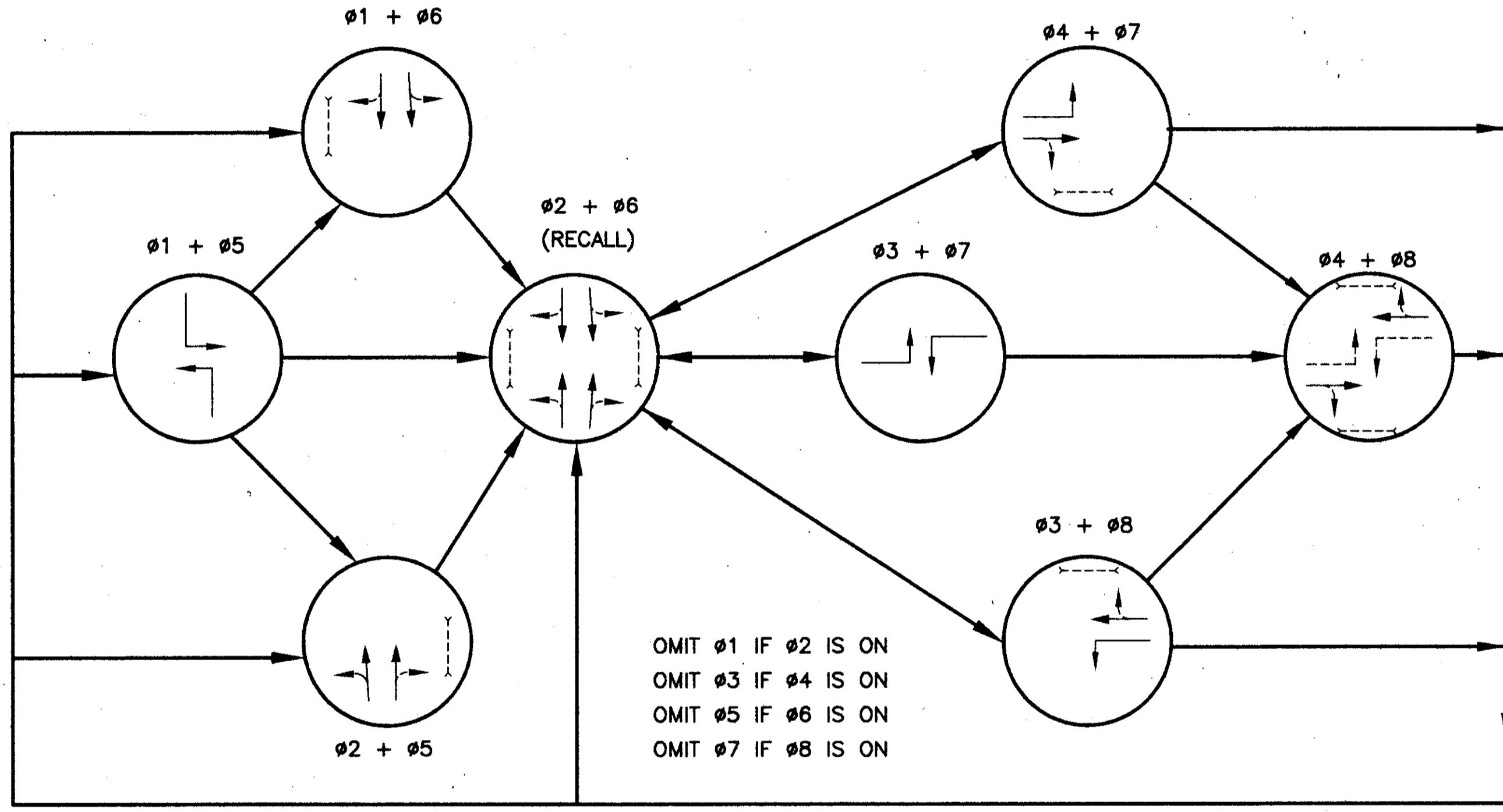
INTERVAL	#1	#2	#3	#4	#5	#6	#7	#8
INITIAL	7	20	7	10	7	20	7	10
PASSAGE	2.5	3.0	2.5	3.0	2.5	3.0	2.5	3.0
YELLOW	3.6	3.2	3.6	3.6	3.6	3.2	3.6	3.6
RED CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MAX I	14	25	14	29	14	25	14	29
MAX II	14	25	14	29	14	25	14	29
WALK		7		7		7		7
PED CLEAR		12		12		12		12
RECALL	NONE	MIN	NONE	NONE	NONE	MIN	NONE	NONE
MEMORY	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF

**COORDINATION TIMING**

	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	95 SEC.	100 SEC.	95 SEC.
PHASE 1 SPLIT	19%	19%	17%
PHASE 2 SPLIT	31%	31%	30%
PHASE 3 SPLIT	19%	19%	17%
PHASE 4 SPLIT	31%	31%	36%
PHASE 5 SPLIT	19%	19%	17%
PHASE 6 SPLIT	31%	31%	30%
PHASE 7 SPLIT	19%	19%	17%
PHASE 8 SPLIT	31%	31%	36%
PERMISSIVE	5%	5%	5%
OFFSET	76%	72%	69%
TIME OF DAY SCHEDULE	ALL OTHER TIMES	6:30 AM TO 9:00 AM MON-SAT	3:30 PM TO 6:30 PM 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 & 6 YELLOW

**PHASING DIAGRAM**



**ESTIMATED QUANTITIES**

ITEM	QUANT	UNIT	DESCRIPTION
202	74.3	SQ. METER	WALK REMOVED, AS PER PLAN
608	74.3	SQ. METER	100mm CONCRETE WALK
608	1	EACH	CURB RAMP, TYPE 2
625	87.9	METER	CONDUIT, 51 mm, 713.04
625	1.7	METER	CONDUIT, 102 mm, 713.04
625	57.8	METER	CONDUIT, JACKED OR DRILLED, SIZE: 76 mm
625	69.5	METER	TRENCH
625	7	EACH	PULLBOX, MISC.: 330 mm X 600 mm, AS PER PLAN
625	5	EACH	GROUND ROD
630	4	EACH	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN
630	.81	SQ. METER	SIGN, FLAT SHEET, TYPE G
630	1	EACH	REMOVAL OF POLE MOUNTED SIGN AND REERECTION
632	4	EACH	VEHICULAR SIGNAL HEAD, 3-SECT., 300 mm LENS, 1-WAY, AS PER PLAN
632	4	EACH	VEHICULAR SIGNAL HEAD, 5-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	14	EACH	DETECTOR LOOP
632	4	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	10	EACH	LOOP DETECTOR UNIT, DELAY & EXTENSION TYPE, AS PER PLAN
632	30.6	METER	MESSENGER WIRE, 7 STRAND, 6 mm DIAMETER WITH ACCESSORIES
632	196.6	METER	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG
632	369.1	METER	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	196.6	METER	SIGNAL CABLE, MISC.: PREEMPT DETECTOR CABLE
632	4	EACH	SIGNAL SUPPORT FOUNDATION
632	858.8	METER	LOOP DETECTOR LEAD-IN CABLE
632	22.2	METER	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
632	4	EACH	CONDUIT RISER, 51mm DIAMETER
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 1
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 3
632	2	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 4
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION
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	4	EACH	CONTROLLER ITEM, MISC.: PREEMPT DETECTORS
633	1	EACH	CONTROLLER ITEM, MISC.: PREEMPT PHASE SELECTOR
633	4	EACH	CONTROLLER ITEM, MISC.: CONFIRMATION LIGHT

**SIGNAL DISPLAY CHART**

SIGNAL HEAD	#1 + #5		#1 + #6		#2 + #5		#2 + #6		#3 + #7		#3 + #8		#4 + #7		#4 + #8		FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	
A	G/R	←/R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	Y
B	R	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	Y
C	G/R	←/R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	Y
D	R	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	Y
E	R	R	R	R	R	R	R	R	R	←/R	←/R	R	←/G	←/G	G	R	R
F	R	R	R	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	←/G	←/G	G	R	R
H	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
W-W	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
X-X	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
Y-Y	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
Z-Z	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK

- NOTES:
- ① REMAINS ←/R #1+#6 IS NEXT
  - ② REMAINS ←/R #2+#5 IS NEXT
  - ③ REMAINS ←/R #3+#8 IS NEXT
  - ④ REMAINS ←/R #4+#7 IS NEXT

TRAFFIC CONTROL PLAN  
 ERIE STREET & RICHMOND ST. (S.R. 283) / LIBERTY ST.

LAKE COUNTY  
 LAK-20-14.35/VARIOUS