

COORDINATION TIMING

	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	105 SEC.	110 SEC.	95 SEC.
PHASE 1 SPLIT	15%	16%	14%
PHASE 2 SPLIT	35%	33%	36%
PHASE 3 SPLIT	16%	17%	14%
PHASE 4 SPLIT	34%	34%	36%
PHASE 5 SPLIT	15%	16%	14%
PHASE 6 SPLIT	35%	33%	36%
PHASE 7 SPLIT	16%	17%	14%
PHASE 8 SPLIT	34%	34%	36%
PERMISSIVE	5%	5%	5%
OFFSET	76%	80%	100%
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

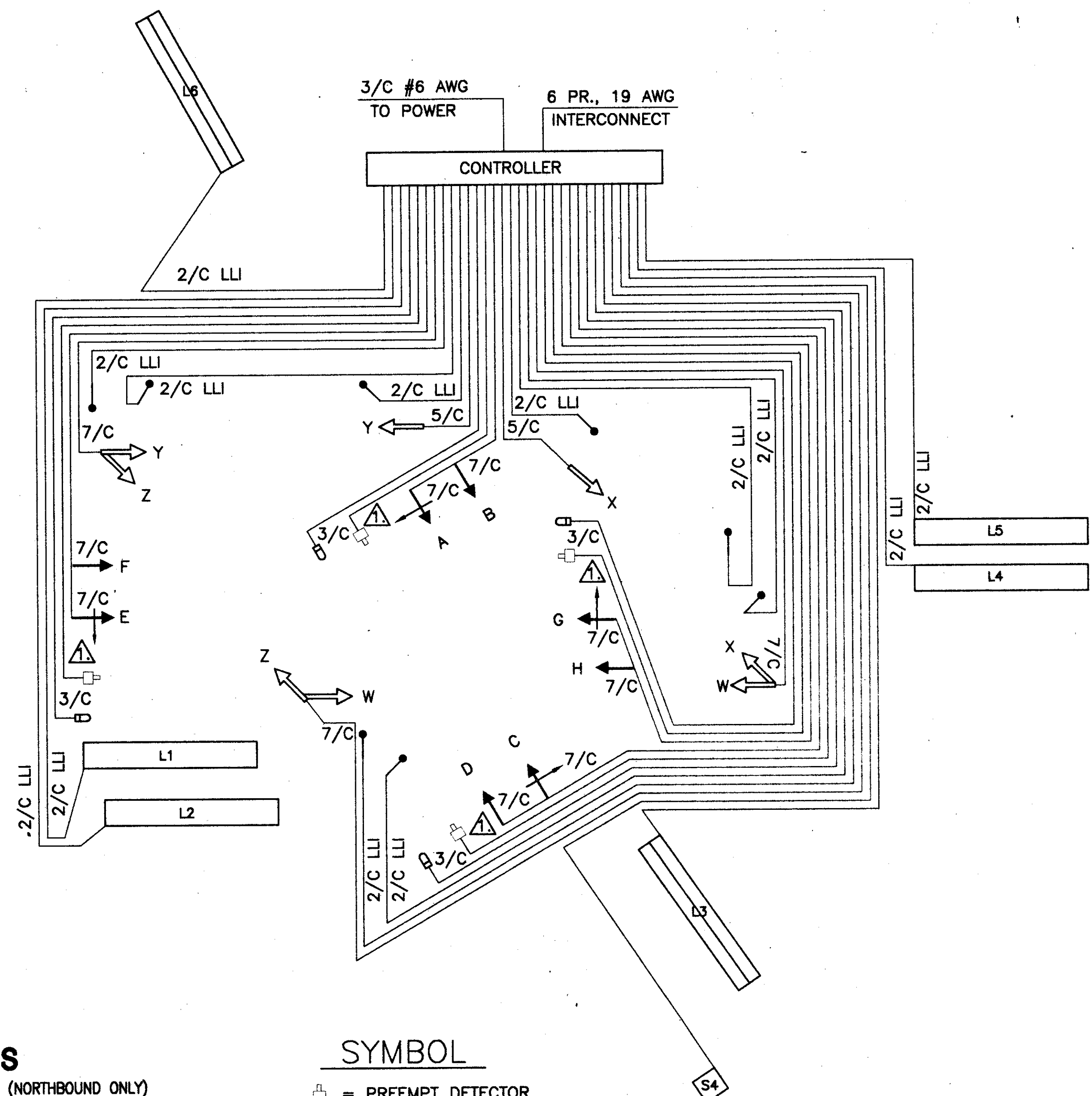
NOTES:

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

ESTIMATED QUANTITIES

ITEM	QUANT	UNIT	DESCRIPTION
202	81.6	SQ. METER	WALK REMOVED, AS PER PLAN
608	81.6	SQ. METER	100mm CONCRETE WALK
625	51.7	METER	CONDUIT, 51 mm, 713.04
625	28.5	METER	CONDUIT, 76 mm, 713.04
625	11.6	METER	CONDUIT, JACKED OR DRILLED, SIZE: 51 mm
625	106.8	METER	CONDUIT, JACKED OR DRILLED, SIZE: 76 mm
625	80.2	METER	TRENCH
625	3	EACH	PULLBOX, 713.08, 450 mm
625	4	EACH	PULLBOX, MISC.: 330 mm X 800 mm, AS PER PLAN
625	1	EACH	PULLBOX, MISC.: 430 mm X 760 mm, AS PER PLAN
625	6	EACH	GROUND ROD
632	4	EACH	VEHICULAR SIGNAL HEAD, 3-SECT., 300 mm LENS, 1-WAY, AS PER PLAN
632	4	EACH	VEHICULAR SIGNAL HEAD, 4-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	9	EACH	DETECTOR LOOP
632	1	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	8	EACH	LOOP DETECTOR UNIT, DELAY & EXTENSION TYPE, AS PER PLAN
632	211.8	METER	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG
632	31.2	METER	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	360.7	METER	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	211.8	METER	SIGNAL CABLE, MISC.: PREEMPT DETECTOR CABLE
632	4	EACH	SIGNAL SUPPORT FOUNDATION
632	1	EACH	PEDESTAL FOUNDATION
632	652.1	METER	LOOP DETECTOR LEAD-IN CABLE
632	14.0	METER	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
632	3	EACH	CONDUIT RISER, 51mm DIAMETER
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 1
632	2	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 3
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 11
632	1	EACH	PEDESTAL, 2.4M, TRANSFORMER BASE
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

WIRING DIAGRAM



PREEMPT CHANNELS

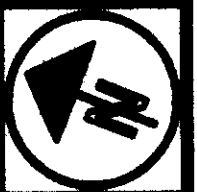
CHANNEL 1 = #2 (EASTBOUND ONLY) CHANNEL 3 = #4 (NORTHBOUND ONLY)
 CHANNEL 2 = #2 (WESTBOUND ONLY) CHANNEL 4 = #4 (SOUTHBOUND ONLY)

PREEMPT NOTES:

1. ACTIVE WALK INDICATIONS SHALL IMMEDIATELY GO TO "DON'T WALK" UPON RECEIVING PREEMPTION SIGNAL.
2. IF PHASE ACTIVE CONFLICTS WITH PREEMPT PHASE CALLED, IT SHALL IMMEDIATELY TIME ITS YELLOW AND ALL RED CLEARANCES.
3. IF ACTIVE PHASE = THE PREEMPT PHASE, THEN THE PHASE SHALL HOLD FOR THE DURATION OF THE PREEMPT SIGNAL.
4. AFTER RELEASE FROM PREEMPT, YELLOW AND ALL RED CLEARANCE SHALL BE DISPLAYED AND RETURN PHASE SHALL BE #2.
5. IF PREEMPT PHASES = RETURN PHASE #2 THEN YELLOW AND ALL RED CLEARANCE AFTER PREEMPT SHALL NOT BE DISPLAYED.

NOTE:

ALL PUSHBUTTON(S) SHALL BE WIRED WITH 2 CONDUCTOR LOOP LEAD-IN CABLE (2/C LLI). CONTRACTOR SHALL HOOK-UP THE DRAIN WIRE TO THE CONTROLLER GROUND.



CALCULATED
CHECKED

TRAFFIC CONTROL PLAN
STATE STREET AND ERIE STREET

LAKE COUNTY
LAK-20-22.916/VAR