18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL
(remove jumper and set switches as shown)

ON   OFF
WD ENABLE
SW2

REMOVE DIODE JUMPER 2-6.

18 CHANNEL PROGRAM CARD

COMPONENT SIDE

YELLOW DISABLE
○ 10 ○ ○ 1 ○
○ 11 ○ ○ 0 ○
○ 12 ○ ○ 1 ○
○ 13 ○ ○ 2 ○
○ 14 ○ ○ 3 ○
○ 15 ○ ○ 4 ○
○ 16 ○ ○ 5 ○
○ 17 ○ ○ 6 ○
○ 18 ○ ○ 7 ○
        ○ 8 ○
        ○ 9 ○

A

INTERNAL DIP SWITCHES

ON →
RF 2010
RP DISABLE
WD 1.0 SEC
GY ENABLE
SF#1 POLARITY   OPTIONS
LEDguard
RF SSM
FYA COMPACT
FYA 1-9
FYA 3-10   FYA
FYA 5-11
FYA 7-12

ON →
1
2
3
4   SSM
5
6
7
8

ON →
9
10
11
12
13   SSM
14
15
16
17
18

FF

■ = DENOTES POSITION OF SWITCH
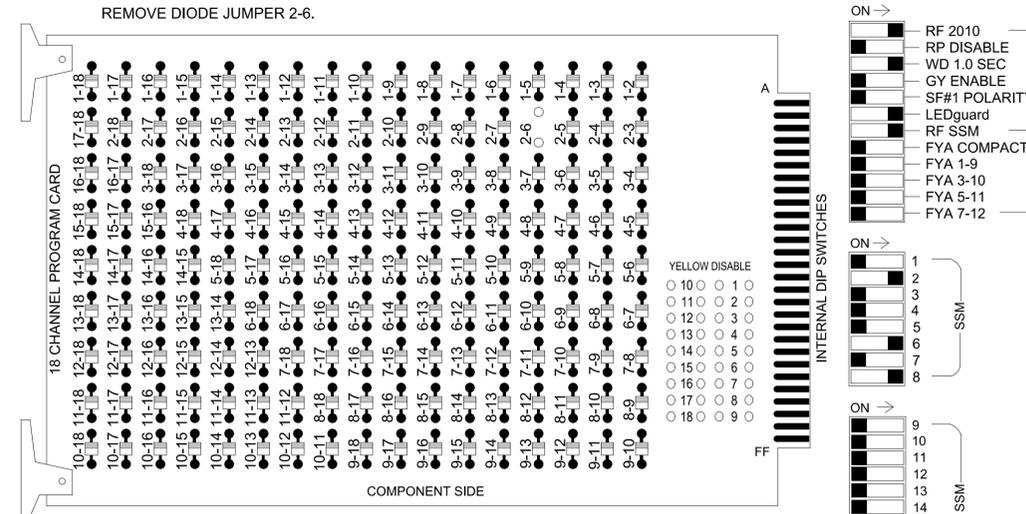
REMOVE JUMPER AS SHOWN

NOTES:
1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that the Red Enable is active at all times during normal operation.
4. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

NOTES

1. To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.

2. Program controller to start up in phase 2 Green No Walk and 6 Green No Walk.

3. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

4. The cabinet and controller are part of the SR 1700 (Covered Bridge Road) System.
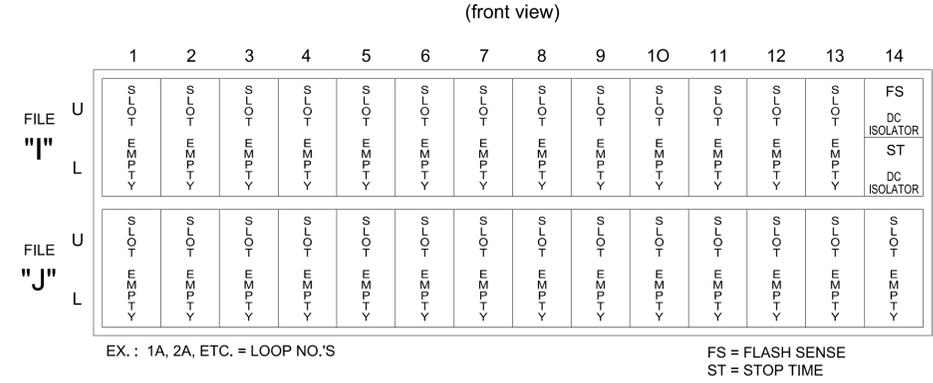
EQUIPMENT INFORMATION

Controller..2070LX
Cabinet...332 w/ Aux
Software..Q-Free MAXTIME
Cabinet Mount.....................................Base
Output File Positions..........................18 With Aux. Output File
Load Switches Used............................S2, S8, S11
Phases Used.......................................2, 6, 8
Overlap "1"..NOT USED
Overlap "2"..NOT USED
Overlap "3"..NOT USED
Overlap "4"..NOT USED

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4 PED	5	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	NU	21,22	NU	NU	NU	NU	NU	61,62	NU	NU	81,82	NU	NU	NU	NU	NU	NU	NU
RED		128						134			107							
YELLOW		129						135										
GREEN		130						136										
RED ARROW																		
YELLOW ARROW											108							
FLASHING YELLOW ARROW																		
GREEN ARROW											109							

NU = Not Used

INPUT FILE POSITION LAYOUT
(front view)

1 2 3 4 5 6 7 8 9 1O 11 12 13 14

FILE "I"
U
L
SLOT EMPTY (×13) | FS / DC ISOLATOR / ST / DC ISOLATOR

FILE "J"
U
L
SLOT EMPTY (×13) | SLOT EMPTY

EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

SPECIAL DETECTOR NOTE

Install a multizone microwave detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer -approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

OUTPUT CHANNEL CONFIGURATION

Front Panel
Main Menu >Controller >More>Channels>Channels Config

Web Interface
Home >Controller >Advanced IO>Channels>Channels Configuration

Channel Configuration

Channel	Control Type	Control Source	Flash Yellow	Flash Red	Flash Alt	MMU Channel
1	Phase Vehicle	1		X	X	1
2	Phase Vehicle	2		X		2
3	Phase Vehicle	3		X	X	3
4	Phase Vehicle	4		X		4
5	Phase Vehicle	5		X		5
6	Phase Vehicle	6		X	X	6
7	Phase Vehicle	7		X		7
8	Phase Vehicle	8		X	X	8
9	Overlap	1		X		9
10	Overlap	2		X		10
11	Overlap	3		X		11
12	Overlap	4		X		12
13	Phase Ped	2		X		13
14	Phase Ped	4		X		14
15	Phase Ped	6		X		15
16	Phase Ped	8		X		16
17	Overlap	5		X	X	17
18	Overlap	6		X		18

MAXTIME STARTUP AND SOFTWARE FLASH PROGRAMMING DETAIL

Front Panel
Main Menu >Controller >Unit

Web Interface
Home >Controller >Unit

Modify parameters as shown below and save changes.

Start Up Parameters
StartUp Clearance Hold
6

Unit Flash Parameters
All Red Flash Exit Time
6