

### SIGNAL PHASING

Ring Configuration 1,2,3,4b  
5,6,7,8b

1 NOT USED	5 NOT USED
2	6
3 NOT USED	7 NOT USED
4 NOT USED	8

MIN RECALL MIN RECALL

### SIGNAL SEQUENCE

RING 1	PHASE 1	PHASE 2	PHASE 3	PHASE 4	FLASH
SIGNAL ID NUMBER	R/W OTH	R/W OTH	R/W OTH	R/W OTH	Y
22,23		G Y			

  

RING 2	PHASE 5	PHASE 6	PHASE 7	PHASE 8	FLASH
SIGNAL ID NUMBER	R/W OTH	R/W OTH	R/W OTH	R/W OTH	Y
62,63,64		▲ Y			
81,83				G Y R	
82				◀ Y R	

### OVERLAP PHASE

OVERLAP PHASE	OL-A/-++	OL-B/-++	OL-C/-++	OL-D/-++	FLASH
SIGNAL ID NUMBER	R/W OTH	R/W OTH	R/W OTH	R/W OTH	Y

◀ RED ARROW ◀ YELLOW ARROW  
◀ GREEN ARROW ✨ FLASHING YELLOW ARROW

### TURNING MOVEMENT COUNT

Phase	1	2	3	4	5	6	7	8
% Grade	0.0%	-2.9%	0.0%	0.0%	0.0%	3.0%	0.0%	1.6%
Distance		35				95		110
Approach Speed (mph)		55				55		20
<b>Yellow</b>		<b>5.5</b>				<b>4.9</b>		<b>3.0</b>
<b>All Red</b>		<b>1.0</b>				<b>1.2</b>		<b>3.4</b>
Total Clearance		6.5				6.1		6.4

### SIGN ID

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### SIGNAL HEAD ID

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PROJECT REFERENCE NO. **I-5973**

SHEET NO. **SIG. 2.2**

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NO.	DATE	BY	REVISION DESCRIPTION

### MALFUNCTION MANAGEMENT UNIT / CONFLICT MONITOR

### PROGRAMMING DETAIL

(program card and tables as shown)

CHANNEL NUMBER	ENABLE/DISABLE
1	DISABLE
2	ENABLE
3	DISABLE
4	DISABLE
5	DISABLE
6	ENABLE
7	DISABLE
8	ENABLE
9	DISABLE
10	DISABLE
11	DISABLE
12	DISABLE
13	DISABLE
14	DISABLE
15	DISABLE
16	DISABLE

### ECONOLITE EOS-2070 SPECIAL MMU PROGRAMMING

(program controller as shown)

- From Main Menu select **1. CONFIGURATION**
- From CONFIGURATION Submenu select **1. CABINET**
- From PORT 1 (SDLC) Submenu select **4. MONITOR PROGRAMMING**

**CAUTION!**

Set intersection to Flash before attempting to enter or change any MMU programming data.

This programming and that of the MMU programming card must match exactly. If they do not, the intersection will be placed into Flash.

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MMU PROGRAM [ MANUAL ]

CH  6 5 4 3 2 1 0 9 8 7 6 5 4 3 2
1  . . . . .
2  . . . . . X . . .
3  . . . . .
4  . . . . .
5  . . . . .
6  . . . . .
7  . . . . .
8  . . . . .
9  . . . . .
10 . . . . .
11 . . . . .
12 . . . . .
13 . . . . .
14 . . . . .
15 . . . . .
    
```

END PROGRAMMING

OPTION	SETTING
RECURRENT PULSE	ON
WALK DISABLE	OFF
LOG CVM FAULTS	ON
EXTERN WATCHDOG	OFF
24V-2=12VDC	OFF
PGM CARD MEMORY	ON
LEDguard	ON
FORCE TYPE 16	OFF
TYPE12-SDLC	OFF
VM 3xDay Latch	ON

CONFIG MODE	B
ENABLE CHANNEL PAIR, FYA	
CH 1-13	OFF
CH 3-14	OFF
CH 5-15	OFF
CH 7-16	OFF
RED/YEL INPUT ENABLE	
CH 1	OFF
CH 3	OFF
CH 5	OFF
CH 7	OFF
FLASH RATE FAULT	ON
FYA TRAP DETECT	ON

MMU PROGRAMMING NOTE:  
ENSURE YELLOW CHANGE PLUS RED CLEARANCE MONITORING IS ENABLED FOR ALL CHANNELS.

### DETECTOR RACK SETUP

INSERT DETECTOR CARDS IN RACK ACCORDING TO THE DETAIL SHOWN BELOW. PARTICULAR DETECTOR CHANNELS WILL CALL PHASES INDICATED.

DET BIU #1	CH3	CH1	COMMUNICATIONS	SLOT	SLOT	SLOT	SLOT	DET BIU #2
	L7 NOT USED	L5 ø 8		EMPTY	EMPTY	EMPTY	EMPTY	
	L8 NOT USED	L6 ø 8						

### DETECTOR INFORMATION

DETECTOR NUMBER	AMP. NO.	SIZE / ZONE	AMP TYPE	DELAY DISABLE	COMMENTS:
V21,V22	1	AD-130'	2 N		(THRU) (CAMERA #1)
V23,V24	2	AD-280'	2 N		(THRU) (CAMERA #1)
V61,V62,V63	3	AD-130'	6 N		(THRU) (CAMERA #2)
V64,V64,V65	4	AD-280'	6 N		(THRU) (CAMERA #2)
81	5	6'x25'	8 N		STOPBAR
82	5	6'x25'	8 N		STOPBAR

NOTE:  
ALL STOPBAR LOOPS EXTEND 5' BEYOND THE STOPBAR UNLESS OTHERWISE NOTED.  
ALL LOOPS RECEIVE THREE TURNS.

00895	10-1846	9/2021
SIGNAL NO.	NC DOT ID NO.	DATE

DocuSigned by: **SALPH** 2/16/2022  
0C74A8E0008437

DOCUMENT NOT CONSIDERED FINAL UNLESS SIGNED AND COMPLETED

**BROOKSHIRE BLVD. @ I-485 OUTER RAMP**

**TEMPORARY 1 SIGNAL DETAILS**

SHEET **SIG2.2** OF **SIG2.8**