

SIGNAL PHASING	
Ring Configuration	MIN RECALL
1 NOT USED	5 NOT USED
2	6
3 NOT USED	7 NOT USED
4	8 NOT USED

SIGNAL SEQUENCE								
RING 1	PHASE 1		PHASE 2		PHASE 3		PHASE 4	
SIGNAL ID NUMBER	R/W	OTH	R/W	OTH	R/W	OTH	R/W	OTH
21,22			▲	Y				
41							G	Y
42								
43								

OVERLAP PHASE							
OVERLAP PHASE	OL-A/-/+	OL-B/-/+	OL-C/-/+	OL-D/-/+	FLASH		

TURNING MOVEMENT COUNT							
Phase	1	2	3	4	5	6	7
% Grade	0.0%	-3.0%	0.0%	-4.5%	0.0%	3.0%	0.0%
Distance		60		115		65	
Approach Speed (mph)		55		35		55	
Yellow		5.5		4.2		4.9	
All Red		1.0		2.5		1.0	
Total Clearance		6.5		6.7		5.9	

SIGN ID

A R4-7 24" x 30"
B R5-1 30" x 30"
C R5-1a 36" x 24"
D R3-2 24" x 24" 30" x 30"
E R3-1 24" x 24" 30" x 30"
F R6-1L 48" x 18"
G R6-1R 48" x 18"
J R2-1-55 24" x 30"
K R3-8a 48" x 30"
M W13-1 24" x 24"
BROADWAY RD. 1000 sign

CLEARANCE INTERVALS							
Phase	1	2	3	4	5	6	7
% Grade	0.0%	-3.0%	0.0%	-4.5%	0.0%	3.0%	0.0%
Distance		60		115		65	
Approach Speed (mph)		55		35		55	
Yellow		5.5		4.2		4.9	
All Red		1.0		2.5		1.0	
Total Clearance		6.5		6.7		5.9	

PROJECT REFERENCE NO. **I-5973**
SHEET NO. **SIG. 3.5**
Plans Prepared By: **Kimley»Horn**
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MALFUNCTION MANAGEMENT UNIT / CONFLICT MONITOR

PROGRAMMING DETAIL
(program card and tables as shown)

FIELD CHECK ENABLE
DUAL IND ENABLE
RED FAIL ENABLE

CHANNEL NUMBER	ENABLE/DISABLE
1	DISABLE
2	ENABLE
3	DISABLE
4	ENABLE
5	DISABLE
6	ENABLE
7	DISABLE
8	DISABLE
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.

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

DETECTOR RACK SETUP

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

DET BIU #1	DEFINITION	CH3 L7	CH1 L5	COMMUNICATIONS	SLOT	SLOT	SLOT	SLOT	DET BIU #2
		Ø 4	Ø 4	COMMUNICATIONS	EMPTY	EMPTY	EMPTY	EMPTY	
		Ø 4	Ø 4	COMMUNICATIONS	EMPTY	EMPTY	EMPTY	EMPTY	

DOCUMENT NOT CONSIDERED FINAL UNLESS SIGNATURES COMPLETED

SEAL 032607
NORTH CAROLINA PROFESSIONAL ENGINEER
STATE OF N.C. PHILIPPS

DocuSigned by: **SAPR 2/16/2022**
0212558909047

SIP PREPARED BY: **9/2021**
DATE

DETECTOR NUMBER	AMP. NO.	SIZE / ZONE	Ø	AMP TYPE	DELAY DISABLE Ø	COMMENTS:
V21,V22	1	6'X20'	2	N		130' FROM STOPLINE (THRU) (CAMERA #1)
V23,V24	2	6'X20'	2	N		280' FROM STOPLINE (THRU) (CAMERA #1)
41,42	3	6'x25'	4	N		STOPBAR
43	8	6'x25'	4	D	4	STOPBAR
44,45	4	6'x6'	4	S		56' FROM STOPBAR
V61,V62,63	5	6'X20'	6	N		130' FROM STOPLINE (THRU) (CAMERA #2)
V64,V65,V66	6	6'X20'	6	N		280' FROM STOPLINE (THRU) (CAMERA #2)

NOTE:
ALL STOPBAR LOOPS EXTEND TO THE PROJECT CURB LINE UNLESS OTHERWISE NOTED.
ALL LOOPS RECEIVE THREE TURNS.

00896 SIGNAL NO. **BROOKSHIRE BLVD. @ I-485 INNER RAMP**
10-1853 NCDOT ID NO.

SHEET **SIG3.5** OF **SIG3.6**
FINAL SIGNAL DETAILS

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