

DETECTOR LOGIC

	DETECTOR RACK CHANNEL	DETECTOR OPERATION									
DETECTOR NUMBER		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY	PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
11	3	Х			1	1				6×30	3
12	4	Х			1	1				6×30	3
21	1	Х			2	2				6×20	5
22	2	X			2	2			X	6×20	5
23	7	Х			2	2				6×20	4
41	11	X			4	4		Χ		6×30	3
42	12	Х			4	4		X		6×30	3
51	19	Х			5	5				6×30	2
52	20	Х			5	5				6×30	2
61	17	Х			6	6				6×20	4
62	18	Х			6	6			X	6×20	4
63	23	Х			6	6				6×20	4
81	27	Х			8	8		X		6×30	2
82	28	Х			8	8		Х		6×30	2

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				YES
2			MIN	YES
3				
4				YES
5				YES
9			MIN	YES
7				
8				YES

OVERLAP SPECIAL

	Protected	Permissive
OL "A"	1	2
OL "B"		
OL "C"	5	6
OL "D"		·



TYPE OF INTERCONNECT COMMUNICA	TION
NONE	
TBC	х
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER	
CONTROLLER NO: S-	
SIGNAL SYSTEM #: SS	

TYPE OF COORDINATION		T
NONE		NON
TBC	X	RAIL
TRAFFIC RESPONSIVE		EME
ADAPTIVE		

	TYPE OF PRE-EMPT		
	NONE	x	ВҮ
1	RAILROAD		IN
1	EMERGENCY VEHICLE		IN
1	3M		
•	TOMAR		
	HARDWIRE		
	ATUED		

LIFT BRIDGE

QUEUE DETECTOR

TYPE OF LIGHTING OTHER AGENCY TRAFFIC SIGNAL CABINET SEPARATE DOT LIGHTING CABINET

** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1)

PHASE NONCONFLICTING PHASE ON ALLOWED TO TIME CONCURRENTLY PHASES IN CONFLICT WITH PHASE ON 5 or 6 2. 4. 8 2 5 or 6 1, 4, 8 3 4 1, 2, 5, 6 5 1 or 2 4, 6, 8 6 1 or 2 4, 5, 8

4

CHART 1

GENERAL NOTES:

- 1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
- 2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1AT LEFT.)
- 3. IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY. THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.
- 4. PROVIDE FOR HAND CONTROL.

PLOT BY : dotc5s

REVISION 1

STH 57 & CTH PP TOWN OF PLYMOUTH SHEBOYGAN COUNTY

SIGNAL NO. 1055

CONTROLLER TYPE: EPAC TS2

DATE: 4-26-2012

PAGE NO. 2 OF 2

PROJECT NO: 4015-13-61

2

HWY: STH 57

SEQUENCE OF OPERATION

Ø2

 $R/W \mid X \mid X$

G Y R

R |R|R|

R RR

R RRR

FY Y R

 $R \mid R \mid R$

 $R/W \mid X \mid X$

R RR

R RR

G Y R

R R R

FY Y R

OL "C"

Ø6

CLEAR TO

CLEAR TO

Ø1

 $R/W \mid X \mid X$

R RR

R RR

R RR

R RRR

R |R|R

 $R/W \mid X \mid X$

R RR

R RR

R RRR

RR

G

YR

Ø5

CLEAR TO

HEAD NUMBERS

7,8

3, 4, 5, 6

13, 14, 15

1, 2

9, 10, 11, 12

16.17.18

7,8

1, 2

HEAD NUMBERS 7,8

3, 4, 5, 6

13, 14, 15

1, 2

9, 10, 11, 12

16, 17, 18

7,8

1, 2

Ø1

Ø2

Ø3 Ø4

Ø5

Ø6

Ø7 Ø8

OL "A"

OL "B"

OL "C"

OL "D"

Ø2

Ø3

Ø5

Ø6

Ø7 Ø8

OL A"

OL B"

OL C"

OL | "D"

RING 2 Ø4

RING 1

CLEAR TO

NOT USED

ØЗ

NOT **USED**

Ø7

 $R/W \mid X \mid X$

BARRIER

8

CLEAR TO

 $R/W \mid X \mid X$

CLEAR TO

Ø4 CLEAR TO

 $R/W \mid X X$

R | R | R

G Y R

R RR

R | R | RR R R

R R R

Ø8

 $\times \times$

R R

|R|R|

|R |R |

R R

R/W

R

R

R

CLEAR TO

R ←

COUNTY: SHEBOYGAN

SEQUENCE OF OPERATIONS S-1055

SHEET

1, 2, 5, 6