

DETECTOR LOGIC

		DETEC	TOR OPE	RATION				-			
DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY	PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE		EXTENSION STRETCH	SIZE (feet)	NUMBER OF TURNS
21	1	Х			2	2		Х		6×30	2
22	2	Х			2	2		Х		6×30	3
41	3	Х			4	4		Х		6×30	2
42	4	Х			4	4		Х		6×30	3
61	5	Х			6	6		Х		6×30	2
62	6	Х			6	6		Х		6×30	3
81	7	Х			8	8		X		6×30	2
82	8	Х			8	8		Х		6×30	3

CONTROLLER LOGIC

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

TYPE OF INTERCONNECT	
NONE	
TBC	×
CLOSED LOOP	
HARDWIRE	
TONE (FREQ)	
FIBER OPTIC	
RADIO	
MASTER SIGNAL NO:	

TYPE OF PRE-EMPT	
NONE	×
RAILROAD	
EMERGENCY VEHICLE	
TYPE:	
QUEUE DETECTOR	
LIFT BRIDGE	

TYPE OF LIGHTING
BY OTHERS
IN TRAFFIC SIGNAL CABINET
IN SEPARATE DOT LIGHTING CABINET

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.

CHART 1

	J	
PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1		
2	6	4, 8
3		
4	8	2, 6
5		
6	2	4, 8
7		
8	4	2, 6

AS-BUILT 5-17-2011

STH 47 & STH 54 VILLAGE OF BLACK CREEK OUTAGAMIE COUNTY SIGNAL NO. 459

CONTROLLER TYPE: EPAC 300

DATE PAGE NO. 2 OF 2

PROJECT NO: 6243-05-71

HWY: STH 47

SEQUENCE OF OPERATION

Ø2

R/W X

G YR

R |R|R|

R |R|R|

R |R|R|

D |D |D |

R/W | X X

R RR

R RR

G Y R

R RR

D D D

D |D |D |

* |D|D|

D |D|D|

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

* WHEN CALLED, TIMED STEADY WALK, THEN FLASHING DON'T WALK, THEN GOES TO

| D | D |

|D | D |

Ø6

CLEAR TO

×

D

CLEAR TO

NOT

USED

ØЗ

NOT

USED

Ø7

R/W X

BARRIER

CLEAR TO

R/W X

CLEAR TO

 $\overline{\nabla}$

Ø4

|R/W | X X

R RR

G Y R

R RR

R RR

* |p|p|

 $\overline{2}$

Ø8

 $\times \times$

|R |R |

IR IR I

| Y | R |

D D

R/W

R

R

R

D

D

D

×

CLEAR TO

CLEAR TO

NOT

USED

Ø1

NOT

USED

Ø5

R/W | X X |

CLEAR TO

 $R/W \mid X \mid X$

HEAD NUMBERS

1, 2, 3

7, 8, 9

4, 5, 6

10, 11, 12

13, 14

15, 16

17, 18

19, 20

HEAD NUMBERS

1, 2, 3

7, 8, 9

4, 5, 6

10. 11. 12

13, 14

15, 16

17, 18

19, 20

STEADY DON'T WALK

D = DON'T WALK

Ø1 Ø2

Ø3 Ø4

Ø6

Ø7 Ø8

Ø2P

|Ø4P|

Ø6P

Ø8P

Ø2

Ø3

Ø5

Ø6

Ø7

Ø8

Ø2P

Ø4P

Ø6P

Ø8P

RING 2 Ø4

RING 1 05

CLEAR TO

COUNTY: OUTAGAMIE

SEQUENCE OF OPERATIONS S-459

SHEET

FILE NAME : F:\d3_traffi\S-459.dgn

2

PLOT DATE: 18-MAY-2011 14:34

PLOT NAME: S-459,seq,rev1,ab PLOT SCALE: 20.000000:1.000000 PLOT BY : dotc5s