

GENERAL NOTE

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

MONOTUBE STRUCTURE NUMBERS	
SB2	S-36-0042
SB6	S-36-0043

CONFIGURATION WITH HEAD NUMBERS		
4-VLFY (R)(Y)(G)(G)	3-V (R)(Y)(G)	3-H (R)(Y)(G)
1, 2	3, 4, 5 6, 7 8, 11	9, 10

USH 151/STH 42 (Calumet Ave)

45 MPH Posted Speed Limit

USH 151/STH 42 (Calumet Ave)

45 MPH Posted Speed Limit

LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- PULL BOX 24" X 42"
- SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL POLE, MAST-ARM, TRANSFORMER MOUNT
- SIGNAL POLE, MONOTUBE ARM
- LUMINAIRE LED "B"
- CONTROL CABINET BASE
- CONDUIT
- SIGNAL HEAD NUMBER
- MOUNTING CONFIGURATION
- LOOP DETECTOR (in 1" conduit)
- MICROWAVE DETECTOR

NOTE: SIGNAL HEAD # 1 REQUIRES TUNNEL VISOR

TRAFFIC CONTROL SIGNAL

IH 43 SB & USH 151
CITY OF MANITOWOC
MANITOWOC COUNTY

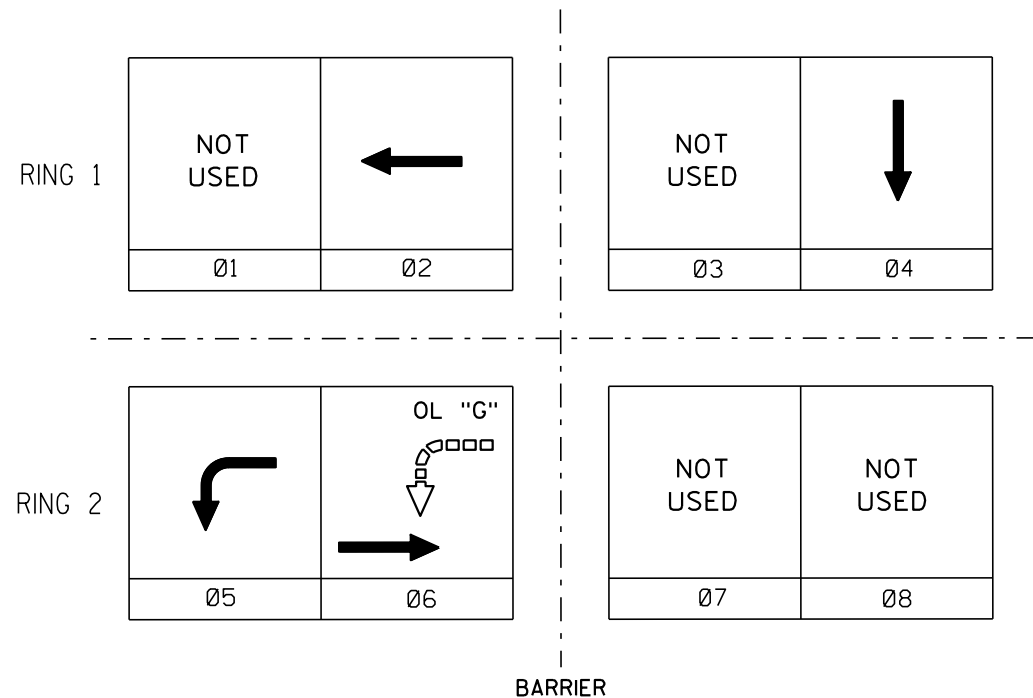
SIGNAL NO. 36-2013 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 11-25-2015 Robert J. Schuurmans
REGIONAL TRAFFIC ENGINEER
APPROVED
Date 3-17-2016 Joanna L. Bush
STATE TRAFFIC ENGINEER

REGION CONTACT: RJS
DESIGNED BY: RJS
REVISED BY: RJS

	HEAD NUMBERS	FLASH
Ø1		
Ø2	3, 4, 5	R
Ø3		
Ø4	9, 10, 11	R
Ø5	1, 2	R
Ø6	6, 7, 8	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE		
OLF		
OLG	1, 2	-
OLH		



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT/COMMUNICATION	
CELL MODEM	x
CLOSED LOOP	
TWISTED PAIR*	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	

TYPE OF COORDINATION	
NONE	
TBC	x
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-874
SIGNAL SYSTEM #:	SS-36-2001

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	x
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	x
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
3M	
LIFT BRIDGE	
QUEUE DETECTOR	

DETECTOR LOGIC

RACK # 1

DETECTOR CHANNEL	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR *(S)		21	41	51	61			
ASSIGNED PHASE		2	4	5	6			
OPERATION MODE		Veh	Veh	Veh	Veh			
SWITCH TO PHASE								
EXTEND								
DELAY								
DETECTOR CHANNEL	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR *(S)			42					
ASSIGNED PHASE			4					
OPERATION MODE			Veh					
SWITCH TO PHASE								
EXTEND								
DELAY								

RACK # 2

DETECTOR CHANNEL	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR *(S)								
ASSIGNED PHASE								
OPERATION MODE								
SWITCH TO PHASE								
EXTEND								
DELAY								
DETECTOR CHANNEL	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR *(S)								
ASSIGNED PHASE								
OPERATION MODE								
SWITCH TO PHASE								
EXTEND								
DELAY								

GENERAL NOTES:

1. PROVIDE FOR HAND CONTROL.

IH 43 SB & USH 151
CITY OF MANITOWOC
MANITOWOC COUNTY

SIGNAL NO. 36-2013

CABINET: TS2 CONTROLLER: ECONOLITE

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