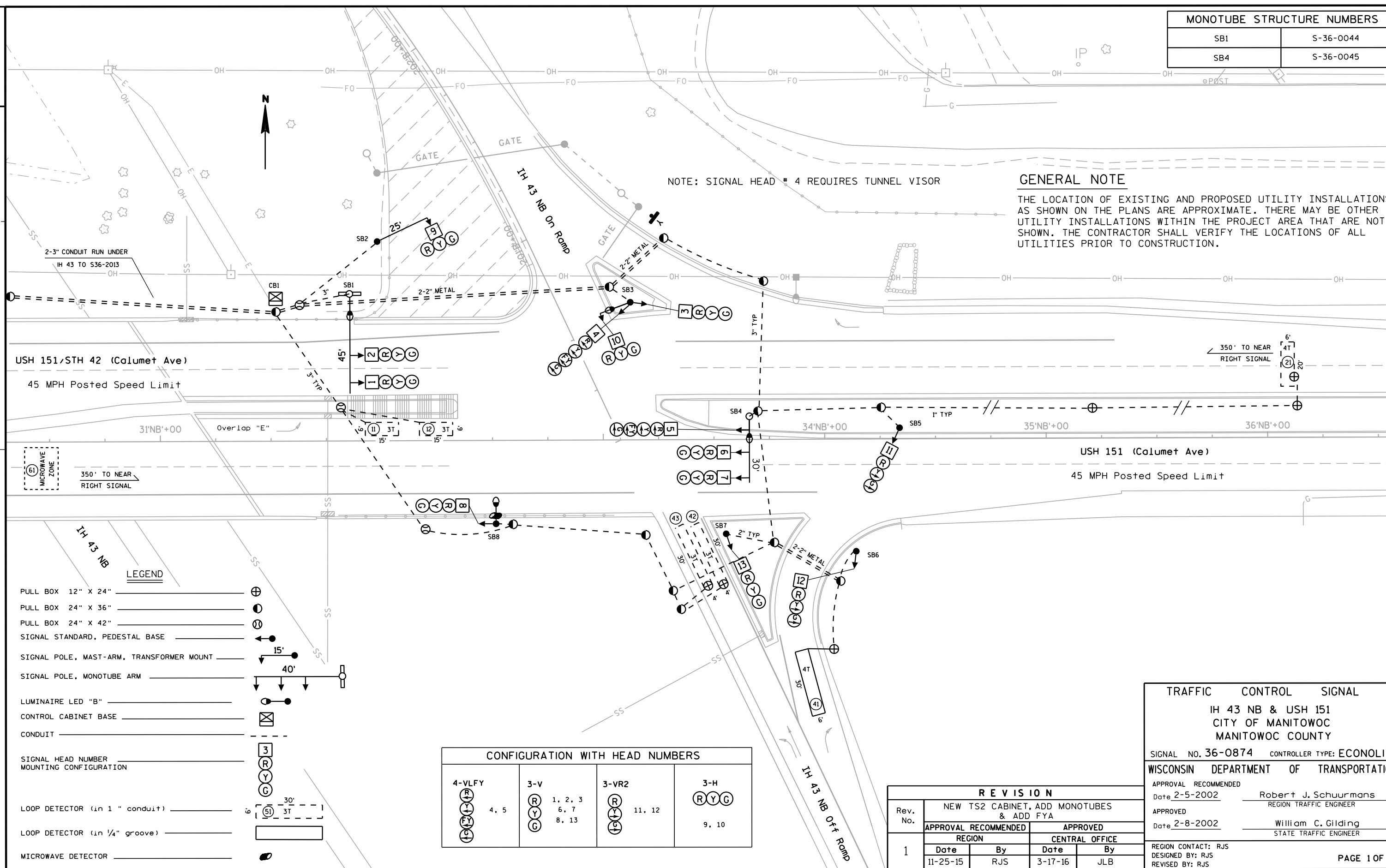


MONOTUBE STRUCTURE NUMBERS	
SB1	S-36-0044
SB4	S-36-0045



NOTE: SIGNAL HEAD # 4 REQUIRES TUNNEL VISOR

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.

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)
- LOOP DETECTOR (in 1/4" groove)
- MICROWAVE DETECTOR

CONFIGURATION WITH HEAD NUMBERS			
4-VLFY 	3-V 	3-VR2 	3-H

R E V I S I O N			
Rev. No.	NEW TS2 CABINET, ADD MONOTUBES & ADD FYA		
	APPROVAL RECOMMENDED		APPROVED
	REGION		CENTRAL OFFICE
	Date	By	Date By
1	11-25-15	RJS	3-17-16 JLB

TRAFFIC CONTROL SIGNAL

IH 43 NB & USH 151

CITY OF MANITOWOC

MANITOWOC COUNTY

SIGNAL NO. 36-0874 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

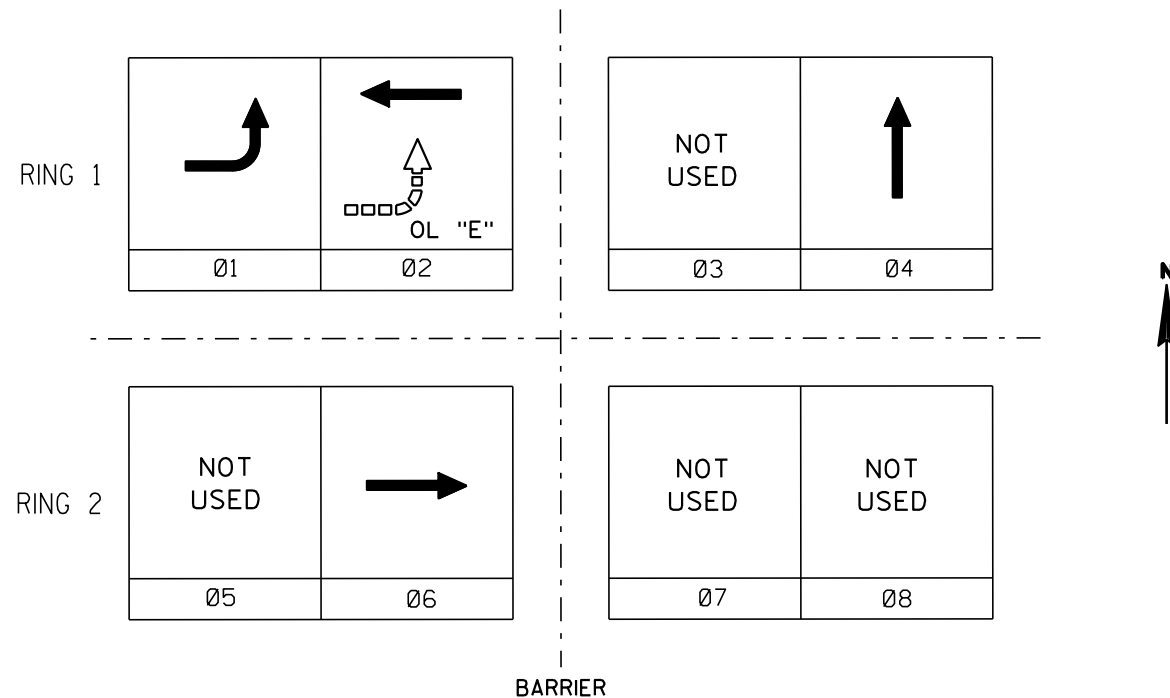
APPROVAL RECOMMENDED
Date 2-5-2002 Robert J. Schuurmans
REGION TRAFFIC ENGINEER

APPROVED
Date 2-8-2002 William C. Gilding
STATE TRAFFIC ENGINEER

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

PAGE 1 OF 2

	HEAD NUMBERS	FLASH
Ø1	4, 5	R
Ø2	1, 2, 3	R
Ø3		
Ø4	9, 10, 11, 12, 13	R
Ø5		
Ø6	6, 7, 8	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE	4, 5	-
OLF		
OLG		
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				x
2			MIN	x
3				
4				x
5				
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)	11	21	41	42		61		
ASSIGNED PHASE	1	2	4	4		6		
OPERATION MODE	Veh	Veh	Veh	Veh		Veh		
SWITCH TO PHASE								
EXTEND								
DELAY			Yes					
DETECTOR CHANNEL	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR *(S)	12			43				
ASSIGNED PHASE	1			4				
OPERATION MODE	Veh			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.

REVISION 1

IH 43 NB & USH 151
CITY OF MANITOWOC
MANITOWOC COUNTY

SIGNAL NO. 874

CABINET: TS2 CONTROLLER: ECONOLITE

DATE: 3-17-2016 PAGE NO. 2 OF 2