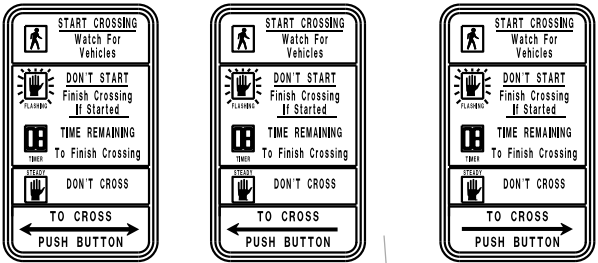


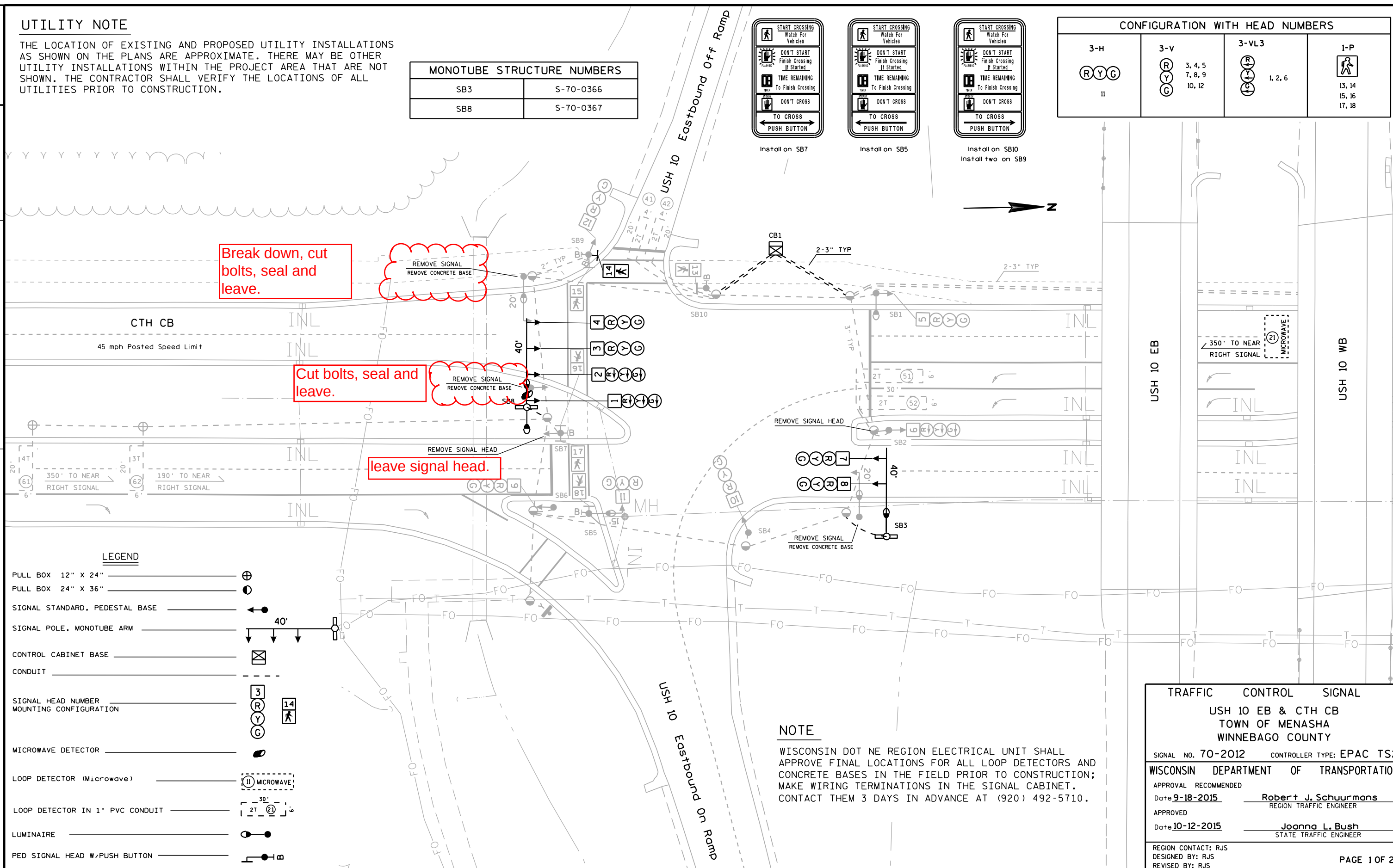
UTILITY NOTE

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	
SB3	S-70-0366
SB8	S-70-0367



CONFIGURATION WITH HEAD NUMBERS			
3-H R Y G 11	3-V R Y G 3, 4, 5 7, 8, 9 10, 12	3-VL3 R Y G 1, 2, 6	1-P 13, 14 15, 16 17, 18



LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL POLE, MONOTUBE ARM
- CONTROL CABINET BASE
- CONDUIT
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION
- MICROWAVE DETECTOR
- LOOP DETECTOR (Microwave)
- LOOP DETECTOR IN 1" PVC CONDUIT
- LUMINAIRE
- PED SIGNAL HEAD W/PUSH BUTTON

NOTE

WISCONSIN DOT NE REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL LOOP DETECTORS AND CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION; MAKE WIRING TERMINATIONS IN THE SIGNAL CABINET. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 492-5710.

TRAFFIC CONTROL SIGNAL

USH 10 EB & CTH CB

TOWN OF MENASHA

WINNEBAGO COUNTY

SIGNAL NO. 70-2012 CONTROLLER TYPE: EPAC TS2

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

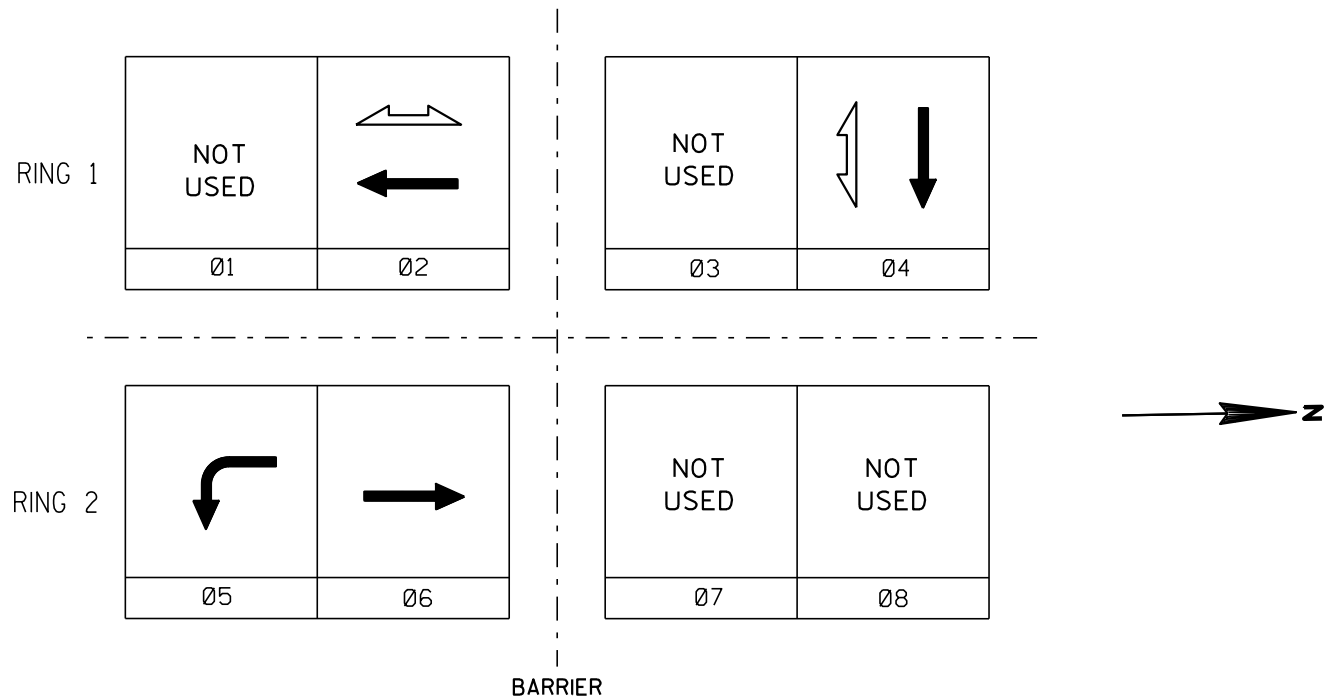
Date 9-18-2015 Robert J. Schuurmans
REGION TRAFFIC ENGINEER

APPROVED

Date 10-12-2015 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	10, 11, 12	R
Ø5	1, 2, 6	R
Ø6	7, 8, 9	R
Ø7		
Ø8		
Ø2P	13, 14	
Ø4P	15, 16, 17, 18	
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



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	
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-587
SIGNAL SYSTEM #:	SS70-0001

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
PLAN LOOP DETECTOR *(S)		21	41	51	61		
ASSIGNED PHASE		2	4	5	6		
OPERATION MODE		Veh	Veh	Yes	Veh		
SWITCH TO PHASE							
EXTEND		Yes					
DELAY			Yes				
DETECTOR CHANNEL	4	2	8	6	12	10	16
PLAN LOOP DETECTOR *(S)			42	52	62		
ASSIGNED PHASE			4	5	6		
OPERATION MODE			Veh	Veh	Veh		
SWITCH TO PHASE							
EXTEND					Yes		
DELAY			Yes				

RACK # 2							
DETECTOR CHANNEL	19	17	23	21	27	25	31
PLAN LOOP DETECTOR *(S)							
ASSIGNED PHASE							
OPERATION MODE							
SWITCH TO PHASE							
EXTEND							
DELAY							
DETECTOR CHANNEL	20	18	24	22	28	26	32
PLAN LOOP DETECTOR *(S)							
ASSIGNED PHASE							
OPERATION MODE							
SWITCH TO PHASE							
EXTEND							
DELAY							

GENERAL NOTES:

1. PROVIDE FOR HAND CONTROL.

USH 10 EB & CTH CB TOWN OF MENASHA WINNEBAGO COUNTY	
SIGNAL NO. 70-2012	
CABINET: TS2	CONTROLLER: EPAC
DATE: 10-12-2015	PAGE NO. 2 OF 2