UTILITY NOTE

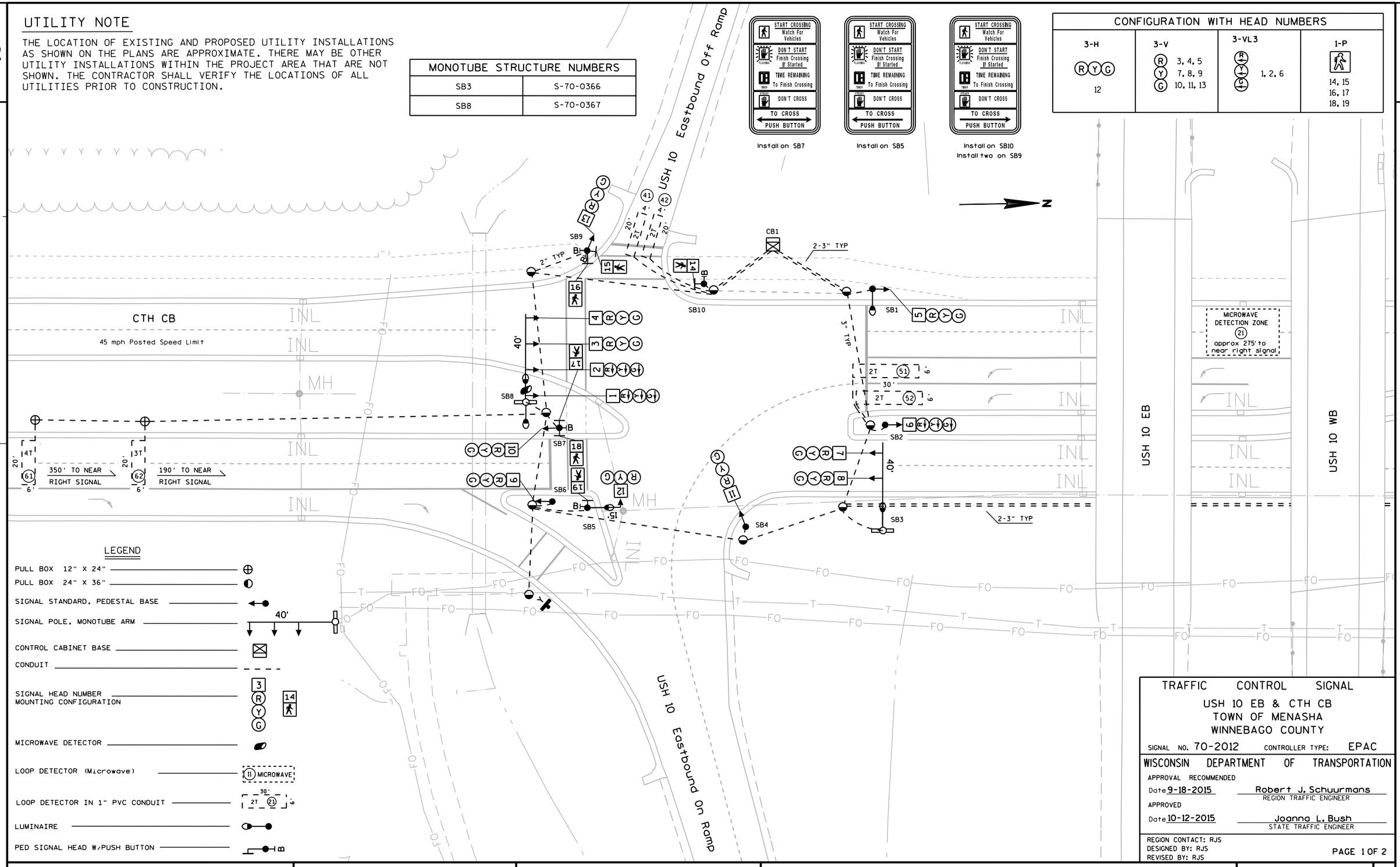
THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

MONOTUBE STRUCTURE NUMBERS	
SB3	S-70-0366
SB8	S-70-0367

CONFIGURATION WITH HEAD NUMBERS			
3-H	3-V	3-VL3	1-P
R Y G 12	R 3, 4, 5 Y 7, 8, 9 G 10, 11, 13	R Y G 1, 2, 6	14, 15 16, 17 18, 19

START CROSSING Watch For Vehicles
DON'T START Finish Crossing If Started
TIME REMAINING To Finish Crossing
DON'T CROSS
TO CROSS
PUSH BUTTON

Install on SB7 | Install on SB5 | Install on SB10, Install two on SB9



LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL POLE, MONOTUBE ARM — 40'
- CONTROL CABINET BASE
- CONDUIT
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION — 3 R Y G, 14
- MICROWAVE DETECTOR
- LOOP DETECTOR (Microwave) — 11 MICROWAVE
- LOOP DETECTOR IN 1" PVC CONDUIT — 30', 2T, 21, 6'
- LUMINAIRE
- PED SIGNAL HEAD W/PUSH BUTTON — B

TRAFFIC CONTROL SIGNAL

USH 10 EB & CTH CB
TOWN OF MENASHA
WINNEBAGO COUNTY

SIGNAL NO. 70-2012 CONTROLLER TYPE: EPAC

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

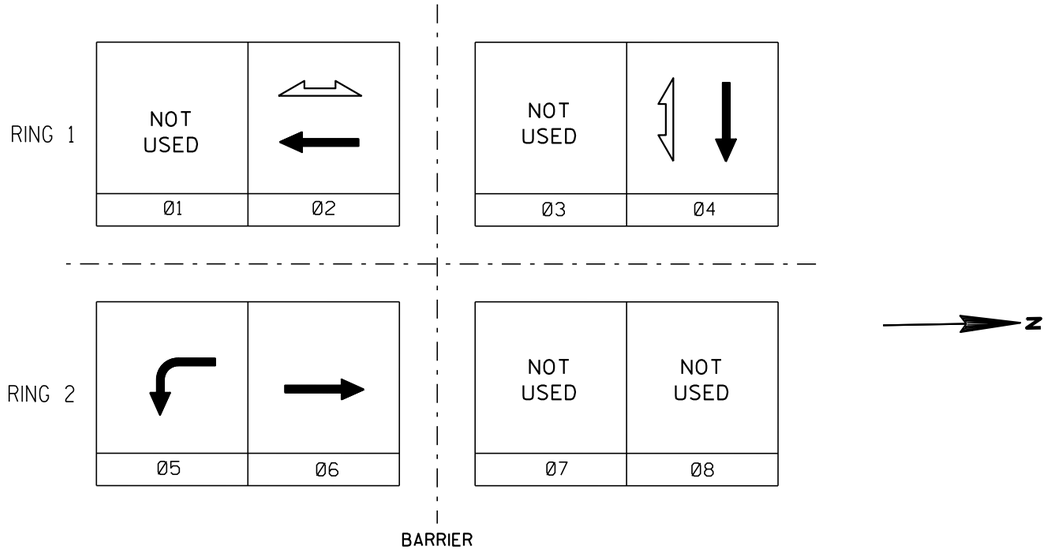
PAGE 1 OF 2

PROJECT NO: 3700-30-06	HWY: USH 10	COUNTY: WINNEBAGO	TRAFFIC CONTROL SIGNAL S70-2012	SHEET	E

FILE NAME : F:\d3_traffi\S70-2012.dgn PLOT DATE : 28-DEC-2016 08:24 PLOT BY : dotc5s PLOT NAME : S70-2012 PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	3, 4, 5	R
Ø3		
Ø4	11, 12, 13	R
Ø5	1, 2, 6	R ←
Ø6	7, 8, 9, 10	R
Ø7		
Ø8		
Ø2P	14, 15	
Ø4P	16, 17, 18, 19	
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



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	
CLOSED LOOP	
TWISTED PAIR*	
FIBER OPTIC*	x
FIBER OPTIC (ETHERNET)	
RADIO	

TYPE OF COORDINATION	
NONE	
TBC	x
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S70-2012
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	13
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			Yes			
DELAY			Yes					
DETECTOR CHANNEL	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR #(S)			42	52	62			
ASSIGNED PHASE			4	5	6			
OPERATION MODE			Veh	Veh	Veh			
SWITCH TO PHASE								
EXTEND								
DELAY			Yes					

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.

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

PROJECT NO: 3700-30-06	HWY: USH 10	COUNTY: WINNEBAGO	SEQUENCE OF OPERATIONS S70-2012	SHEET	E