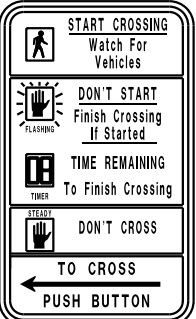
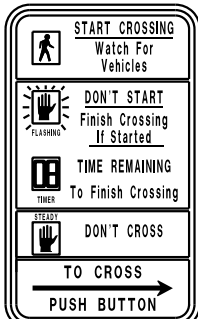


CONFIGURATION WITH HEAD NUMBERS		
3-V	3-H	1-P
<div><div>R</div><div>Y</div><div>G</div></div> 1, 3, 4	<div><div>R</div><div>Y</div><div>G</div></div> 2, 5, 8, 11	<div><div>P</div></div> 13, 14



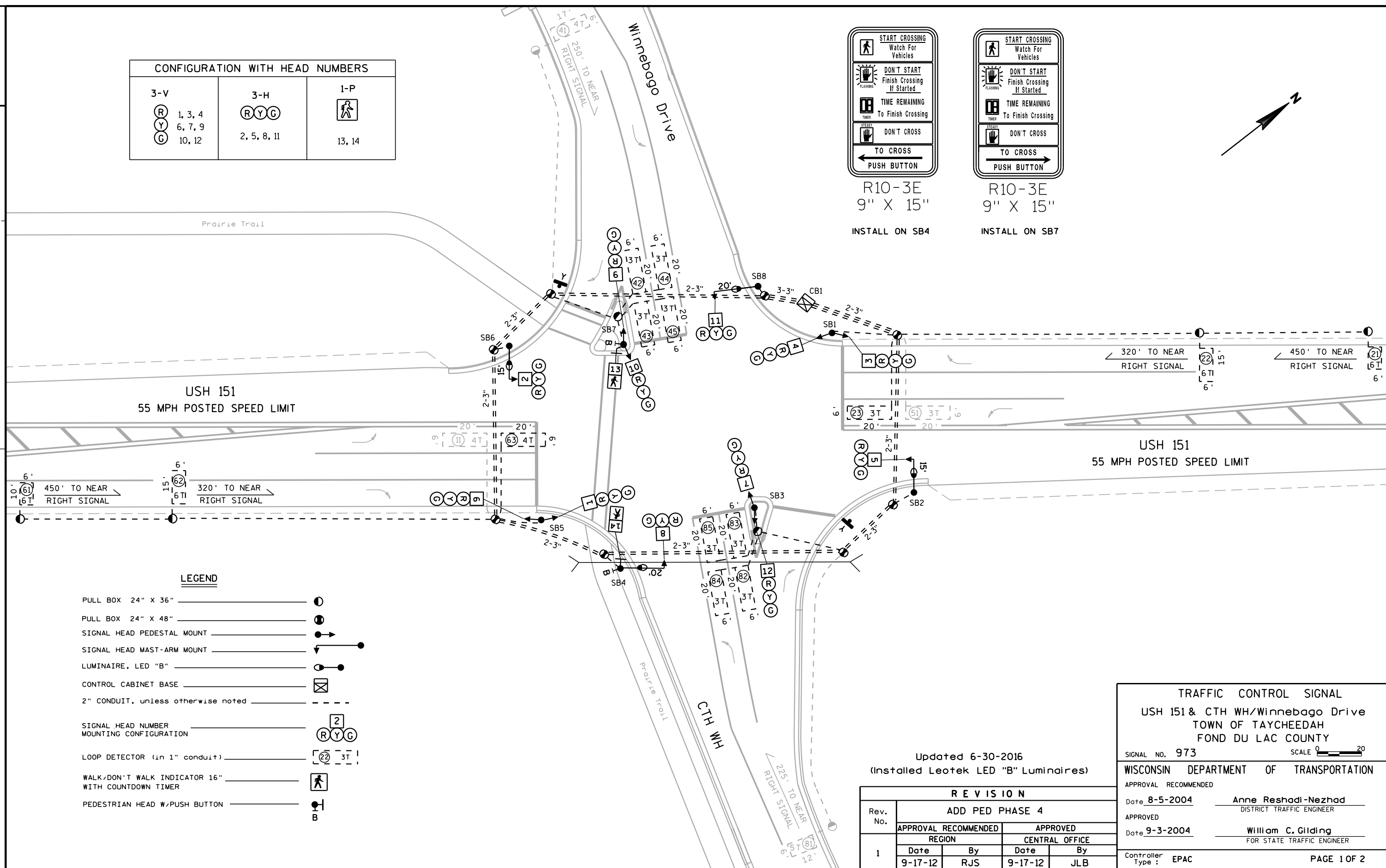
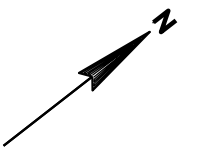
R10-3E  
9" X 15"

INSTALL ON SB4



R10-3E  
9" X 15"

INSTALL ON SB7



LEGEND

- PULL BOX 24" X 36"
- PULL BOX 24" X 48"
- SIGNAL HEAD PEDESTAL MOUNT
- SIGNAL HEAD MAST-ARM MOUNT
- LUMINAIRE, LED "B"
- CONTROL CABINET BASE
- 2" CONDUIT, unless otherwise noted
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION
- LOOP DETECTOR (in 1" conduit)
- WALK/DON'T WALK INDICATOR 16" WITH COUNTDOWN TIMER
- PEDESTRIAN HEAD W/PUSH BUTTON

Updated 6-30-2016  
(Installed Leotek LED "B" Luminares)

REVISION			
ADD PED PHASE 4			
Rev. No.	APPROVAL RECOMMENDED		APPROVED
	REGION	CENTRAL OFFICE	
1	Date	By	Date By
	9-17-12	RJS	9-17-12 JLB

TRAFFIC CONTROL SIGNAL	
USH 151 & CTH WH/Winnebago Drive	
TOWN OF TAYCHEEDAH	
FOND DU LAC COUNTY	
SIGNAL NO. 973	SCALE 0 20
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED	
Date 8-5-2004	Anne Reshadi-Nezhad
DISTRICT TRAFFIC ENGINEER	
APPROVED	
Date 9-3-2004	William C. Gilding
FOR STATE TRAFFIC ENGINEER	
Controller Type: EPAC	PAGE 1 OF 2

## SEQUENCE OF OPERATION

		NOT USED ←								NOT USED ↕								FLASH
		01				02				03				04				
		CLEAR TO				CLEAR TO				CLEAR TO				CLEAR TO				
		R/W	*	*			R/W	*	*			R/W	*	*				
RING 1	01																	
	02	1, 2, 3																
	03																	
	04	7, 8, 9																
	05																	
	06	4, 5, 6																
	07																	
	08	10, 11, 12																
02P																		
04P	13, 14																	
06P																		
08P																		

		NOT USED →								NOT USED ↑							
		05				06				07				08			
		CLEAR TO				CLEAR TO				CLEAR TO				CLEAR TO			
		R/W	*	*			R/W	*	*			R/W	*	*			
RING 2	01																
	02	1, 2, 3															
	03																
	04	7, 8, 9															
	05																
	06	4, 5, 6															
	07																
	08	10, 11, 12															
02P																	
04P	13, 14																
06P																	
08P																	

BARRIER

## CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
01		
02	6	4, 8
03		
04	8	2, 6
05		
06	2	4, 8
07		
08	4	2, 6

\*\* 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 STEADY DON'T WALK

D = DON'T WALK

## DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION	PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
11		Future	1	1				6x20	4
21	1	X	2	2				6x10	6
22	1	X	2	2				6x15	6
23	2	X	2	2				6x20	3
41		Future		4				6x17	4
42	3	X	4	4				6x20	3
43	3	X	4	4				6x20	3
44	4	X	4	4				6x20	3
45	4	X	4	4				6x20	3
51		Future	5	5				6x20	3
61	5	X	6	6				6x10	6
62	5	X	6	6				6x15	6
63	6	X	6	6				6x20	4
81		Future		8				6x12	5
82	7	X	8	8				6x20	3
83	7	X	8	8				6x20	3
84	8	X	8	8				6x20	3
85	8	X	8	8				6x20	3

## CONTROLLER LOGIC

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

TYPE OF INTERCONNECT COMMUNICATION	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM #:	SS0000

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	

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

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

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 1 AT 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.

Updated 6-30-2016

USH 151 & CTH WH/Winnebago Drive  
TOWN OF TAYCHEEDAH  
FOND DU LAC COUNTY

SIGNAL NO. 973

CONTROLLER TYPE: EPAC

DATE: 9-17-2012

PAGE NO. 2 OF 2

PROJECT NO: 0083-03-01

HWY: USH 151

COUNTY: FOND DU LAC

SEQUENCE OF OPERATIONS S-973

SHEET NO:

E