

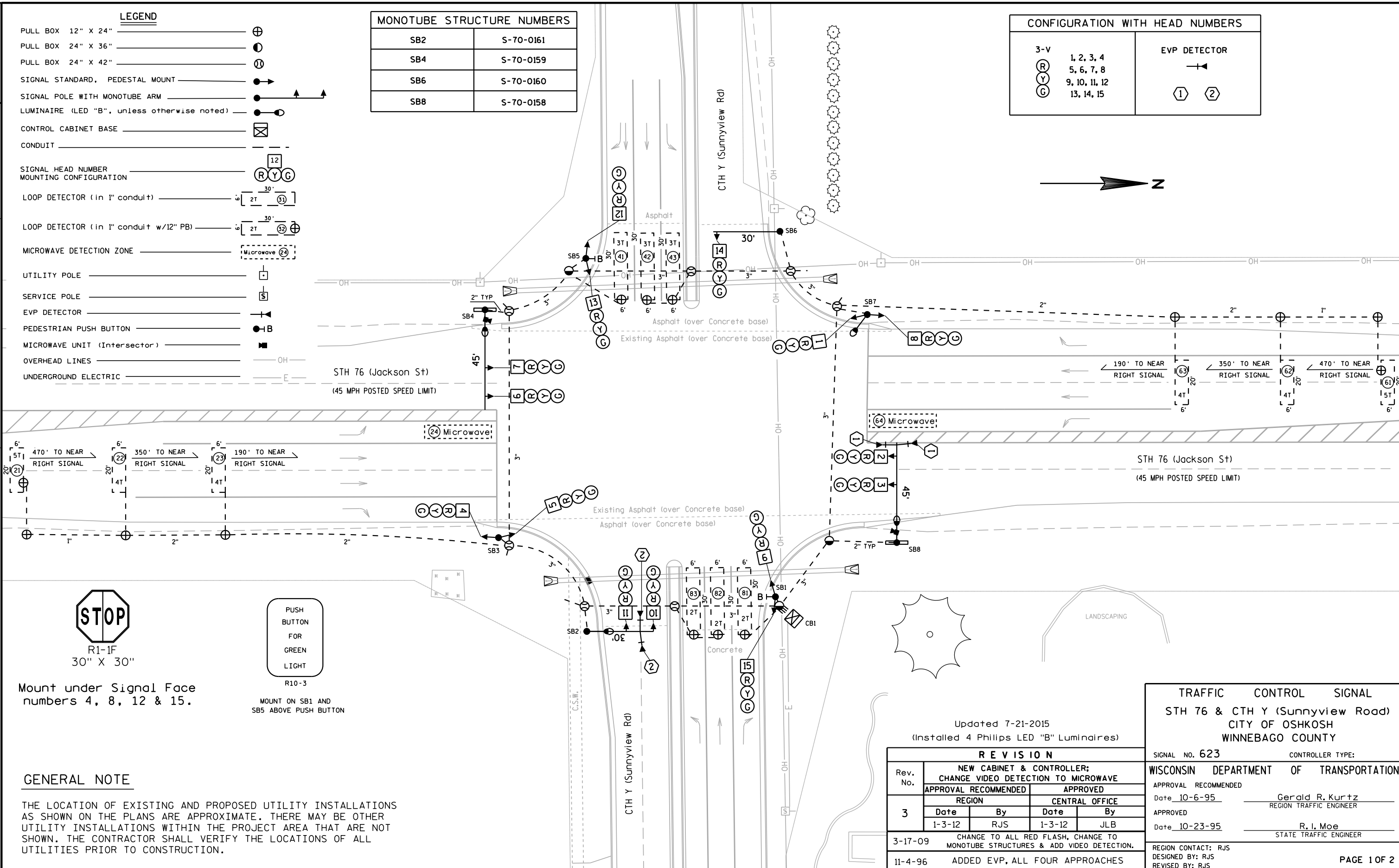
LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- PULL BOX 24" X 42"
- SIGNAL STANDARD, PEDESTAL MOUNT
- SIGNAL POLE WITH MONOTUBE ARM
- LUMINAIRE (LED "B", unless otherwise noted)
- CONTROL CABINET BASE
- CONDUIT
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION
- LOOP DETECTOR (in 1" conduit)
- LOOP DETECTOR (in 1" conduit w/12" PB)
- MICROWAVE DETECTION ZONE
- UTILITY POLE
- SERVICE POLE
- EVP DETECTOR
- PEDESTRIAN PUSH BUTTON
- MICROWAVE UNIT (Intersector)
- OVERHEAD LINES
- UNDERGROUND ELECTRIC

MONOTUBE STRUCTURE NUMBERS	
SB2	S-70-0161
SB4	S-70-0159
SB6	S-70-0160
SB8	S-70-0158

CONFIGURATION WITH HEAD NUMBERS

- 3-V
- 1, 2, 3, 4
- 5, 6, 7, 8
- 9, 10, 11, 12
- 13, 14, 15
- EVP DETECTOR
- 1 2



GENERAL NOTE

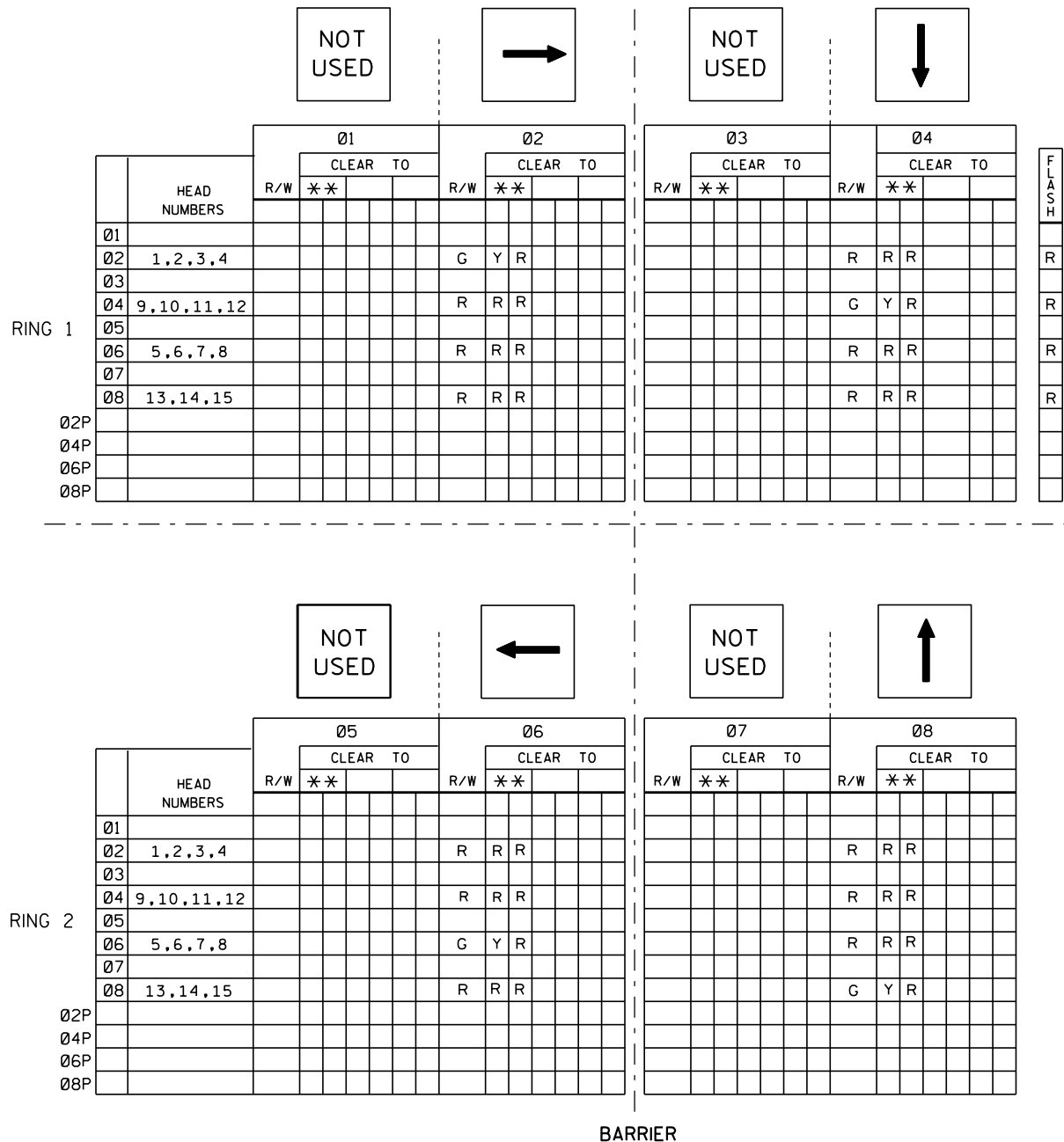
THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

Updated 7-21-2015
(Installed 4 Philips LED "B" Luminaires)

R E V I S I O N			
Rev. No.	NEW CABINET & CONTROLLER; CHANGE VIDEO DETECTION TO MICROWAVE		
	APPROVAL RECOMMENDED		APPROVED
	REGION	CENTRAL OFFICE	
3	Date	By	Date By
	1-3-12	RJS	1-3-12 JLB
3-17-09 CHANGE TO ALL RED FLASH, CHANGE TO MONOTUBE STRUCTURES & ADD VIDEO DETECTION.			
11-4-96 ADDED EVP, ALL FOUR APPROACHES			

TRAFFIC CONTROL SIGNAL	
STH 76 & CTH Y (Sunnyview Road)	
CITY OF OSHKOSH	
WINNEBAGO COUNTY	
SIGNAL NO. 623	CONTROLLER TYPE:
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED	
Date 10-6-95	Gerald R. Kurtz REGION TRAFFIC ENGINEER
APPROVED	
Date 10-23-95	R. L. Moe STATE TRAFFIC ENGINEER
REGION CONTACT: RJS	
DESIGNED BY: RJS	
REVISED BY: RJS	

SEQUENCE OF OPERATION



DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE (feet)	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
21	1	X			2	2				6x20	5
22	2	X			2	2			X	6x20	4
23	3	X			2	2				6x20	4
24		X			2	2				Micro	
41	4	X			4	4		X		6x30	3
42	5	X			4	4				6x30	3
43	6	X			4	4				6x30	3
61	7	X			6	6				6x20	5
62	8	X			6	6			X	6x20	4
63	9	X			6	6				6x20	4
64		X			6	6				Micro	
81	10	X			8	8		X		6x30	2
82	11	X			8	8				6x30	2
83	12	X			8	8				6x30	2

CONTROLLER LOGIC

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

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	
RAILROAD	
EMERGENCY VEHICLE	
3M	X
TOMAR	
HARDWARE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

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

NOTES:

- ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
- WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)
- IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.
- PROVIDE FOR HAND CONTROL
- PUSH BUTTON FOR PHASE 4 AND PHASE 8 SHALL CALL MIN GREEN.
- EMERGENCY VEHICLE PREEMPTION
 - UPON PREEMPTION, THE SIGNAL SHALL CLEAR TO PHASES 2 + 6 or 4 + 8.
 - ANY GREEN INTERVAL IN EFFECT SHALL TIME A MINIMUM 5 SECOND DURATION BEFORE ENTERING THE PREEMPT SEQUENCE. ELAPSED GREEN TIME PRIOR TO THE PREEMPT CALL SHALL BE CONSIDERED THE MINIMUM TIME.
 - ANY CLEARANCE INTERVAL IN EFFECT SHALL TIME ITS FULL NORMAL DURATION BEFORE ENTERING THE PREEMPT SEQUENCE.
 - THE SIGNAL SHALL DWELL IN PHASES 2 + 6 or 4 + 8 DURING PREEMPTION.
 - UPON TERMINATION OF PREEMPTION, VEHICLE CALLS SHALL BE PLACED IN ALL PHASES ACTIVE DURING NORMAL PHASE CYCLING.

EMERGENCY VEHICLE PREEMPTION

EMERGENCY VEHICLE DETECTOR	①	②
MOVEMENT	← →	↓ ↑
PHASE	2 + 6	4 + 8
3M CHANNEL	A	B

Updated 7-21-2015

TRAFFIC CONTROL SIGNALS

STH 76 & CTH Y (Sunnyview Rd)
CITY OF OSHKOSH
WINNEBAGO COUNTY

SIGNAL NO. 623

CONTROLLER TYPE: EPAC

DATE: 1-3-2012

PAGE NO. 2 OF 2

** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1)

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1		
2	6	4, 8
3		
4	8	2, 6
5		
6	2	4, 8
7		
8	4	2, 6