MONOTUBE STRUCTURE NUMBERS	
SB2	S-70-0332
SB5	S-70-0333
SB8	S-70-0334
SB11	S-70-0335

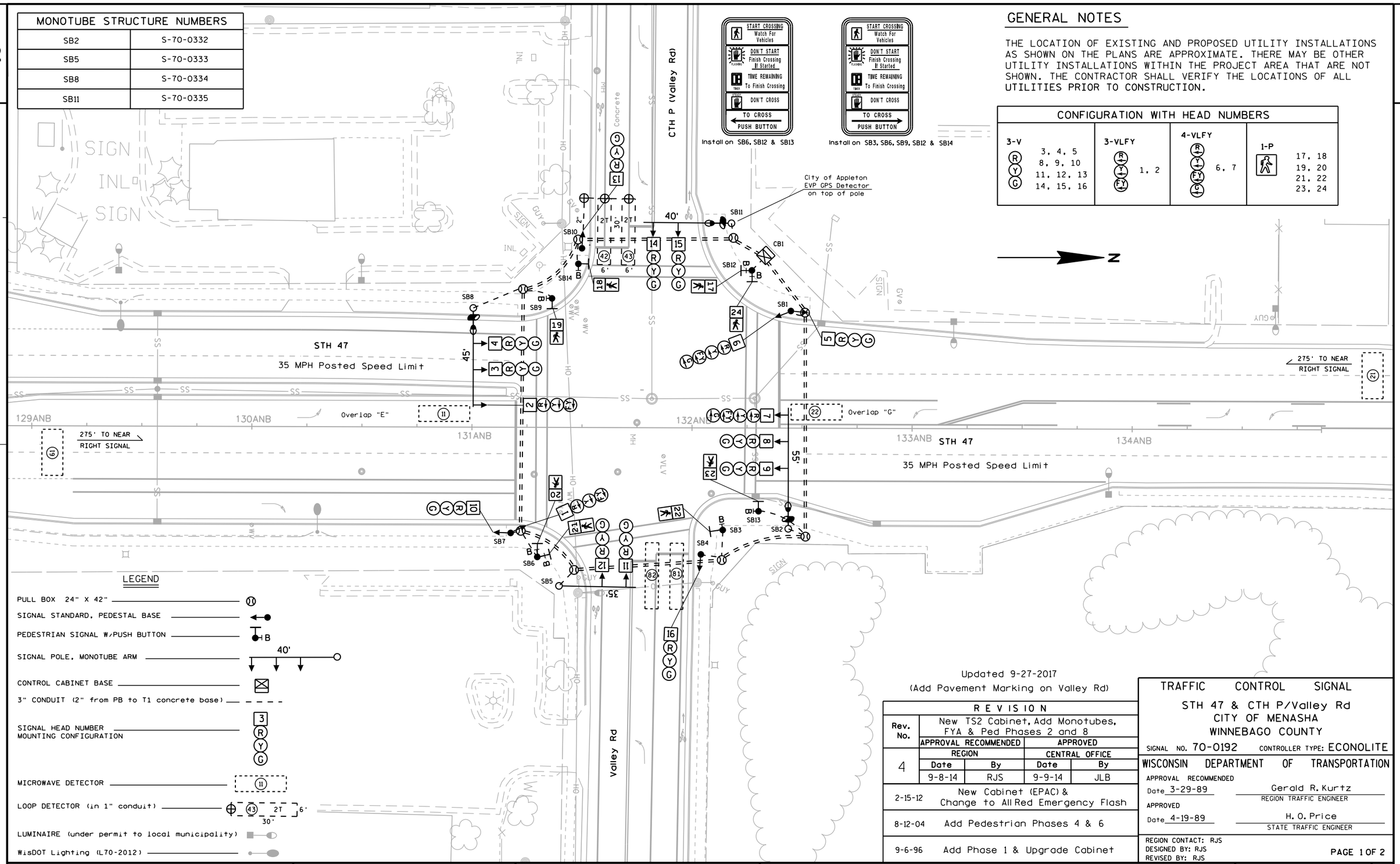
Install on SB6, SB12 & SB13

Install on SB3, SB6, SB9, SB12 & SB14

GENERAL NOTES

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.

CONFIGURATION WITH HEAD NUMBERS			
3-V (R Y G)	3, 4, 5 8, 9, 10 11, 12, 13 14, 15, 16	3-VLFY (R Y FY)	1, 2
4-VLFY (R Y FY FY)	6, 7	1-P	17, 18 19, 20 21, 22 23, 24



LEGEND

- PULL BOX 24" X 42" — (11)
- SIGNAL STANDARD, PEDESTAL BASE
- PEDESTRIAN SIGNAL W/PUSH BUTTON — B
- SIGNAL POLE, MONOTUBE ARM — 40'
- CONTROL CABINET BASE
- 3" CONDUIT (2" from PB to T1 concrete base)
- SIGNAL HEAD NUMBER / MOUNTING CONFIGURATION — 3 (R Y G)
- MICROWAVE DETECTOR — (11)
- LOOP DETECTOR (in 1" conduit) — (43) 2T 6' 30'
- LUMINAIRE (under permit to local municipality)
- WisDOT Lighting (L70-2012)

Updated 9-27-2017
(Add Pavement Marking on Valley Rd)

REVISION				
Rev. No.	New TS2 Cabinet, Add Monotubes, FYA & Ped Phases 2 and 8			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
4	Date	By	Date	By
	9-8-14	RJS	9-9-14	JLB
2-15-12	New Cabinet (EPAC) & Change to All Red Emergency Flash			
8-12-04	Add Pedestrian Phases 4 & 6			
9-6-96	Add Phase 1 & Upgrade Cabinet			

TRAFFIC CONTROL SIGNAL

STH 47 & CTH P/Valley Rd
CITY OF MENASHA
WINNEBAGO COUNTY

SIGNAL NO. 70-0192 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 3-29-89 — Gerald R. Kurtz, REGION TRAFFIC ENGINEER

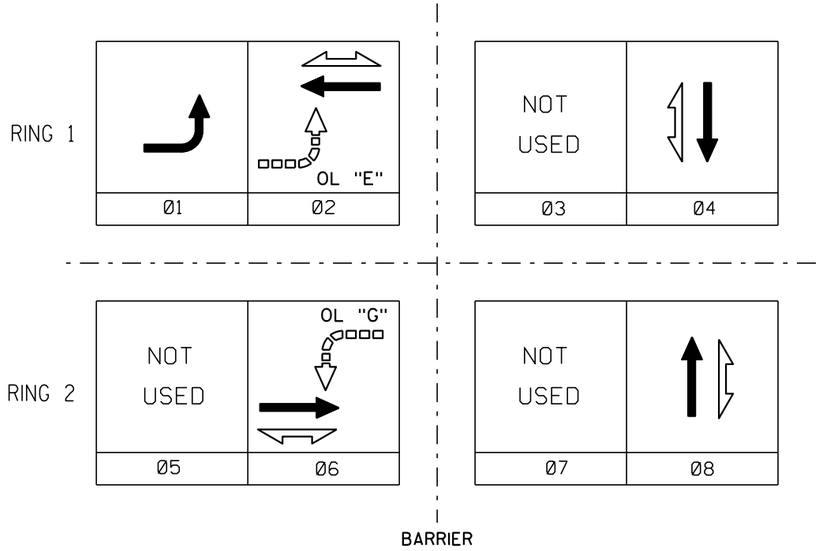
APPROVED
Date 4-19-89 — H. O. Price, STATE TRAFFIC ENGINEER

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

PROJECT NO: 1517-75-78	HWY: STH 47	COUNTY: WINNEBAGO	TRAFFIC CONTROL SIGNAL S70-0192	SHEET	E

FILE NAME : F:\d3_traffi\S-192,rev4,up.dgn PLOT DATE : 27-SEP-2017 10:45 PLOT BY : dotc5s PLOT NAME : S-192,rev4,up PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	6, 7	R ←
Ø2	3, 4, 5	R
Ø3		
Ø4	11, 12, 13	R
Ø5		
Ø6	8, 9, 10	R
Ø7		
Ø8	14, 15, 16	R
Ø2P	17, 18	
Ø4P	19, 20	
Ø6P	21, 22	
Ø8P	23, 24	
OLE	6, 7	-
OLF		
OLG	1, 2	-
OLH		



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION
maintained by the City of Appleton

EMERGENCY VEHICLE DETECTOR	③	④	⑤	⑥
MOVEMENT				
PHASE	1+6	4+8	2+6	4+8
GTT CHANNEL	A	B	C	D

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-000
SIGNAL SYSTEM #:	SS-0000

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

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	
GTT	x
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		42		81
ASSIGNED PHASE		1		2		4		8
OPERATION MODE		Veh		Veh		Veh		Veh
SWITCH TO PHASE								
EXTEND								
DELAY						Yes		Yes
DETECTOR CHANNEL	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR #(S)		61		22		43		82
ASSIGNED PHASE		6		2		4		8
OPERATION MODE		Veh		Veh		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.

Updated 9-27-2017
(Add Pavement Marking on Valley Rd)

STH 47 & CTH P/Valley Rd
CITY OF MENASHA
WINNEBAGO COUNTY

SIGNAL NO. 192

CABINET: TS2 CONTROLLER: ECONOLITE

DATE: 9-9-2014 PAGE NO. 2 OF 2

PROJECT NO: 0083-03-01	HWY: STH 47	COUNTY: WINNEBAGO	SEQUENCE OF OPERATIONS S-192	SHEET E