

MONOTUBE STRUCTURE NUMBERS	
SB2	S-44-0145
SB5	S-44-0146

CONFIGURATION WITH HEAD NUMBERS				
3-H R Y G 10	3-V R Y G 3, 4, 5 6, 7, 8 9, 11	4-VLFY R Y G 1, 2	1-P 12, 13, 14, 15	EVP DETECTOR 1 2

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.

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.

CTH E (Ballard Road)
35 MPH posted Speed Limit

CTH E (Ballard Road)
35 MPH posted Speed Limit

LEGEND

PULL BOX 12" X 24"	⊕
PULL BOX 24" X 36"	⊙
PULL BOX 24" X 42"	⊗
SIGNAL STANDARD, PEDESTAL BASE	← 40' →
SIGNAL POLE, MONOTUBE ARM	⌵
CONTROL CABINET BASE	⊠
CONDUIT	---
SIGNAL HEAD NUMBER MOUNTING CONFIGURATION	3 R Y G 14 A
MICROWAVE DETECTOR	⬢
LOOP DETECTOR (Microwave)	(11) MICROWAVE
LOOP DETECTOR IN 1" PVC CONDUIT	30' 2T 2
LUMINAIRE	⬢
RADIO ANTENNA FOR INTERCONNECT	HHH

NOTE: SIGNAL HEAD # 1 REQUIRES TUNNEL VISORS

PULL BOX NOTE

ALL OLD PULL BOXES SHALL BE BROKEN DOWN AND FILLED IN AND THE RIM/COVER SHALL BE DISPOSED OF OR RECYCLED AFTER THEY ARE NO LONGER NEEDED TO OPERATE THE SIGNAL.

R E V I S I O N				
Rev. No.	NEW TS2 CABINET, ADD MONOTUBES, ADD FYA & CHANGE TO STANDARD PHASING			
	APPROVAL RECOMMENDED		APPROVED	
6	REGION		CENTRAL OFFICE	
	Date	By	Date	By
	1-25-16	RJS	3-14-16	JLB
5-9-08		RECONFIGURE CTHE E (BALLARD RD) LOOPS TO PHASE 8 & ADD PHASE 8 PEDS		
5-25-07		NEW CABINET/CONTROLLER, CHANGE TO TTI PHASING & CHANGE TO ALL RED FLASH		
8-15-05		ADD NB AND SB EVP		
5-14-04		ADD ADDITIONAL TURN LANE OFF USH 41 SB RAMP AND NEAR LEFT SIGNAL HEAD		
9-26-03		ADD PEDESTRIAN SIGNALS FOR PHASES 1 & 5		

TRAFFIC CONTROL SIGNAL	
IH 41NB & CTH E CITY OF APPLETON OUTAGAMIE COUNTY	
SIGNAL NO. 44-0578	CONTROLLER TYPE: EPAC TS2
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED Date 6-30-1995	Gerald R. Kurtz REGION TRAFFIC ENGINEER
APPROVED Date 7-6-1995	R. I. Moe STATE TRAFFIC ENGINEER
REGION CONTACT: RJS DESIGNED BY: RJS REVISED BY: RJS	

PROJECT NO: 3700-30-10

HWY: IH 41

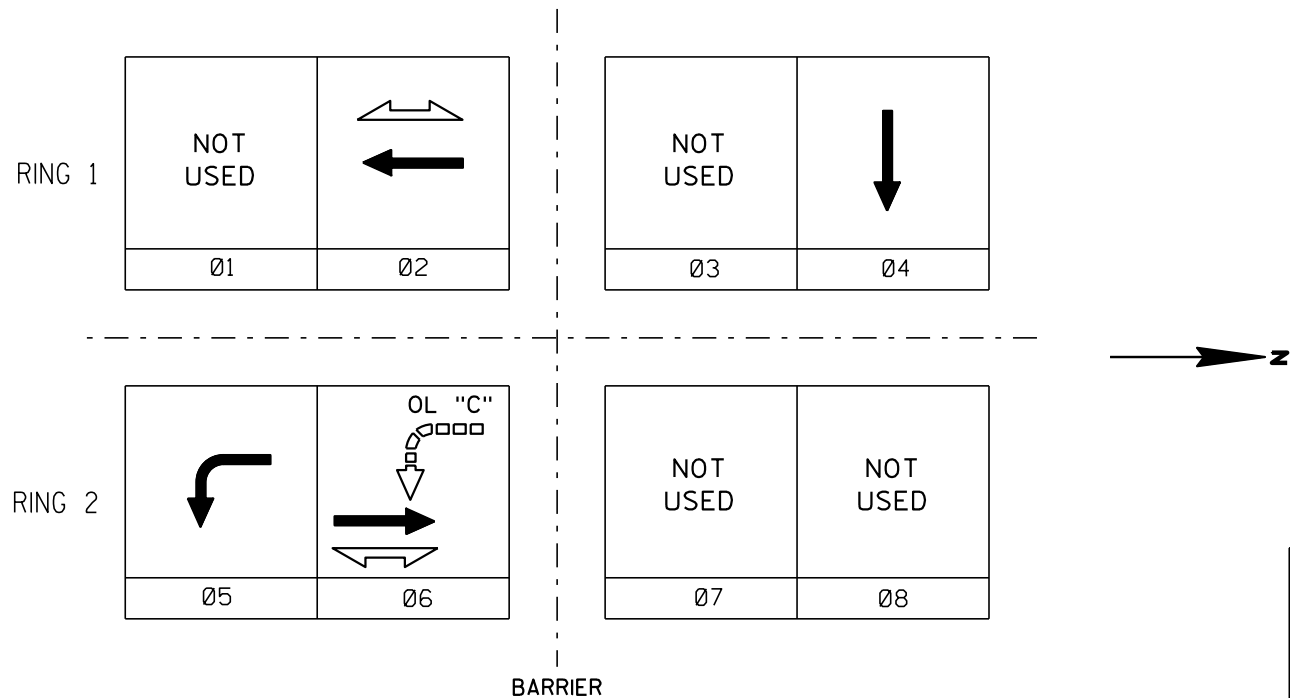
COUNTY: OUTAGAMIE

CONSTRUCTION DETAIL - TRAFFIC SIGNAL REVISION

SHEET

E

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



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

TYPE OF INTERCONNECT/COMMUNICATION	
CELL MODEM	
CLOSED LOOP	
TWISTED PAIR*	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	x

TYPE OF COORDINATION	
NONE	
TBC	x
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-578
SIGNAL SYSTEM #:	SS44-2001

EMERGENCY VEHICLE PREEMPTION		
EMERGENCY VEHICLE DETECTOR	①	②
MOVEMENT	←	←
PHASE	2+5	2+6
TOMAR CHANNEL	1	2

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

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							

OVERLAP SPECIAL

	Protected	Permissive
OL "A"		
OL "B"		
OL "C"	5	6
OL "D"		

GENERAL NOTES:

1. PROVIDE FOR HAND CONTROL.

IH 41NB & CTH E CITY OF APPLETON OUTAGAMIE COUNTY	
SIGNAL NO. 44-0578	
CABINET: TS2	CONTROLLER: EPAC
DATE: 3-14-2016	PAGE NO. 2 OF 2