

2

LEGEND

- PULL BOX 12" X 24" _____ ⊕
PULL BOX 24" X 36" _____ ⊙
PULL BOX 24" X 42" _____ ⊗
SIGNAL STANDARD, PEDESTAL MOUNT _____ ●→
SIGNAL POLE, MONOTUBE ARM _____ ↓ 35' ⊕
- LUMINAIRE (LED B) _____ ●—●
CONTROL CABINET BASE _____ ⊠
3" CONDUIT (2" conduit from PB to T1/T2 base)
(unless otherwise noted) _____ - - - - -
LOOP DETECTOR (In 1" Conduit) _____ [22] 3T
MICROWAVE DETECTOR ZONE _____ [11] MICROWAVE
SIGNAL HEAD NUMBER MOUNTING CONFIGURATION _____ 3
MICROWAVE DETECTOR UNIT _____ ●
WALK/DON'T WALK INDICATOR 16" WITH COUNTDOWN TIMER _____ [P]
PEDESTRIAN HEAD W/PUSH BUTTON _____ ●—B

CTH CE (College Ave)
45 MPH Posted Speed Limit

STH 441
(Northbound)

350' TO NEAR
RIGHT SIGNAL

190' TO NEAR
RIGHT SIGNAL

Overlap "A" 9' 2T 11' 30'

TYPE 2 CONCRETE BASE

STH 441 NB
Off Ramp

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.

PROJECT NO: 4685-19-60

HWY: STH 441

COUNTY: OUTAGAMIE

TRAFFIC CONTROL SIGNAL S44-0511

SHEET

E

FILE NAME : F:\d3_traffic\S-511,rev2.dgn

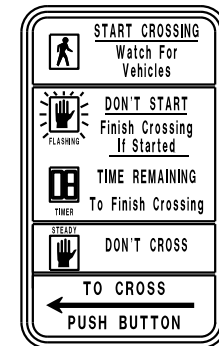
PLOT DATE : 09-DEC-2016 07:57

PLOT BY : dotc5s

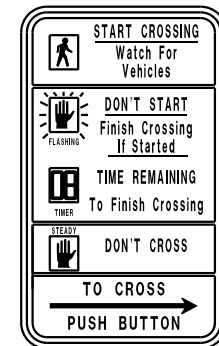
PLOT NAME : S-511,rev2,ab

PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42



Install on SB3



Install on SB4

CONFIGURATION WITH HEAD NUMBERS

3-H
R Y G
10

3-V
R
Y
G
1, 2, 3
6, 7, 8
9, 11

4-VLP
R
Y
G
4, 5

1-P
12, 13

MONOTUBE STRUCTURE NUMBERS

SB2	S-44-0126
SB6	S-44-0128

NOTE

SIGNAL HEAD #4 SHALL HAVE A TUNNEL VISOR.

125' TO NEAR
RIGHT SIGNAL

350' TO NEAR
RIGHT SIGNAL

CTH CE (College Ave)

45 MPH Posted Speed Limit

TRAFFIC CONTROL SIGNAL

STH 441 NB & CTH CE
CITY OF APPLETON
OUTAGAMIE COUNTY

SIGNAL NO. 44-0511 CONTROLLER TYPE: EPAC TS2

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date 2-10-1993

APPROVED

Date 3-16-1993

REGION CONTACT: RJS

DESIGNED BY: RJS

REVISED BY: RJS

Gerald R. Kurtz

REGION TRAFFIC ENGINEER

R. I. Moe

STATE TRAFFIC ENGINEER

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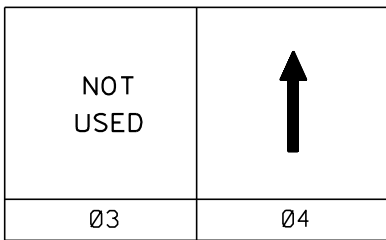
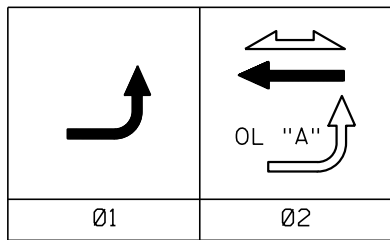
As-Built 8-4-2016

REVISION

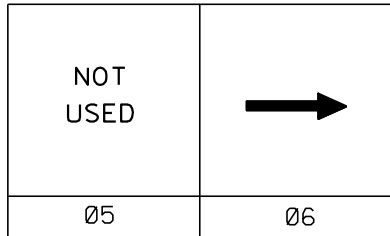
Rev. No.	New TS2 Cabinet (EPAC), Add Monotubes, Add FYA & 2 Cabinet Operation			
2	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
	Date	By	Date	By
	11-7-14	RJS		JLB
3-14-08	New Controller, Add Ped Phase 5, Add Lighting & Add Hand Control			

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

RING 1



RING 2



BARRIER



CONTROLLER LOGIC

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

OVERLAP SPECIAL

	Protected	Permissive
OL "A"	1	2
OL "B"		
OL "C"		
OL "D"		

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

TYPE OF COORDINATION	
NONE	
TBC	x
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S44-0511
SIGNAL SYSTEM *:	SS-0100

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)	11	21	41	42		61		
ASSIGNED PHASE	1	2	4	4		6		
OPERATION MODE	Veh	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)		22		43		62		
ASSIGNED PHASE		2		4		6		
OPERATION MODE		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.

As-Built 8-4-2016

STH 441 NB & CTH CE
CITY OF APPLETON
OUTAGAMIE COUNTY

SIGNAL NO. 44-0511

CABINET: TS2 CONTROLLER: EPAC

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