

LEGEND

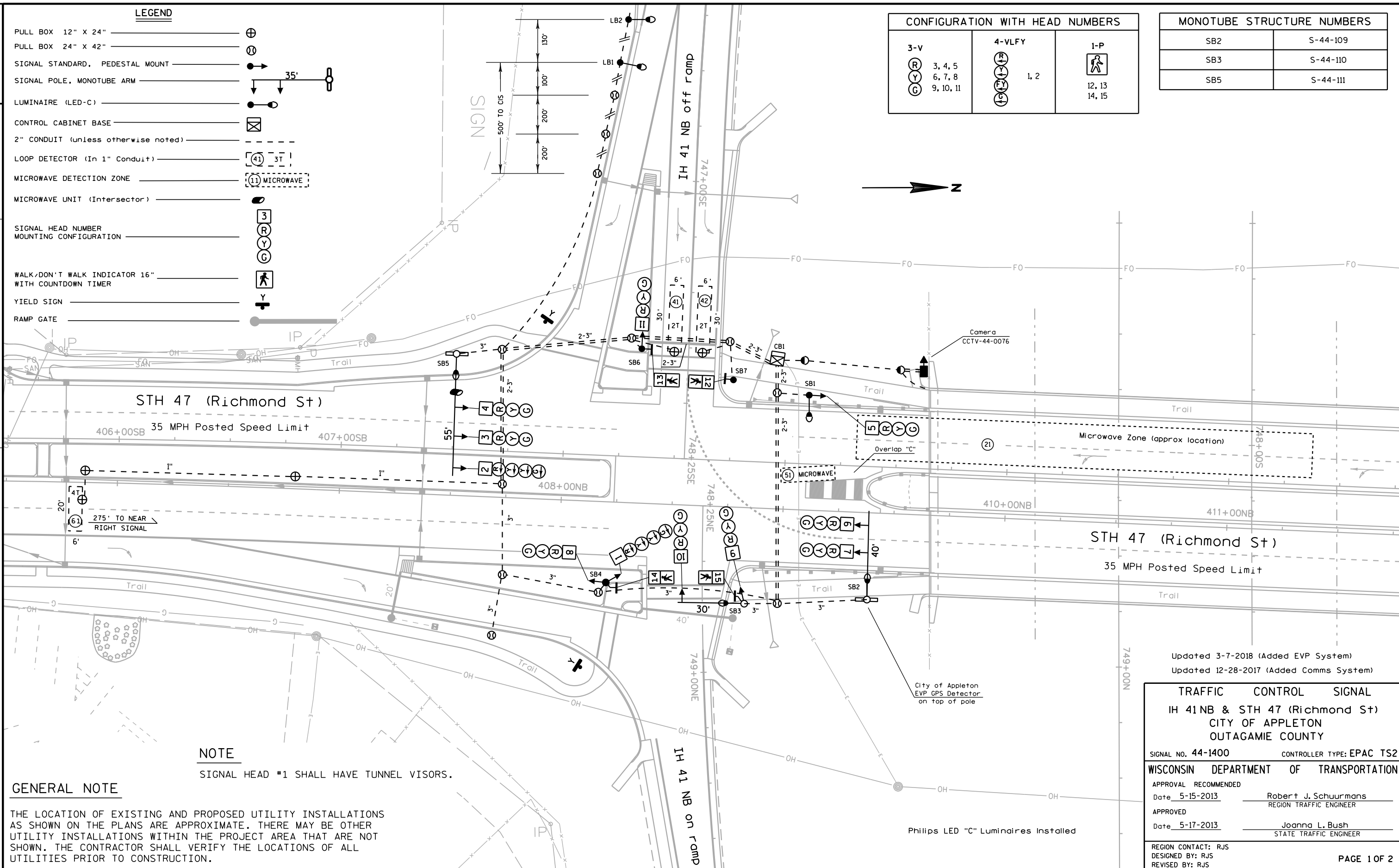
- PULL BOX 12" X 24"
- PULL BOX 24" X 42"
- SIGNAL STANDARD, PEDESTAL MOUNT
- SIGNAL POLE, MONOTUBE ARM
- LUMINAIRE (LED-C)
- CONTROL CABINET BASE
- 2" CONDUIT (unless otherwise noted)
- LOOP DETECTOR (In 1" Conduit)
- MICROWAVE DETECTION ZONE
- MICROWAVE UNIT (Intersector)
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION
- WALK/DON'T WALK INDICATOR 16" WITH COUNTDOWN TIMER
- YIELD SIGN
- RAMP GATE

CONFIGURATION WITH HEAD NUMBERS

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

MONOTUBE STRUCTURE NUMBERS

SB2	S-44-109
SB3	S-44-110
SB5	S-44-111



NOTE

SIGNAL HEAD #1 SHALL HAVE TUNNEL VISORS.

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 3-7-2018 (Added EVP System)
Updated 12-28-2017 (Added Comms System)

TRAFFIC CONTROL SIGNAL
IH 41NB & STH 47 (Richmond St)
CITY OF APPLETON
OUTAGAMIE COUNTY

SIGNAL NO. 44-1400 CONTROLLER TYPE: EPAC TS2

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date 5-15-2013 Robert J. Schuurmans
REGION TRAFFIC ENGINEER

APPROVED

Date 5-17-2013 Joanna L. Bush
STATE TRAFFIC ENGINEER

REGION CONTACT: RJS

DESIGNED BY: RJS

REVISED BY: RJS

PAGE 1 OF 2

PROJECT NO: 1130-33-71

HWY: IH 41

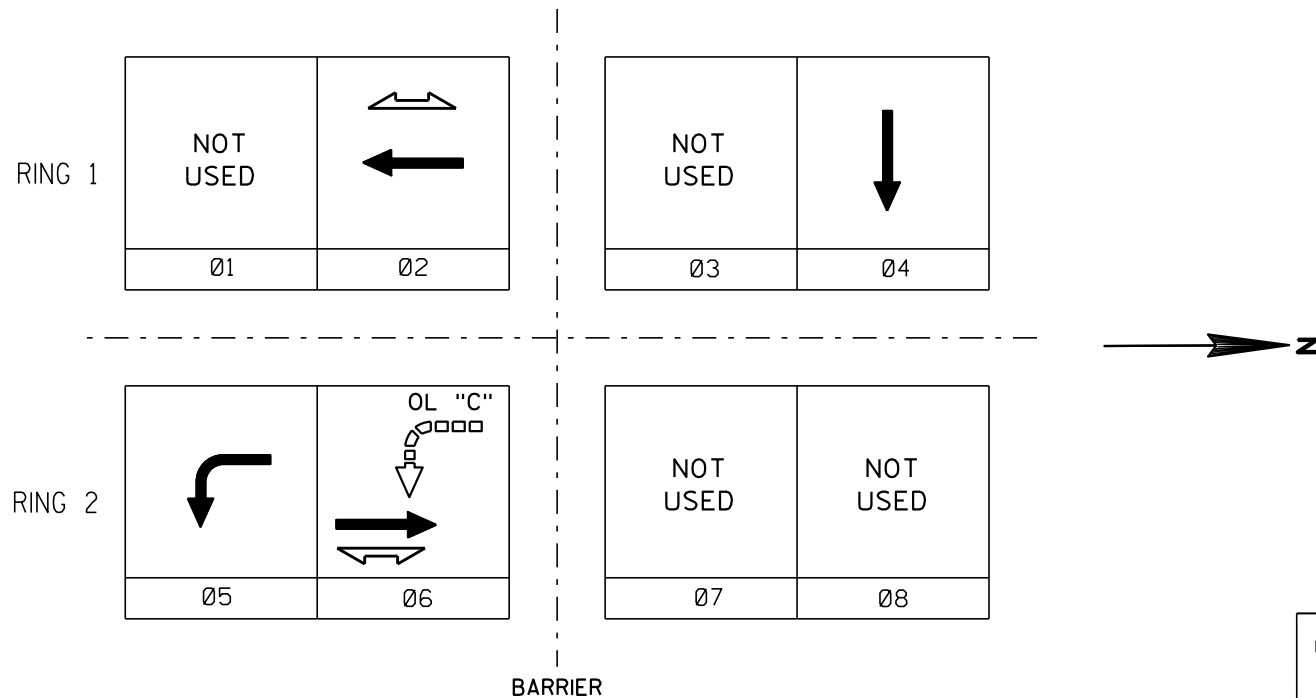
COUNTY: OUTAGAMIE

TRAFFIC CONTROL SIGNAL S44-1400

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		



CONTROLLER LOGIC

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

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

TYPE OF COORDINATION	
NONE	
TBC	x
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-580
SIGNAL SYSTEM #:	SS0153

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	

EMERGENCY VEHICLE PREEMPTION
maintained by the City of Appleton

EMERGENCY VEHICLE DETECTOR	1	2	3
MOVEMENT	←→	↓	←→
PHASE	2+6	4	2+5
GTT CHANNEL	A	B	C

DETECTOR LOGIC

RACK # 1

DETECTOR CHANNEL	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR *(S)	51	21	61		41			
ASSIGNED PHASE	5	2	6		4			
OPERATION MODE	Veh	Veh	Veh		Veh			
SWITCH TO PHASE								
EXTEND								
DELAY								
DETECTOR CHANNEL	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR *(S)					42			
ASSIGNED PHASE					4			
OPERATION MODE					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								

OVERLAP SPECIAL

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

GENERAL NOTES:

1. PROVIDE FOR HAND CONTROL.

Updated 3-7-2018 (Added EVP System)
Updated 12-28-2017 (Added Comms System)

IH 41NB & STH 47 (Richmond St)
CITY OF APPLETON
OUTAGAMIE COUNTY

SIGNAL NO. 44-1400

CABINET: TS2 CONTROLLER: EPAC

DATE: 5-17-2013 PAGE NO. 2 OF 2