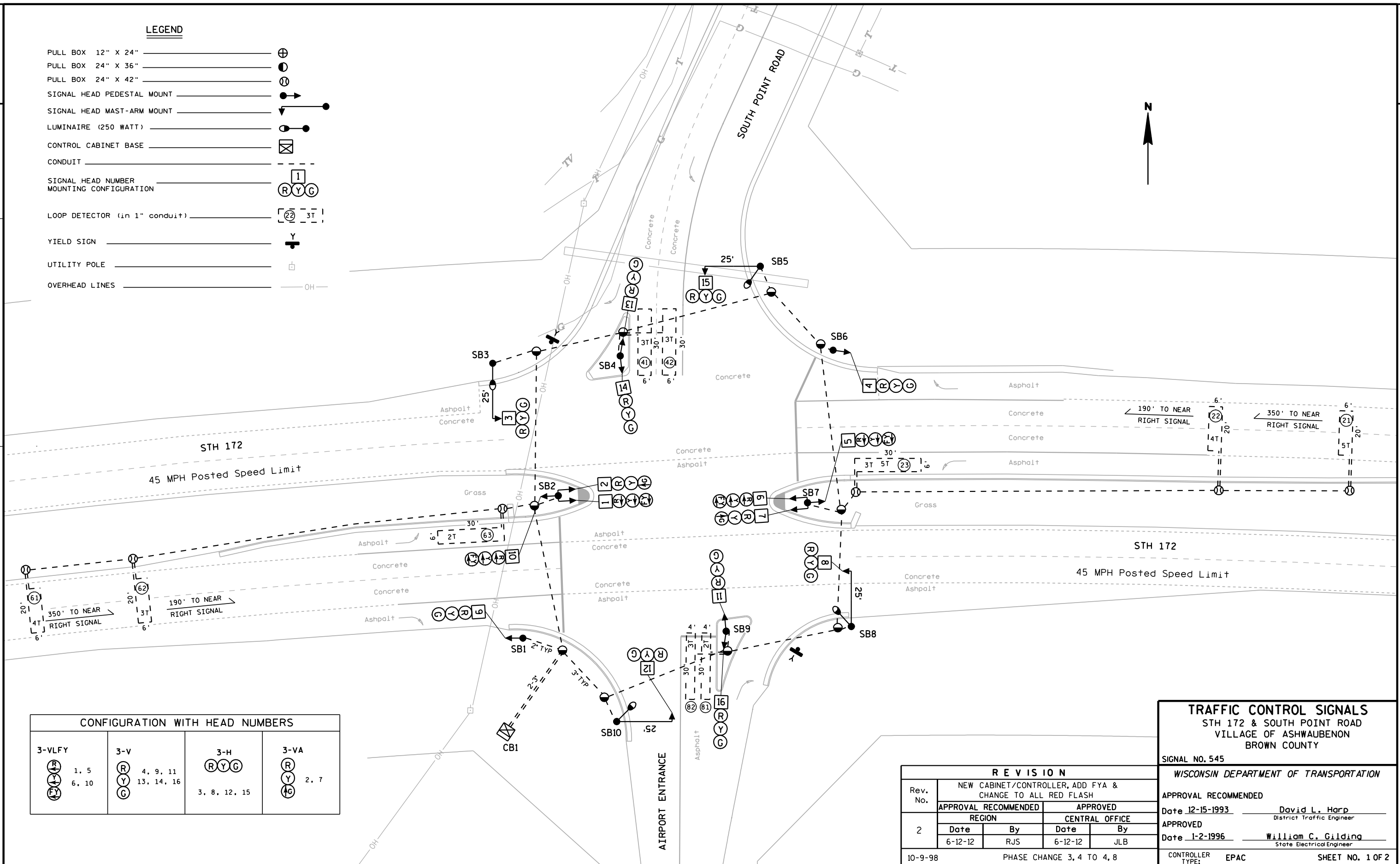


LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- PULL BOX 24" X 42"
- SIGNAL HEAD PEDESTAL MOUNT
- SIGNAL HEAD MAST-ARM MOUNT
- LUMINAIRE (250 WATT)
- CONTROL CABINET BASE
- CONDUIT
- SIGNAL HEAD NUMBER
MOUNTING CONFIGURATION
- LOOP DETECTOR (in 1" conduit)
- YIELD SIGN
- UTILITY POLE
- OVERHEAD LINES



CONFIGURATION WITH HEAD NUMBERS

3-VLFY	3-V	3-H	3-VA
1, 5	4, 9, 11	3, 8, 12, 15	2, 7
6, 10	13, 14, 16		

TRAFFIC CONTROL SIGNALS
STH 172 & SOUTH POINT ROAD
VILLAGE OF ASHWAUBENON
BROWN COUNTY

SIGNAL NO. 545

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date 12-15-1993 David L. Harp
District Traffic Engineer

APPROVED

Date 1-2-1996 William C. Gilding
State Electrical Engineer

CONTROLLER TYPE: EPAC

SHEET NO. 1 OF 2

R E V I S I O N					
Rev. No.	NEW CABINET/CONTROLLER, ADD FYA & CHANGE TO ALL RED FLASH				
	APPROVAL RECOMMENDED		APPROVED		
	REGION		CENTRAL OFFICE		
	Date	By	Date	By	
2	6-12-12	RJS	6-12-12	JLB	
10-9-98	PHASE CHANGE 3, 4 TO 4, 8				

STATE PROJECT NUMBER: 0083-03-01

HWY: STH 172

COUNTY: BROWN

TRAFFIC CONTROL SIGNAL S-545

SHEET NO:

E

SEQUENCE OF OPERATION

		NOT USED								NOT USED							
		← OL "A" →				↓											
		← OL "C" →				↑											
RING 1	Ø1																
	Ø2	2, 3, 4				G Y R											
	Ø3					R R R											
	Ø4	11, 12, 13				R R R											
	Ø5					R R R											
	Ø6	7, 8, 9				R R R											
	Ø7					R R R											
	Ø8	14, 15, 16				R R R											
	OL "A"	6, 10				FY ← Y ←				R ← R ←							
	OL "B"																
OL "C"	1, 5				R ← R ←				R ← R ←								
OL "D"																	
RING 2	Ø1																
	Ø2	2, 3, 4				R R R											
	Ø3					R R R											
	Ø4	11, 12, 13				R R R											
	Ø5					G Y R											
	Ø6	7, 8, 9				R R R											
	Ø7					G Y R											
	Ø8	14, 15, 16				R R R											
	OL "A"	6, 10				R ← R ←				R ← R ←							
	OL "B"																
OL "C"	1, 5				FY ← Y ←				R ← R ←								
OL "D"																	

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

BARRIER

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

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE in feet	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
21	1	X			2	2			X	6x20	5
22	2	X			2	2				6x20	4
23	3	X			2	2				6x30	3
41	4	X			4	4		X		6x30	3
42	4	X			4	4		X		6x30	3
61	5	X			6	6			X	6x20	4
62	6	X			6	6				6x20	3
63	7	X			6	6				6x30	2
81	8	X			8	8		X		4x30	2
82	8	X			8	8		X		4x30	3

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

OVERLAP SPECIAL

	Protected	Permissive
OL "A"	1	2
OL "B"		
OL "C"	5	6
OL "D"		

TYPE OF INTERCONNECT COMMUNICATION	
NONE	
TBC	x
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM *:	SS- -

TYPE OF COORDINATION	
NONE	
TBC	x
TRAFFIC RESPONSIVE	
ADAPTIVE	

TYPE OF PRE-EMPT	
NONE	x
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

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

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)
3. IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.
4. PROVIDE FOR HAND CONTROL OPERATION.

Revision 2

STH 172 & SOUTH POINT ROAD
VILLAGE OF ASHWAUBENON
BROWN COUNTY

SIGNAL NO. 545

CONTROLLER TYPE: EPAC

DATE: 6-12-2012

PAGE NO. 2 OF 2