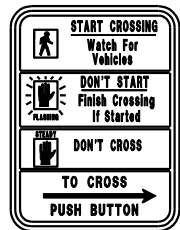
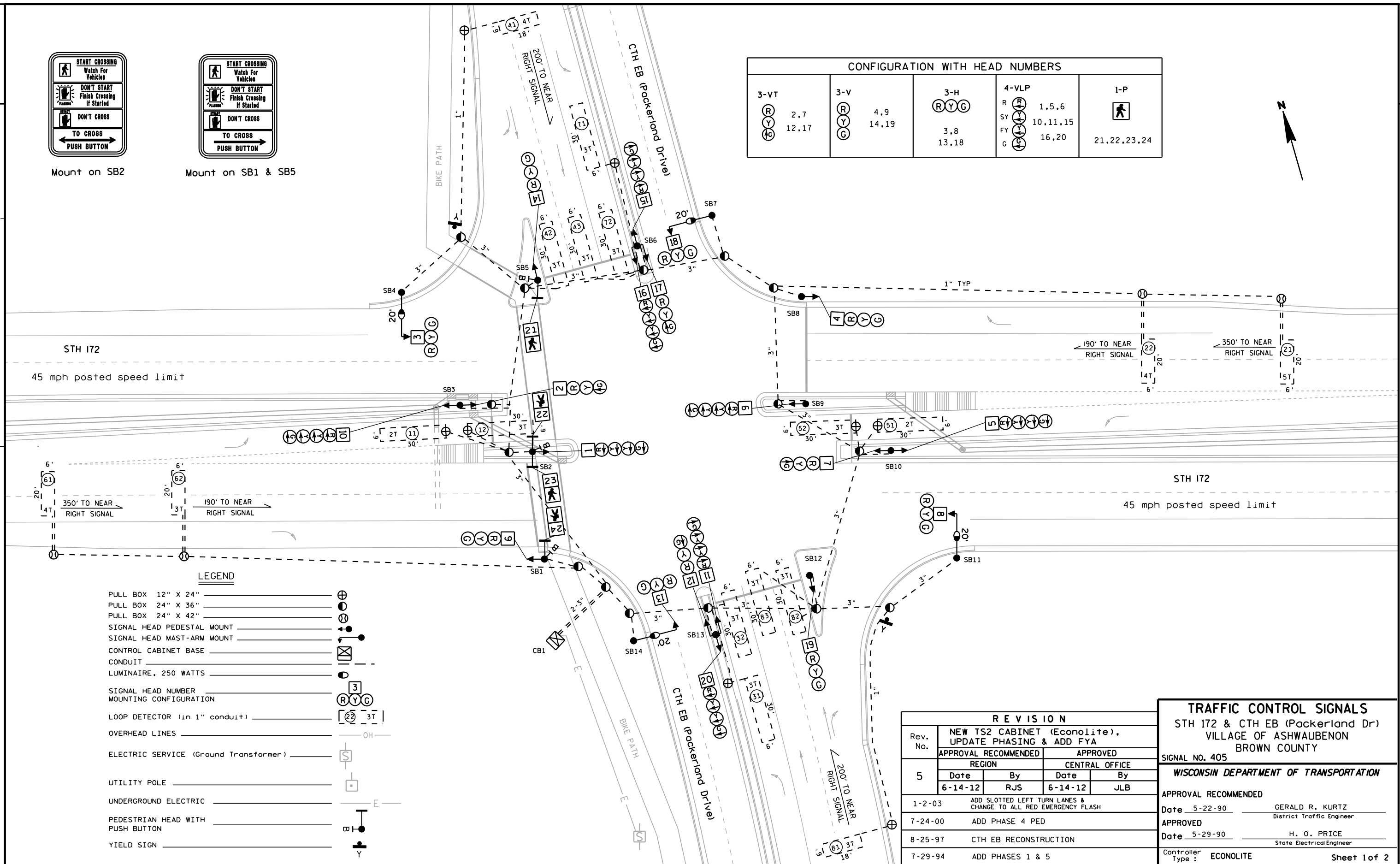


Mount on SB2



Mount on SB1 & SB5

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

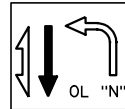
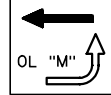


LEGEND	
PULL BOX 12" X 24"	⊕
PULL BOX 24" X 36"	⊗
PULL BOX 24" X 42"	⊙
SIGNAL HEAD PEDESTAL MOUNT	⬆
SIGNAL HEAD MAST-ARM MOUNT	⬆
CONTROL CABINET BASE	⊠
CONDUIT	—
LUMINAIRE, 250 WATTS	⬤
SIGNAL HEAD NUMBER	3
MOUNTING CONFIGURATION	(R) (Y) (G)
LOOP DETECTOR (in 1" conduit)	[22] 3T
OVERHEAD LINES	— OH —
ELECTRIC SERVICE (Ground Transformer)	⊞
UTILITY POLE	⊞
UNDERGROUND ELECTRIC	— E —
PEDESTRIAN HEAD WITH PUSH BUTTON	⬆
YIELD SIGN	Y

REVISION				
Rev. No.	NEW TS2 CABINET (Econolite), UPDATE PHASING & ADD FYA			
5	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
	Date	By	Date	By
	6-14-12	RJS	6-14-12	JLB
1-2-03	ADD SLOTTED LEFT TURN LANES & CHANGE TO ALL RED EMERGENCY FLASH			
7-24-00	ADD PHASE 4 PED			
8-25-97	CTH EB RECONSTRUCTION			
7-29-94	ADD PHASES 1 & 5			

TRAFFIC CONTROL SIGNALS	
STH 172 & CTH EB (Packerland Dr) VILLAGE OF ASHWAUBENON BROWN COUNTY	
SIGNAL NO. 405	
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED	
Date 5-22-90	GERALD R. KURTZ District Traffic Engineer
APPROVED	
Date 5-29-90	H. O. PRICE State Electrical Engineer
Controller Type : ECONOLITE	Sheet 1 of 2

SEQUENCE OF OPERATION



		Ø1						Ø2						Ø3						Ø4						F L A S H
		R/W	CLEAR TO				R/W	CLEAR TO				R/W	CLEAR TO				R/W	CLEAR TO								
			✖	✖				✖	✖				✖	✖				✖	✖							
RING 1	Ø1	6, 10	<u>G</u>	<u>Y</u>	<u>R</u>				-	-	-				<u>R</u>	<u>R</u>	<u>R</u>									
	Ø2	2, 3, 4	R	R	R				G	Y	R				R	R	R									
	Ø3	16, 20	<u>R</u>	<u>R</u>	<u>R</u>				<u>R</u>	<u>R</u>	<u>R</u>				-	-	-									
	Ø4	12, 13, 14	R	R	R				R	R	R				G	Y	R									
	Ø5	1, 5	<u>R</u>	<u>R</u>	<u>R</u>				<u>R</u>	<u>R</u>	<u>R</u>				<u>R</u>	<u>R</u>	<u>R</u>									
	Ø6	7, 8, 9	R	R	R				R	R	R				R	R	R									
	Ø7	11, 15	<u>R</u>	<u>R</u>	<u>R</u>				<u>R</u>	<u>R</u>	<u>R</u>				<u>R</u>	<u>R</u>	<u>R</u>									
	Ø8	17, 18, 19	R	R	R				R	R	R				R	R	R									
	Ø4P	21, 22, 23, 24	D	D	D				D	D	D				*	D	D									
OL	"M"	6, 10	-	-	-				FY	Y	<u>R</u>				-	-	-									
OL	"N"	16, 20	-	-	-				-	-	-				FY	Y	<u>R</u>									
OL	"O"	1, 5	-	-	-				-	-	-				-	-	-									
OL	"P"	11, 15	-	-	-				-	-	-				-	-	-									

<

DETECTOR LOGIC

[illegible]

CONTROLLER LOGIC

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

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	>
TRAFFIC RESPONSIVE	
ADAPTIVE	

TYPE OF PRE-EMPT

	NONE	
K	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	

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1	5 or 6	2, 3, 4, 7, 8
2	5 or 6	1, 3, 4, 7, 8
3	7 or 8	1, 2, 4, 5, 6
4	7 or 8	1, 2, 3, 5, 6
5	1 or 2	3, 4, 6, 7, 8
6	1 or 2	3, 4, 5, 7, 8
7	3 or 4	1, 2, 5, 6, 8
8	3 or 4	1, 2, 5, 6, 7

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

* WHEN CALLED, TIMED STEADY WALK, THEN FLASHING DON'T WALK, THEN GOES TO STEADY DON'T WALK

D = DON'T WALK

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 1AT 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.

Revision 5

STH 172 & CTH EB (Packerland Dr)
VILLAGE OF ASHWAUBENON
BROWN COUNTY

SIGNAL NO. 405

CONTROLLER TYPE: ECONOLITE

DATE: 6-14-2012

PAGE NO. 2 OF 2

PROJECT NO: 0083-03-01

HWY: STH 172

COUNTY: BROWN

SEQUENCE OF OPERATIONS S-405

SHEET

E