LEGEND

PULL BOX 12" X 24"	⊕
PULL BOX 24" X 42"	⊗
SIGNAL STANDARD, PEDESTAL MOUNT	
SIGNAL POLE, MONOTUBE ARM	35'
LUMINAIRE (250W)	
CONTROL CABINET BASE	⊠
3" CONDUIT (unless otherwise noted)	
LOOP DETECTOR (In 1" Conduit)	[22] 3T
SIGNAL HEAD NUMBER MOUNTING CONFIGURATION	③ Ⓡ Ⓨ Ⓖ
WALK/DON'T WALK INDICATOR 16" WITH COUNTDOWN TIMER	🚶
YIELD SIGN	Y
RAMP GATE	

MONOTUBE STRUCTURE NUMBERS

SB10	S-05-0139
SB14	S-05-0141
SB17	S-05-0140

CONFIGURATION WITH HEAD NUMBERS

3-V	4-VR2	3-VL3	1-P
Ⓡ Ⓨ Ⓖ 17, 18, 19 / 20, 21, 25 / 26, 27, 28 / 29, 30	Ⓡ Ⓨ Ⓕ Ⓖ 31, 32, 33	Ⓡ Ⓨ Ⓕ Ⓖ 22, 23, 24	🚶 34, 35 / 36, 37

R10-3E 9" X 15"
MOUNT ON SB15

R10-3E 9" X 15"
MOUNT ON SB16

START CROSSING Watch For Vehicles
DON'T START Finish Crossing If Started
TIME REMAINING To Finish Crossing
DON'T CROSS
TO CROSS PUSH BUTTON

CTH AAA (Oneida St)
35 MPH Posted Speed Limit

CTH AAA (Oneida St)
30 MPH Posted Speed Limit

USH 41 NB on ramp

USH 41 NB off ramp

240' TO NEAR RIGHT SIGNAL

275' TO NEAR RIGHT SIGNAL

45'
55'
55'

Overlap "B" (FYA)
Overlap "C"

Plantings
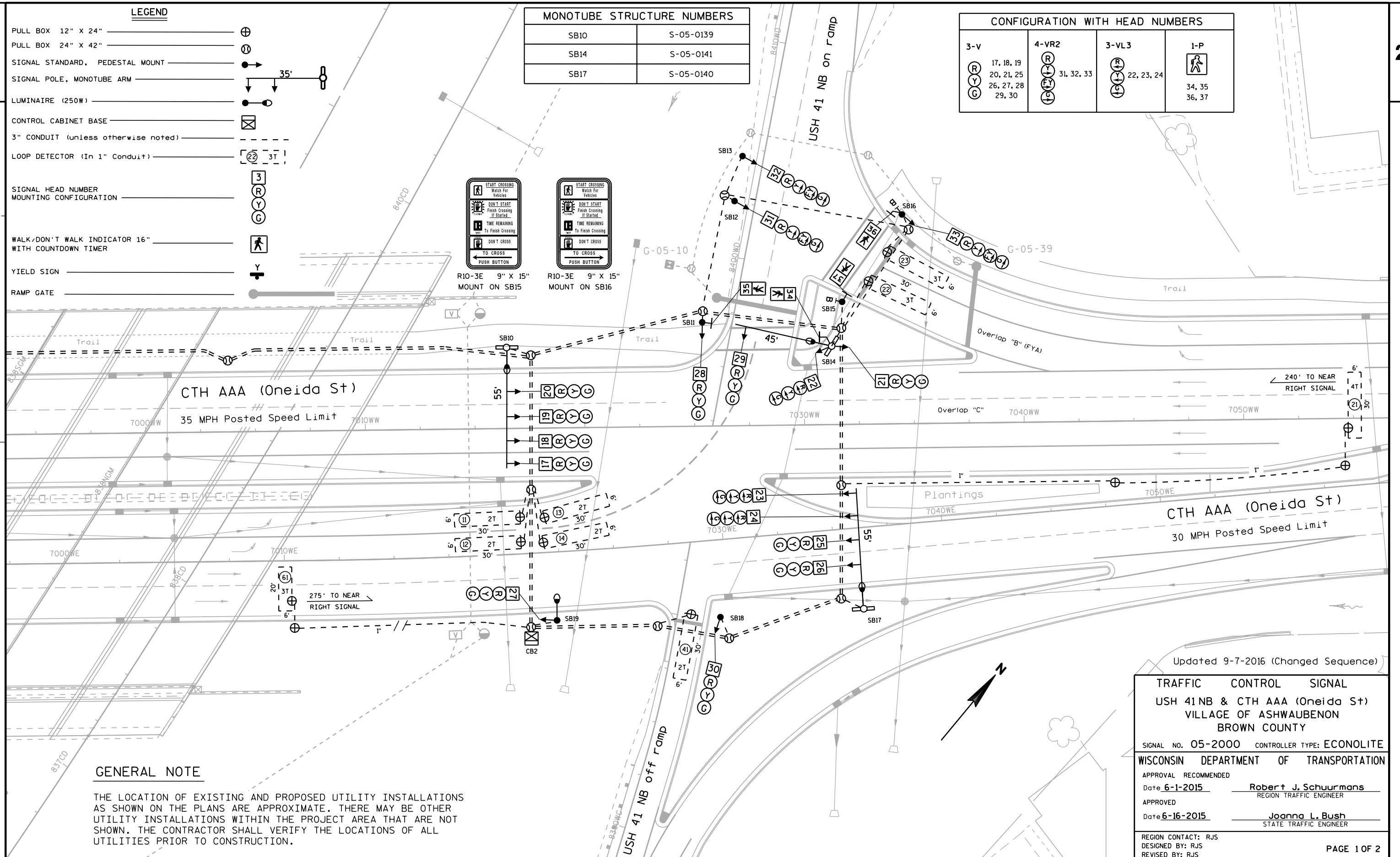
Updated 9-7-2016 (Changed Sequence)

TRAFFIC CONTROL SIGNAL
USH 41 NB & CTH AAA (Oneida St)
VILLAGE OF ASHWAUBENON
BROWN COUNTY

SIGNAL NO. 05-2000   CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 6-1-2015   Robert J. Schuurmans
REGION TRAFFIC ENGINEER

APPROVED
Date 6-16-2015   Joanna L. Bush
STATE TRAFFIC ENGINEER

REGION CONTACT: RJS
DESIGNED BY: RJS
REVISED BY: RJS

PAGE 1 OF 2

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: 1133-09-76 | HWY: USH 41 | COUNTY: BROWN | TRAFFIC CONTROL SIGNAL S05-2000 | SHEET | E |

FILE NAME : F:\d3_traffi\S05-2000 (41 NB & Oneida).dgn   PLOT DATE : 08-NOV-2016 10:10   PLOT BY : dotc5s   PLOT NAME : S05-2000.up   PLOT SCALE : 40:1   WISDOT/CADDS SHEET 42

HEAD NUMBERS

	HEAD NUMBERS	FLASH
Ø1	22, 23, 24	R ←
Ø2	31, 32, 33	R →
Ø3		
Ø4	28, 29, 30	R
Ø5		
Ø6	25, 26, 27	R
Ø7		
Ø8		
Ø2P	34, 35	
Ø1+Ø4P	36, 37	
OLB	31, 32, 33	-
OLC	17, 18, 19, 20, 21	R

RING 1

Ø1 (left turn arrow, 1×4) | Ø9 OL "C" | Ø2 OL "C" | Ø3 NOT USED | Ø4 (up arrow, 1×4, OL "B")

RING 2

Ø5 NOT USED | Ø6 (right arrow) | | Ø7 NOT USED | Ø8 NOT USED

BARRIER
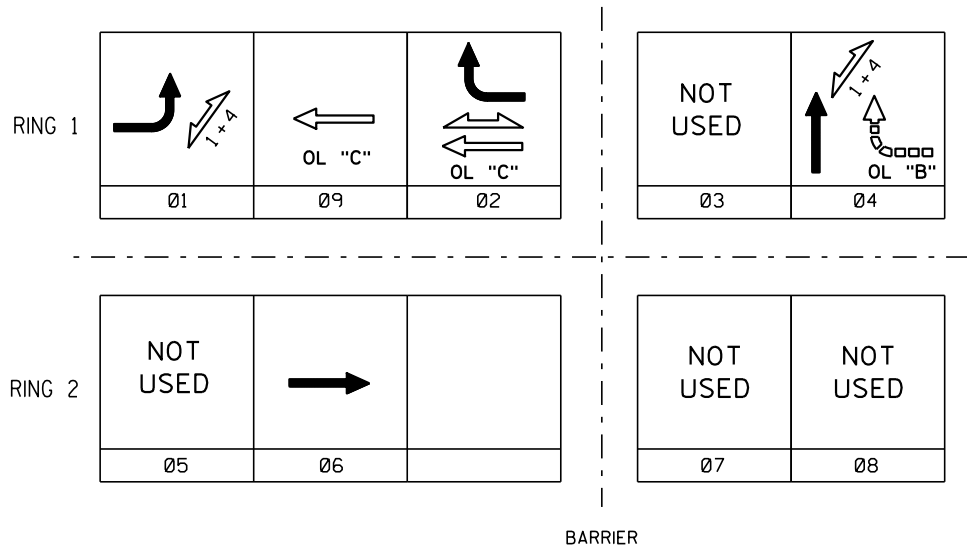
VEH/PED OVERLAPS

O.L. "C" = 2, 9

PED O.L. "I" = 1 + 4

VEHICLE OVERLAPS PPLT FYA

	Protected Left Turn	Opposing Through
OL "B"	2	4

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				x
2			MIN/PED	x
3				
4				x
5				
6			MIN	x
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-400

SIGNAL SYSTEM #: SS-0177

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	

GENERAL NOTES:

1. PROVIDE FOR HAND CONTROL.
2. PED OVERLAP "I" SHALL OPERATE AS FOLLOWS:
   - IF A PED OVERLAP "I" CALL IS RECEIVED WHILE PHASE 1 IS TIMING, THE PED OVERLAP CALL SHALL BE SERVED DURING PHASE 4 AND OVERLAP "B" SHALL BE INACTIVE.
   - IF A PED OVERLAP "I" CALL IS RECEIVED WHILE PHASE 4 IS TIMING, THE PED OVERLAP CALL SHALL BE SERVED DURING PHASE 1.

DETECTOR LOGIC

RACK # 1

DETECTOR CHANNEL	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR #(S)	11	13	21	41	61	22		
ASSIGNED PHASE	1	1	2	4	6	2		
OPERATION MODE	Veh	Veh	Veh	Veh	Veh	Veh		
SWITCH TO PHASE								
EXTEND								
DELAY								
DETECTOR CHANNEL	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR #(S)	12	14				23		
ASSIGNED PHASE	1	1				2		
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								

Updated 9-7-2016 (Changed Sequence)

USH 41 NB & CTH AAA (Oneida St)
VILLAGE OF ASHWAUBENON
BROWN COUNTY

SIGNAL NO. 05-2000

CABINET: TS2   CONTROLLER: ECONOLITE

DATE: 11-4-2016   PAGE NO. 2 OF 2

PROJECT NO: 1133-09-76 | HWY: USH 41 | COUNTY: BROWN | SEQUENCE OF OPERATIONS S05-2000 | SHEET | E

FILE NAME : F:\d3_traffi\S05-2000 (41 NB & Oneida).dgn | PLOT DATE : 08-NOV-2016 10:10 | PLOT BY : dotc5s | PLOT NAME : S05-2000.seq.up PLOT SCALE : 40:1 | WISDOT/CADDS SHEET 42