

## LEGEND

PULL BOX 24" X 42"	⊕
PULL BOX 12" X 24"	⊕
PULL BOX 24" X 36"	⊕
SIGNAL STANDARD, PEDESTAL MOUNT	→
SIGNAL POLE, MAST-ARM, TRANSFORMER MOUNT	→
LUMINAIRE, (under permit)	⬢
CONTROL CABINET BASE	⊠
3" CONDUIT (2" from PB to T1/T2 concrete base)	---
LOOP DETECTOR (In 1" Conduit)	⊕ 3T
LOOP DETECTOR (In 1" Conduit W/12" PULL BOX)	⊕ 3T
SIGNAL HEAD NUMBER MOUNTING CONFIGURATION	⊕ 12 R Y G
SIGNAL POLE, MONOTUBE ARM	40'

## NOTE

WISCONSIN DOT NE REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL LOOP DETECTORS AND CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION; MAKE WIRING TERMINATIONS IN THE SIGNAL CABINET. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 492-5710.

## NOTE:

HEAD # 1 REQUIRES A TUNNEL VISOR

## PULL BOX NOTE:

ALL 24" PULL BOXES TO BE REPLACED WITH NON-CONDUCTIVE IN THE SAME LOCATION AS EXISTING STEEL PULL BOXES

## 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.

## CONFIGURATION WITH HEAD NUMBERS

3-H	3-V	4-VLP
R Y G	R 3, 4, 5 Y 6, 7, 8 G 9, 11, 12	R 1, 2 Y 3, 4, 5 G 6, 7, 8
10		

## MONOTUBE STRUCTURE NUMBERS

SB2	S-70-0375
SB6	S-70-0376

## TRAFFIC CONTROL SIGNAL

USH 41 SB & CTH II (Winchester Road)  
TOWN OF MENASHA  
WINNEBAGO COUNTY

SIGNAL NO. 70-0295

SCALE 0 20

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date 8-3-1982

Dale J. Borell

DISTRICT TRAFFIC ENGINEER

APPROVED

Date 8-19-1982

H. O. Price

FOR STATE TRAFFIC ENGINEER

Controller Type: EPAC TS2

PAGE 1 OF 2

PROJECT NO:1517-07-74

HWY: USH 41

COUNTY: WINNEBAGO

CONSTRUCTION DETAIL - TRAFFIC SIGNAL REVISION

SHEET

E

## CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2			MIN	X
3				
4				X
5				X
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: S70-0295	
SIGNAL SYSTEM #: SS70-0002	

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	

	HEAD NUMBERS	FLASH
01		
02	3, 4, 5	R
03		
04	9, 10, 11, 12	R
05	1, 2	-
06	6, 7, 8	R
07		
08		
02P		
04P		
06P		
08P		
OLA		
OLB		
OLC	1, 2	R
OLD		

RING 1

NOT USED	←
01	02

NOT USED	↓
03	04

RING 2

↶	OL "C" ↘
05	06

NOT USED	NOT USED
07	08

BARRIER



## DETECTOR LOGIC

RACK # 1

DETECTOR CHANNEL	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR #(S)	21	41		51	61			
ASSIGNED PHASE	2	4		5	6			
OPERATION MODE	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)		42		52	62			
ASSIGNED PHASE		4		5	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								

## OVERLAP SPECIAL

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

## GENERAL NOTES:

1. PROVIDE FOR HAND CONTROL.

I41 SB & CTH II (Winchester Rd.)  
TOWN OF MENASHA  
WINNEBAGO COUNTY

SIGNAL NO. 70-0295

Controller Type: EPAC TS2

Date: -----