LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- PULL BOX 24" X 42"
- SIGNAL STANDARD, PEDESTAL MOUNT
- SIGNAL POLE, MONOTUBE ARM — 35'
- LUMINAIRE (250W)
- CONTROL CABINET BASE
- 2" CONDUIT (unless otherwise noted)
- LOOP DETECTOR (In 1" Conduit) — 22, 3T
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION — 3, R, Y, G
- OVERHEAD LINES — OH
- UNDERGROUND ELECTRIC — E
- UTILITY POLE
- YIELD SIGN — Y

CONFIGURATION WITH HEAD NUMBERS	
3-V	3, 4, 5 8, 9, 10 11, 12, 13 14, 15, 16
4-VLP	1, 2, 6, 7

MONOTUBE STRUCTURE NUMBERS	
SB2	S-70-170
SB4	S-70-171
SB6	S-70-172
SB8	S-70-173

2

N

Planeview Drive

Directional 5.8 GHz Wireless Ethernet Radio Mounted near Top of Pole

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.

STH 26

45 MPH Posted Speed Limit

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8

CB1

Overlap "A"

Overlap "C"

470' TO NEAR RIGHT SIGNAL

350' TO NEAR RIGHT SIGNAL

190' TO NEAR RIGHT SIGNAL

Asphalt Concrete

C.S.W.

SIGN

MH

Updated 11-18-2016 (Added Comms System)

TRAFFIC CONTROL SIGNAL

STH 26 & PLANEVIEW DRIVE
CITY OF OSHKOSH
WINNEBAGO COUNTY

SIGNAL NO. 70-1332 CONTROLLER TYPE: EPAC

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 7-1-2010 — Robert J. Schuurmans, REGION TRAFFIC ENGINEER

APPROVED
Date 7-7-2010 — Joanna L. Bush, STATE TRAFFIC ENGINEER

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

PROJECT NO: 1120-10-80	HWY: STH 26	COUNTY: WINNEBAGO	TRAFFIC CONTROL SIGNAL S70-1332	SHEET E

FILE NAME : F:\d3_traffi\S-1332.dgn PLOT DATE : 22-FEB-2017 10:23 PLOT BY : dotc5s PLOT NAME : S-1332.up PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

SEQUENCE OF OPERATION

			01						02						03						04						FLASH
				CLEAR TO						CLEAR TO						CLEAR TO						CLEAR TO					
		HEAD NUMBERS	R/W	**					R/W	**					R/W	**					R/W	**					
	01	6, 7	G ←	-	-				-	-	-				-						-	-	-				-
	02	3, 4, 5	R	R	R				G	Y	R				R						R	R	R				R
	03																										
	04	11, 12, 13	R	R	R				R	R	R				R						G	Y	R				R
RING 1	05	1, 2	-	-	-				-	-	-				-						-	-	-				-
	06	8, 9, 10	R	R	R				R	R	R				R						R	R	R				R
	07																										
	08	14, 15, 16	R	R	R				R	R	R				R						R	R	R				R
OL	"A"	6, 7	-	Y ←	R ←				FY ←	Y ←	R ←				R ←						R ←	R ←	R ←				R ←
OL	"B"																										
OL	"C"	1, 2	R ←	R ←	R ←				R ←	R ←	R ←				R ←						R ←	R ←	R ←				R ←
OL	"D"																										

			05						06						07						08					
				CLEAR TO						CLEAR TO						CLEAR TO						CLEAR TO				
		HEAD NUMBERS	R/W	**					R/W	**					R/W	**					R/W	**				
	01	6, 7	-	-	-				-	-	-				-						-	-	-			
	02	3, 4, 5	R	R	R				R	R	R				R						R	R	R			
	03																									
RING 2	04	11, 12, 13	R	R	R				R	R	R				R						R	R	R			
	05	1, 2	G ←	-	-				-	-	-				-						-	-	-			
	06	8, 9, 10	R	R	R				G	Y	R				R						R	R	R			
	07																									
	08	14, 15, 16	R	R	R				R	R	R				R						G	Y	R			
OL	"A"	6, 7	R ←	R ←	R ←				R ←	R ←	R ←				R ←						R ←	R ←	R ←			
OL	"B"																									
OL	"C"	1, 2	-	Y ←	R ←				FY ←	Y ←	R ←				R ←						R ←	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	5 or 6	2, 4, 8
2	5 or 6	1, 4, 8
3		
4	8	1, 2, 5, 6
5	1 or 2	4, 6, 8
6	1 or 2	4, 5, 8
7		
8	4	1, 2, 5, 6

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION: CALLS AND EXTENDS	DETECTOR OPERATION: CALLS ONLY	DETECTOR OPERATION: EXTENDS ONLY	PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
11	1	X			1	1				6x30	2
21	2	X			2	2			X	6x20	4
22	3	X			2	2				6x20	3
23	4	X			2	2				6x30	2
41	5	X			4	4		X		6x30	2
42	6	X			4	4		X		6x30	2
51	7	X			5	5				6x30	2
61	8	X			6	6				6x20	5
62	9	X			6	6			X	6x20	5
63	10	X			6	6				6x20	4
64	11	X			6	6				6x30	2
81	12	X			8	8		X		6x30	2
82	13	X			8	8		X		6x30	2
83	14	X			8	8		X		6x30	2

CONTROLLER LOGIC

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

OVERLAP SPECIAL

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

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

TYPE OF COORDINATION	
NONE	
TBC	x
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S70-xxxx
SIGNAL SYSTEM *:	SS-70-xxxx

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. 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.

Updated 11-18-2016 (Added Comms System)

STH 26 & PLANEVIEW DRIVE
CITY OF OSHKOSH
WINNEBAGO COUNTY

SIGNAL NO. 70-1332

CONTROLLER TYPE: EPAC TS1

DATE: 7-7-2010 PAGE NO. 2 OF 2

PROJECT NO: 1120-10-80	HWY: STH 26	COUNTY: WINNEBAGO	SEQUENCE OF OPERATIONS S70-1332	SHEET	E