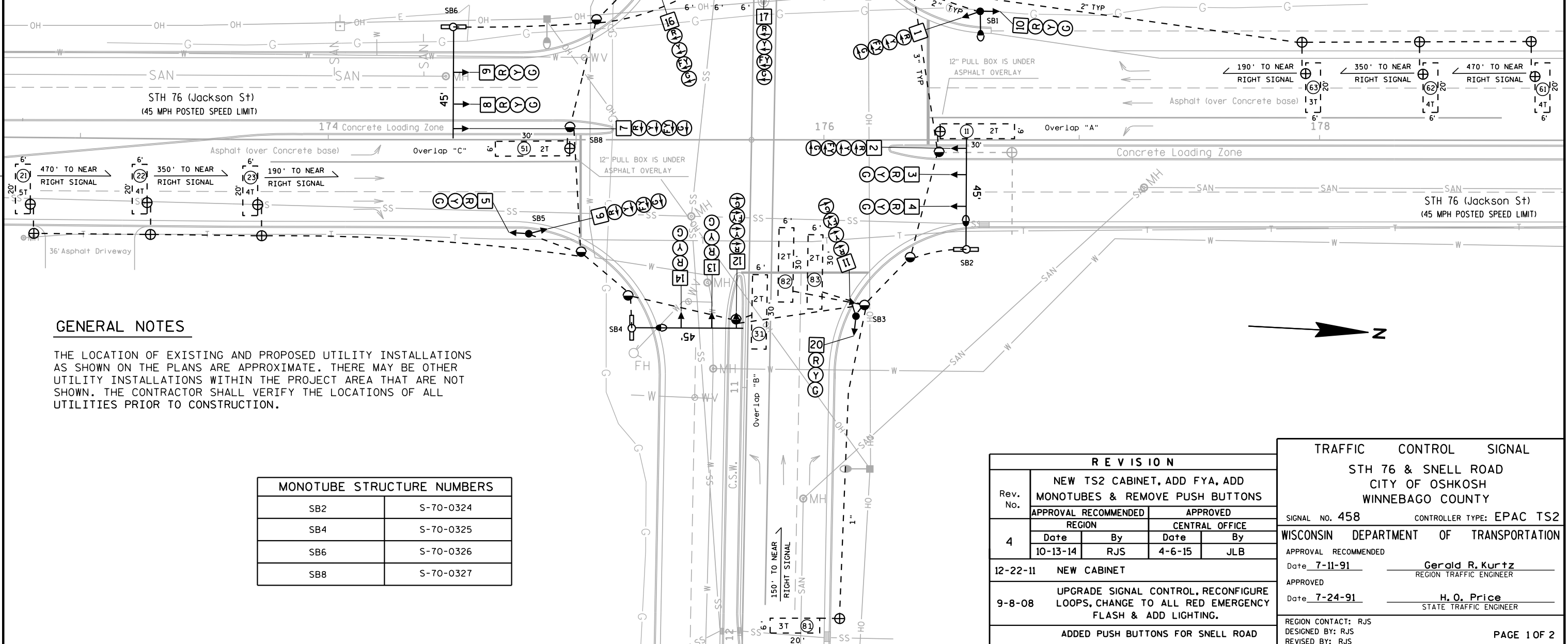


## LEGEND

PULL BOX 12" X 24"	⊕
PULL BOX 24" X 36"	⊙
SIGNAL STANDARD, PEDESTAL BASE	←●
SIGNAL POLE, MONOTUBE ARM	↓ ↓ ↓
CONTROL CABINET BASE	⊠
CONDUIT	---
SIGNAL HEAD NUMBER	3
MOUNTING CONFIGURATION	Ⓡ Ⓢ Ⓣ
LOOP DETECTOR (in 1" conduit)	[2T] 3T
LOOP DETECTOR IN 1 INCH PVC CONDUIT WITH 12" X 24" PULL BOX IN CONCRETE PAVEMENT WITH ASPHALTIC OVERLAY.	[2T] ⊕
LUMINAIRE (under permit to local municipality)	■

CONFIGURATION WITH HEAD NUMBERS	
3-V	4-VLFY
Ⓡ 3, 4, 5	Ⓡ 1, 2
Ⓢ 8, 9, 10	Ⓢ 6, 7
Ⓣ 13, 14, 15	Ⓣ 11, 12
18, 19, 20	16, 17



PROJECT NO: 3700-30-02

HWY: STH 76

COUNTY: WINNEBAGO

TRAFFIC CONTROL SIGNAL S-458

SHEET

E

FILE NAME : F:\d3-traffic\N-458,rev4.dgn

PLOT DATE : 30-APR-2015 11:37

PLOT BY : dotc5s

PLOT NAME : S-458,rev4

PLOT SCALE : 40:1

WISDOT/CADDs SHEET 42

RING 1

		Ø1								Ø2							
		CLEAR TO								CLEAR TO							
	HEAD NUMBERS	R/W	*	*						R/W	*	*					
Ø1	6, 7	G	-	-						-	-	-					
Ø2	3, 4, 5	R	R	R						G	Y	R					
Ø3	16, 17	-	-	-						-	-	-					
Ø4	13, 14, 15	R	R	R						R	R	R					
Ø5	1, 2	-	-	-						-	-	-					
Ø6	8, 9, 10	R	R	R						R	R	R					
Ø7	11, 12	-	-	-						-	-	-					
Ø8	18, 19, 20	R	R	R						R	R	R					
OL "A"	6, 7	-	Y	R						FY	Y	R					
OL "B"	16, 17	R	R	R						R	R	R					
OL "C"	1, 2	R	R	R						R	R	R					
OL "D"	11, 12	R	R	R						R	R	R					

RING 2

		Ø5								Ø6							
		CLEAR TO								CLEAR TO							
	HEAD NUMBERS	R/W	*	*						R/W	*	*					
Ø1	6, 7	-	-	-						-	-	-					
Ø2	3, 4, 5	R	R	R						R	R	R					
Ø3	16, 17	-	-	-						-	-	-					
Ø4	13, 14, 15	R	R	R						R	R	R					
Ø5	1, 2	G	-	-						-	-	-					
Ø6	8, 9, 10	R	R	R						G	Y	R					
Ø7	11, 12	-	-	-						-	-	-					
Ø8	18, 19, 20	R	R	R						R	R	R					
OL "A"	6, 7	R	R	R						R	R	R					
OL "B"	16, 17	R	R	R						R	R	R					
OL "C"	1, 2	-	Y	R						FY	Y	R					
OL "D"	11, 12	R	R	R						R	R	R					

BARRIER

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)

## DETECTOR LOGIC

DETECTOR NUMBER	DETECTOR RACK CHANNEL	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							
11	3	X			1	1				6x30	2
21	1	X			2	2				6x20	5
22	2	X			2	2			X	6x20	4
23	7	X			2	2				6x20	4
31	5	X			3	3				6x30	2
42	9	X			4	4				6x30	4
43	10	X			4	4		X		6x30	3
51	19	X			5	5				6x30	2
61	17	X			6	6				6x20	4
62	18	X			6	6			X	6x20	4
63	23	X			6	6				6x20	3
71	21	X			7	7				6x30	3
81	27			X		8				6x20	3
82	28	X			8	8				6x30	2
83	25	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				YES
4		8		YES
5				YES
6			MIN	YES
7				YES
8		4		YES

## OVERLAP SPECIAL

	Protected	Permissive
OL "A"	1	2
OL "B"	3	4
OL "C"	5	6
OL "D"	7	8

TYPE OF INTERCONNECT COMMUNICATION	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM #:	SS0000

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	X
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

## 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

Revision 4

STH 76 & SNELL ROAD  
CITY OF OSHKOSH  
WINNEBAGO COUNTY

SIGNAL NO. 458

CONTROLLER TYPE: EPAC TS2

DATE: 4-6-2015

PAGE NO. 2 OF 2

PROJECT NO: 3700-30-02

HWY: STH 76

COUNTY: WINNEBAGO

SEQUENCE OF OPERATIONS S-458

SHEET

E