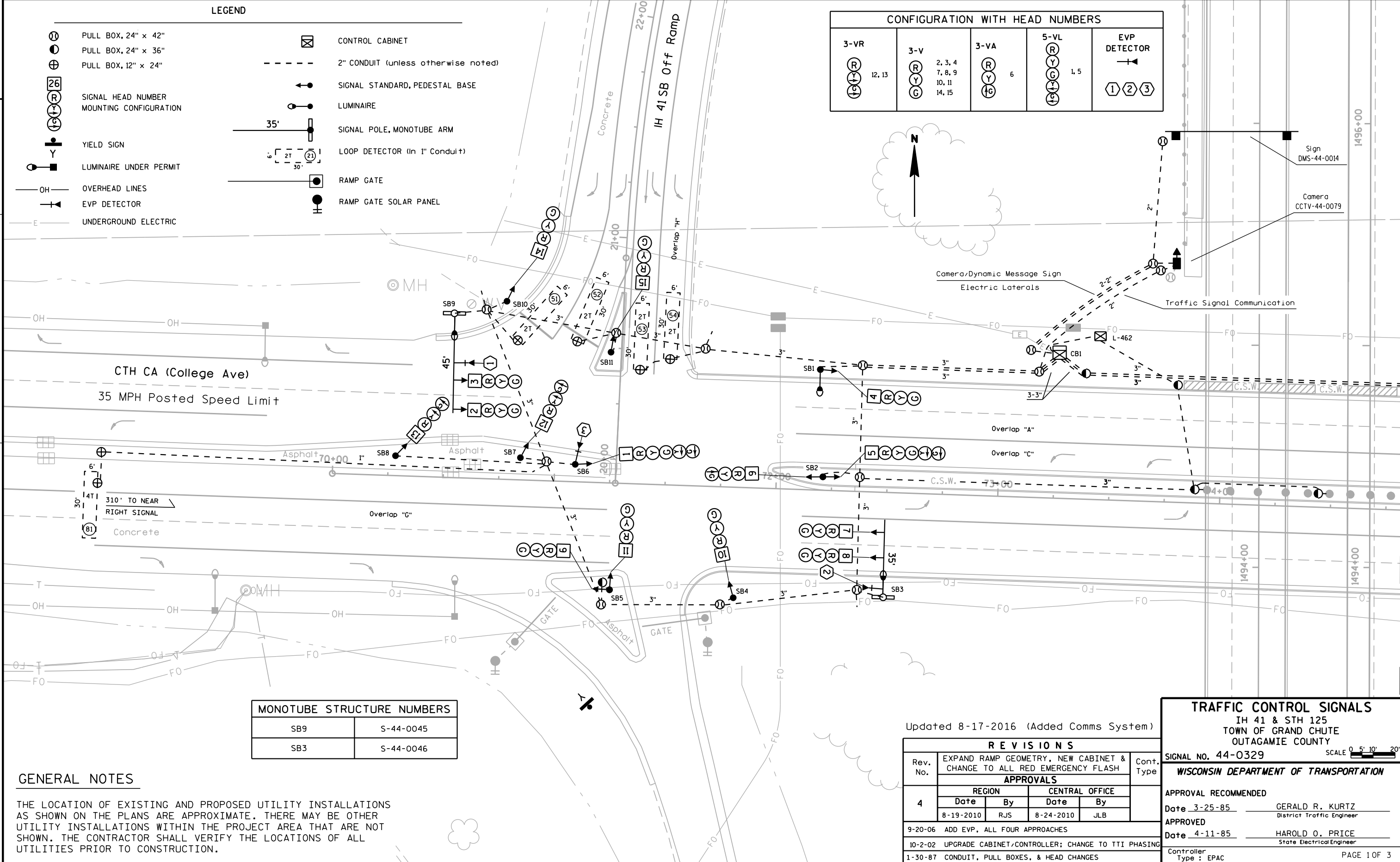




PROJECT NO: 0083-03-01

HWY: IH 41

COUNTY: OUTAGAMIE

TRAFFIC CONTROL SIGNAL S44-0329

SHEET

E

FILE NAME : F:\d3_traffic\I-329,west,rev4,const.dgn

PLOT DATE : 13-DEC-2016 07:55

PLOT BY : dotc5s

PLOT NAME : S-329,west,rev4,upPLOT SCALE : 40:1

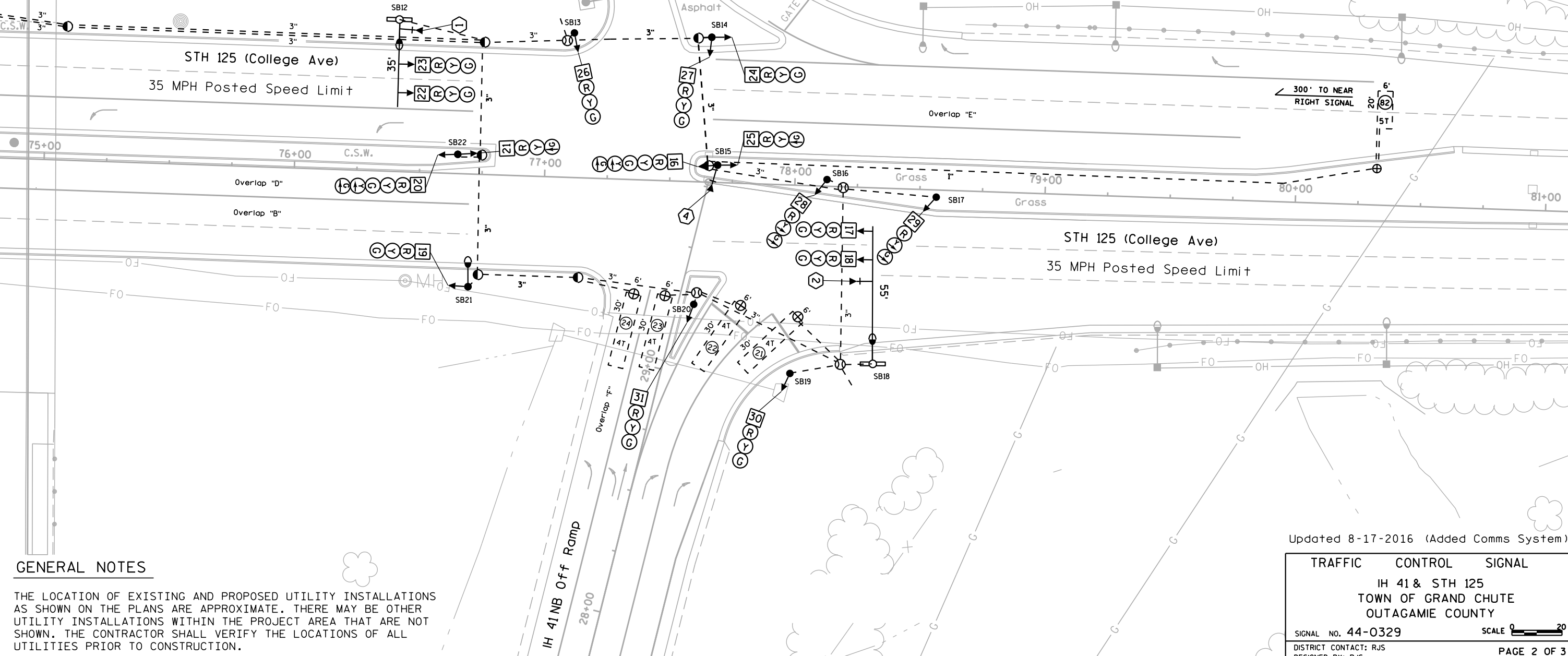
WISDOT/CADDs SHEET 42

CONFIGURATION WITH HEAD NUMBERS				
3-VR	3-V	3-VA	5-VL	EVP DETECTOR
R Y G 28, 29	R Y G 17, 18, 19 22, 23, 24 26, 27 30, 31	R Y G 21, 25	R Y G Y G 16, 20	1 2 4

MONOTUBE STRUCTURE NUMBERS	
SB12	S-44-0047
SB18	S-44-0048

LEGEND

- PULL BOX, 24" x 42"
- PULL BOX, 24" x 36"
- PULL BOX, 12" x 24"
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION
- YIELD SIGN
- LUMINAIRE UNDER PERMIT
- OVERHEAD LINES
- EVP DETECTOR
- UNDERGROUND ELECTRIC
- CONTROL CABINET
- 2" CONDUIT (unless otherwise noted)
- SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE
- SIGNAL POLE, MONOTUBE ARM
- LOOP DETECTOR (In 1" Conduit)
- RAMP GATE
- RAMP GATE SOLAR PANEL



GENERAL NOTES

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.

Updated 8-17-2016 (Added Comms System)

TRAFFIC CONTROL SIGNAL

IH 41 & STH 125

TOWN OF GRAND CHUTE

OUTAGAMIE COUNTY

SIGNAL NO. 44-0329

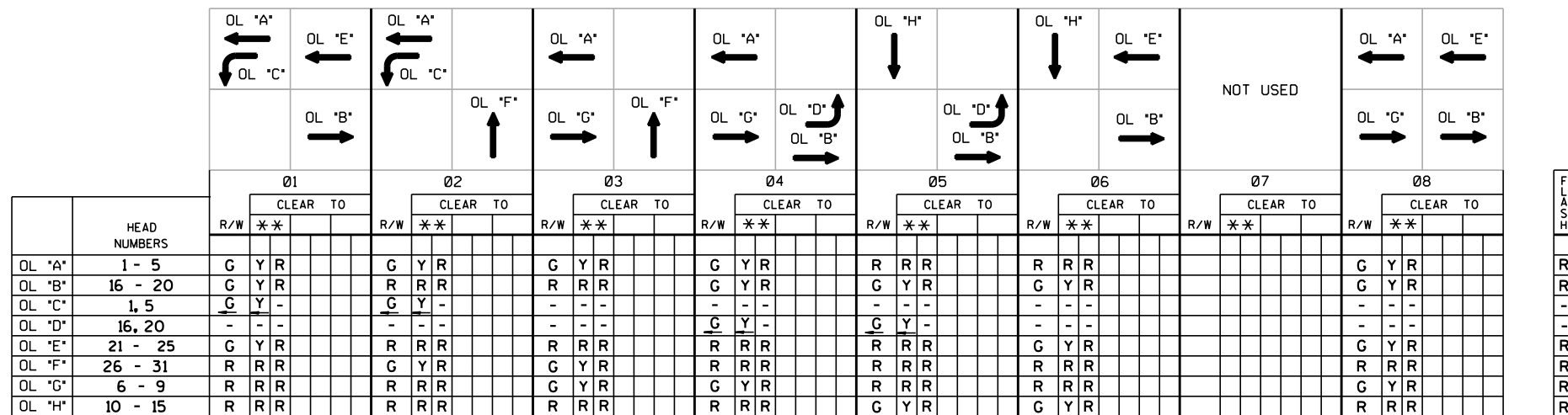
DISTRICT CONTACT: RJS

DESIGNED BY: RJS

SCALE 0 20

PAGE 2 OF 3

SEQUENCE OF OPERATION



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL DAY	PHASE RECALL NIGHT
1			COORD.	
2			MAX.	
3			MAX.	
4			COORD.	
5			MAX.	
6			MAX.	
7				
8				MIN.

OVERLAPS

O.L. "A" = 01,02,03,04,08
O.L. "B" = 01,04,05,06,08
O.L. "C" = 01,02
O.L. "D" = 04,05
O.L. "E" = 01,06,08
O.L. "F" = 02,03
O.L. "G" = 03,04,08
O.L. "H" = 05,06

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

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
Ø1	NONE	2,3,4,5,6,8
Ø2	NONE	1,3,4,5,6,8
Ø3	NONE	1,2,4,5,6,8
Ø4	NONE	1,2,3,5,6,8
Ø5	NONE	1,2,3,4,6,8
Ø6	NONE	1,2,3,4,5,8
Ø7		
Ø8	NONE	1,2,3,4,5,6

TYPE OF INTERCONNECT COMMUNICATION	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO: S0329	
SIGNAL SYSTEM #: SS0077	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	X
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
21	1	X			2	2		X		6x30	4
22	2	X			2	2		X		6x30	4
23	3	X			2	2				6x30	4
24	4	X			2	2				6x30	4
51	5	X			5	5		X		6x30	2
52	6	X			5	5		X		6x30	2
53	7	X			5	5				6x30	2
54	8	X			5	5				6x30	2
81	9	X			8	8				6x30	4
82	10	X			8	8				6x20	5

NOTES:

- ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
- WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)
- DAY - OMIT PHASE 8
NIGHT - OMIT PHASES 1, 3, 4 & 6
- PROVIDE FOR HAND CONTROL
- EMERGENCY VEHICLE PREEMPTION
 - UPON PREEMPTION, THE SIGNAL SHALL CLEAR TO PHASE 1 or 2 or 4 or 5.
 - ANY GREEN INTERVAL IN EFFECT SHALL TIME A MINIMUM 5 SECOND DURATION BEFORE ENTERING THE PREEMPT SEQUENCE. ELAPSED GREEN TIME PRIOR TO THE PREEMPT CALL SHALL BE CONSIDERED THE MINIMUM TIME.
 - ANY CLEARANCE INTERVAL IN EFFECT SHALL TIME ITS FULL NORMAL DURATION BEFORE ENTERING THE PREEMPT SEQUENCE.
 - THE SIGNAL SHALL DWELL IN PHASE 1 or 2 or 4 or 5, DURING PREEMPTION.
 - UPON TERMINATION OF PREEMPTION, VEHICLE CALLS SHALL BE PLACED IN ALL PHASES ACTIVE DURING NORMAL PHASE CYCLING.

EMERGENCY VEHICLE PREEMPTION

DETECTOR	1	2	3	4
MOVEMENT				
PHASE	1	4	5	2
TOMAR CHANNEL	1	2	3	4

Updated 8-17-2016 (Added Comms System)

TRAFFIC CONTROL SIGNALS

USH 41 & STH 125 (COLLEGE AVE)
TOWN OF GRAND CHUTE
OUTAGAMIE COUNTY

SIGNAL NO. 44-0329

CONTROLLER: EPAC TS1

DATE: 8-24-2010

SHEET 3 OF 3

PROJECT NO: 0083-03-01

HWY: IH 41

COUNTY: OUTAGAMIE

SEQUENCE OF OPERATIONS S44-0329

SHEET

E