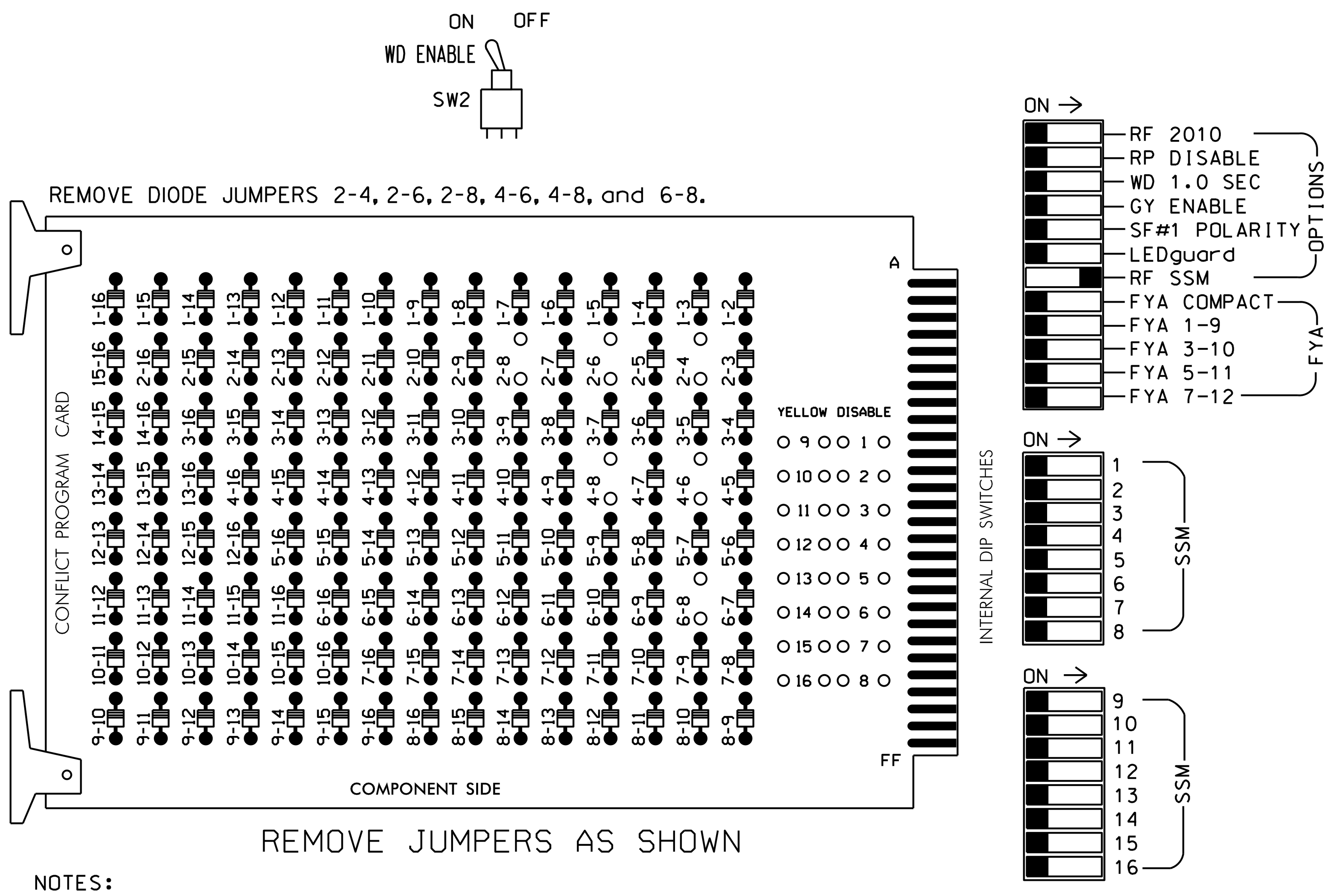
EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



REMOVE JUMPERS AS SHOWN

NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Make sure jumpers SEL2-SEL5 are present on the monitor board.
3. !! The RED FAIL fault indicator will flash once every two seconds to indicate that red fail monitoring is disabled. This is permissible for the above monitor configuration. !!

INPUT FILE POSITION LAYOUT

(front view)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I"	U	SLOT EMPTY	ø2 2A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	ø4 4A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	FS DC ISOLATOR
	L		ø2 2B				NOT USED								ST DC ISOLATOR
FILE "J"	U	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	ø8 8A	ø8 8C	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY
	L						ø8 8B	NOT USED							

EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y		4.0	
8A	TB5-9,10	J6U	42	4	8	8	Y	Y		4.0	
8B	TB5-11,12	J6L	46	8	18	8	Y	Y			
8C	TB7-1,2	J7U	66	28	38	8	Y	Y			

NOTES

1. To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.

   Make sure yellow flash program plugs are inserted for phases 2, 4 and 6; and red plug for phase 8.

2. To prevent red failures on unused monitor channels, see Red Monitor Board Programming Detail this sheet.
3. Program phases 2, 6, 4, and 8 for Start Up In Green.
4. Sequence programming is critical to proper operation. See "Phase Sequence Programming Detail" below.
5. Program phases 2, 4, and 6 for "YELLOW FLASH."

EQUIPMENT INFORMATION

CONTROLLER..............2070L
CABINET.................332
SOFTWARE................ECONOLITE OASIS
CABINET MOUNT...........BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED......S2,S4,S6,S8
PHASES USED.............2,4,6,8
OVERLAPS................NONE

PHASE SEQUENCE PROGRAMMING DETAIL

(program controller as shown below)

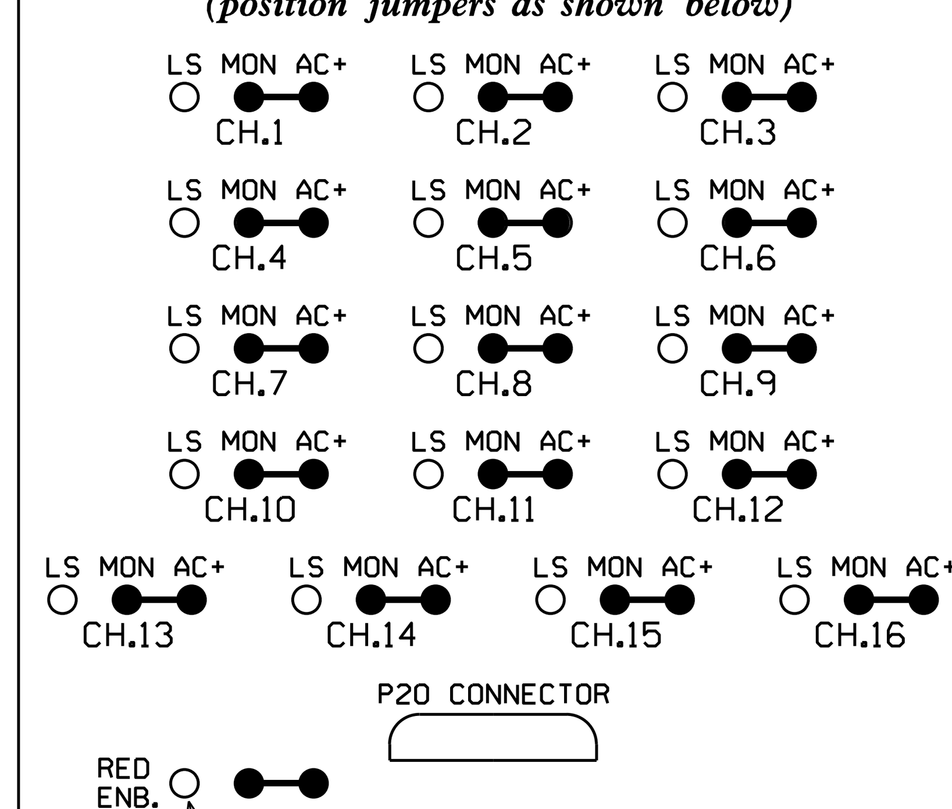
FROM OASIS LOCAL CONTROLLER MAIN MENU
SELECT: 4 PHASE SEQUENCE

```
PHASE SEQUENCE: PAGE 1  NEXT: PAGES)  ↘
RNG LEAD   BARRIER 1  X-LAG LEAD   BARRIER 2  X-LAG
1   0      2     0     0     0      0     0     0
2   0      6     0     0     0      0     0     0
3   0      4     0     0     0      0     0     0
4   0      8     0     0     0      0     0     0
```

NOTICE PHASES 2, 4, 6, AND 8 IN RESPECTIVE RINGS, AND ALL IN BARRIER 1. NO BARRIER 2 PHASES.

RED MONITOR BOARD PROGRAMMING

(position jumpers as shown below)



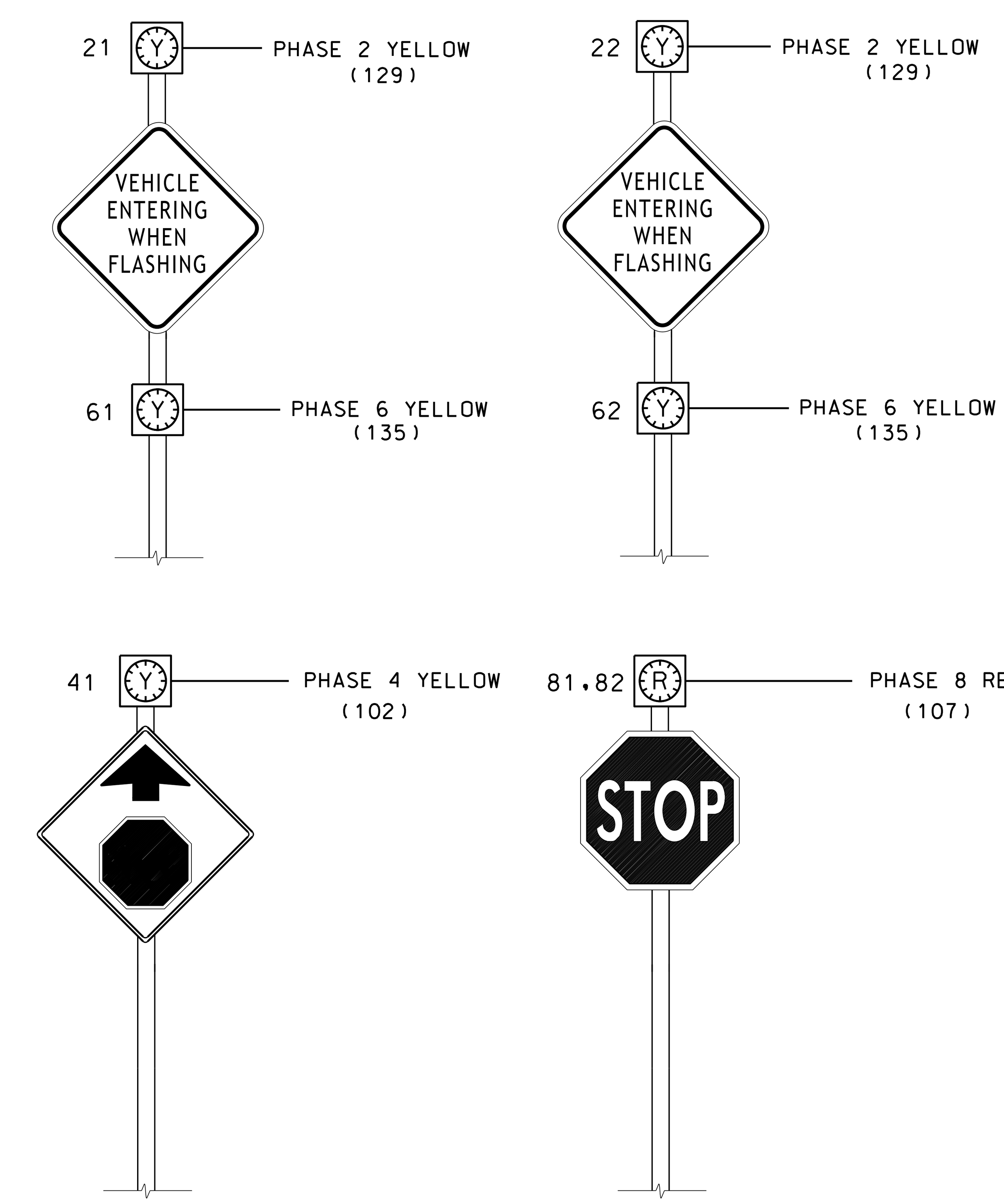
This pin clipped at the factory.

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	NU	NU	41	NU	NU	61,62	NU	NU	81,82	NU
RED											107	
YELLOW		129			102			135				

NU = Not Used

NOTE: SEE PICTORIAL DIAGRAM OF SIGNAL HEAD WIRING BELOW:

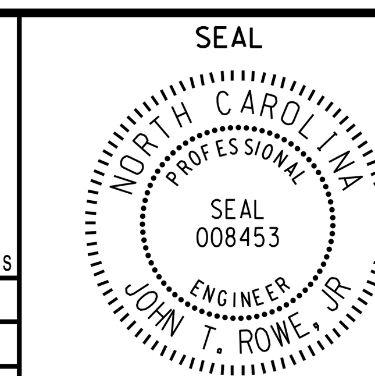


THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-1067
DESIGNED: July 2012
SEALED: 7/16/15
REVISED: 7/16/15

Electrical Detail Sheet 1 of 6

ELECTRICAL AND PROGRAMMING DETAILS FOR:	US 17 at SR 1303 (Hickman Road)
Prepared in the Offices of: Transportation Mobility and Safety Division, Signals Management Section, 750 N.Greenfield Pkwy,Garner,NC 27529	Division 03 · Brunswick County · Carolina Shores
PLAN DATE: July 2012	REVIEWED BY:
PREPARED BY: M.W. HARRISON	REVIEWED BY:

REVISIONS	INIT.	DATE
Install loops, no change to electrical detail. (JP)	JTR	7/20/2015



DocuSigned by: John T. Rowe, Jr. 7/31/12
SIGNATURE DATE

SIG. INVENTORY NO. 03-1067