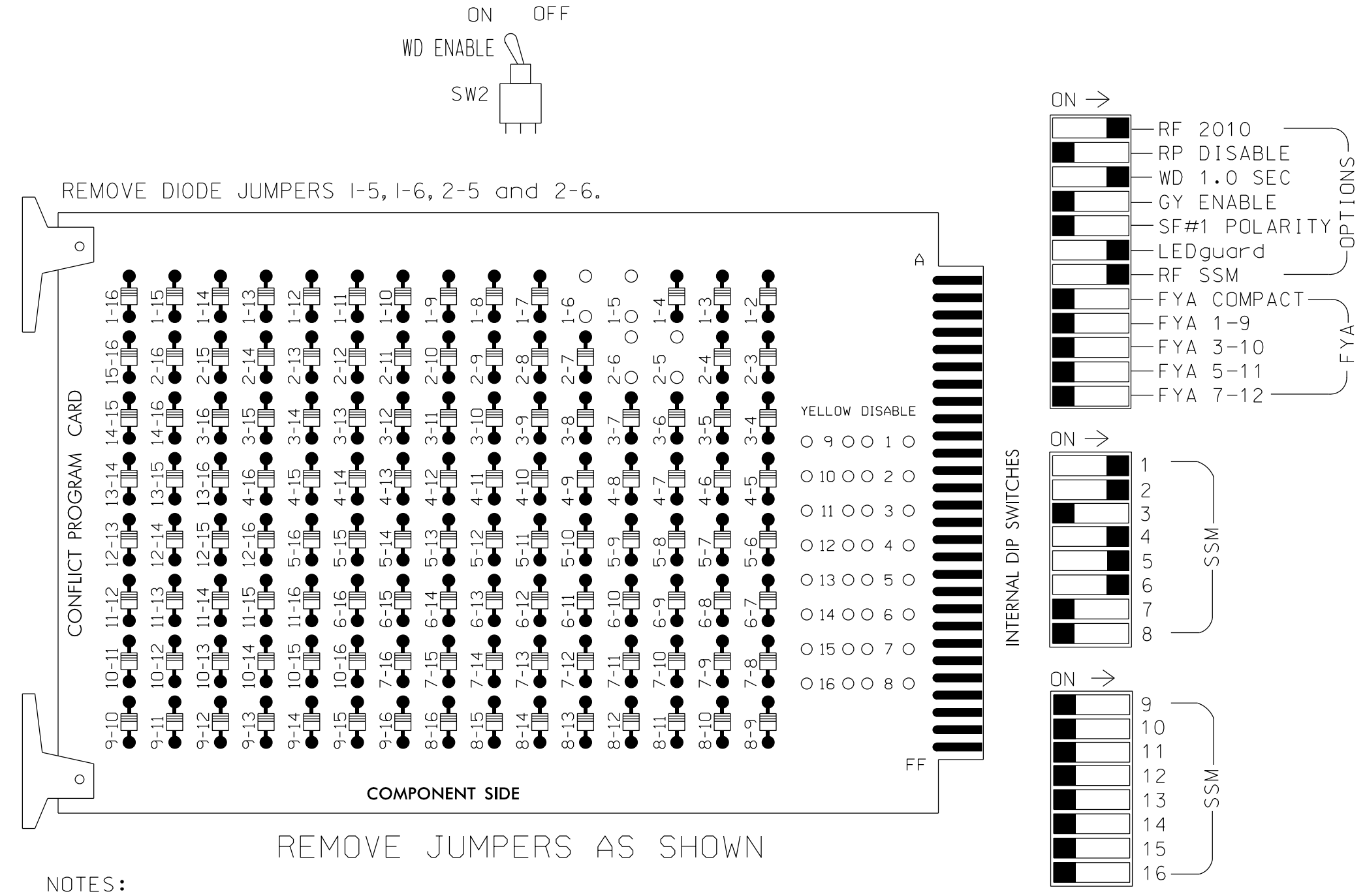


EDI MODEL 2010ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Make sure jumpers SEL2-SEL5 are present on the monitor board.

NOTES

- 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.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 3,7, 8,9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the US 74 (Indian Trail) Closed Loop System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332 w/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S4,S5,S6
 PHASES USED.....1,2,4,5,6,*9
 OVERLAP E.....2+9
 OVERLAP F.....5+9

*Phase used only during Coordination run.

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
PHASE	1	OLE	2 PED	3	4	4 PED	OLF	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	21,22	NU	NU	41,42	62	NU	51	61,62	NU	NU	NU	NU	NU	NU	NU	NU	NU
RED		128			101				134									
YELLOW		129			102				135									
GREEN		130			103				136									
RED ARROW	125							131										
YELLOW ARROW	126				102			132										
GREEN ARROW	127				103			133										

NU = Not Used

OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN '1' (VEHICLE OVERLAP SETTINGS).

PRESS '+' FOUR TIMES

PAGE 1: VEHICLE OVERLAP 'E' SETTINGS
 PHASE: :12345678910111213141516
 VEH OVL PARENTS: X X
 VEH OVL NOT VEH: :
 VEH OVL NOT PED: :
 VEH OVL GRN EXT: :
 STARTUP COLOR: _ RED _ YELLOW _ GREEN
 FLASH COLORS: _ RED _ YELLOW _ GREEN
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
 FLASH YELLOW IN CONTROLLER FLASH?...Y
 GREEN EXTENSION (0-255 SEC).....0
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...5.2
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...1.3
 OUTPUT AS PHASE # (0=NONE, 1-16)....0

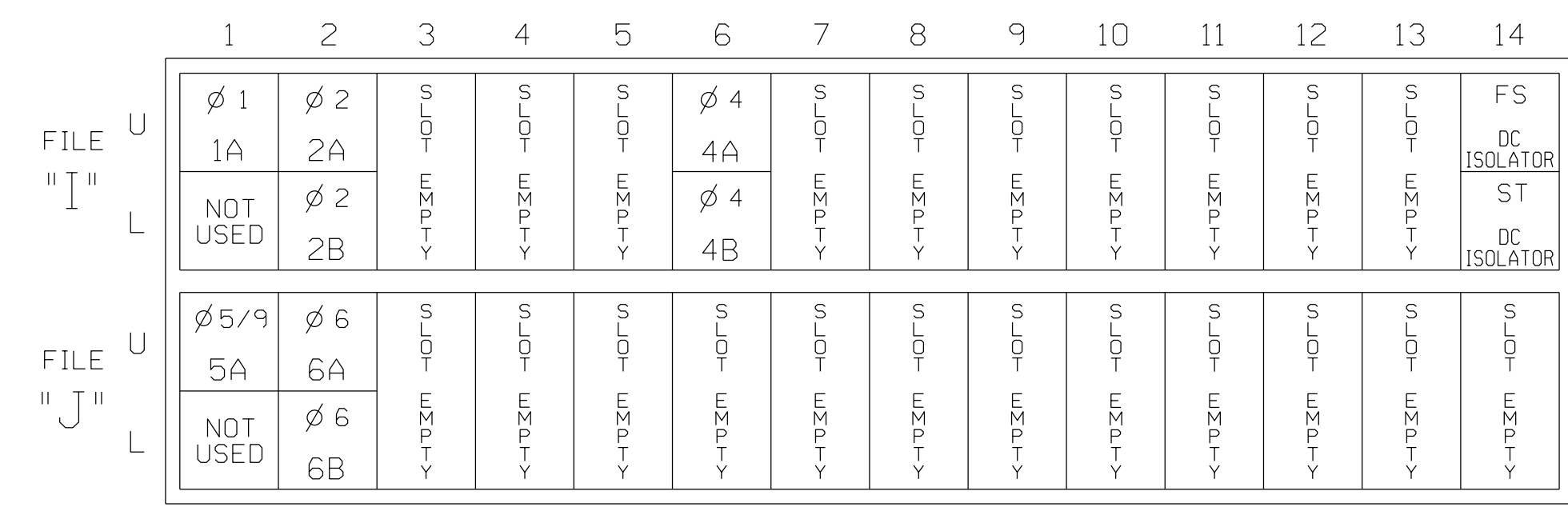
PRESS '+'

PAGE 1: VEHICLE OVERLAP 'F' SETTINGS
 PHASE: :12345678910111213141516
 VEH OVL PARENTS: X X
 VEH OVL NOT VEH: :
 VEH OVL NOT PED: :
 VEH OVL GRN EXT: :
 STARTUP COLOR: _ RED _ YELLOW _ GREEN
 FLASH COLORS: _ RED _ YELLOW _ GREEN
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
 FLASH YELLOW IN CONTROLLER FLASH?...N
 GREEN EXTENSION (0-255 SEC).....0
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...3.0
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...2.6
 OUTPUT AS PHASE # (0=NONE, 1-16)....0

OVERLAP PROGRAMMING COMPLETE

INPUT FILE POSITION LAYOUT

(front view)



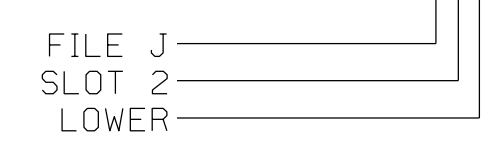
EX.: 1A, 2A, ETC. = LOOP NO.'S

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
1A	TB2-1,2	I1U	56	18	1	1	Y	Y			
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			10
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			15
5A	TB3-1,2	J1U	55	17	5	5/9	Y	Y			
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
6B	TB3-7,8	J2L	44	6	16	6	Y	Y			

INPUT FILE POSITION LEGEND: J2L



PHASE SEQUENCE PROGRAMMING DETAIL

(program controller as shown below)

FROM OASIS LOCAL CONTROLLER MAIN MENU
SELECT: 4 PHASE SEQUENCE

USE RIGHT ARROW KEY TO SCROLL TO BARRIERS 2 AND 3.

PHASE SEQUENCE: PAGE 2	NEXT: PAGES			
RNG: LEAD	BARRIER 1 X-LAG: LEAD	BARRIER 2 X-LAG: LEAD	BARRIER 3 X-LAG: LEAD	BARRIER 4 X-LAG
1	2	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0

NOTES:

- This Phase Sequence is for Phase Sequence page 2 only.
- Position Phase 9 within Barrier 2, and Phase 4 within Barrier 3.
- Phase 9 used during Coordination run only.
- This Phase Sequence uses phase 5 as a leading left turn, and Phase 9 as a lagging left turn.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 10-1505
 DESIGNED: February 2017
 SEALED: 02/07/2017
 REVISED:

Plan of Record - Sheet 1 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:

US 74 at SR 2356 (Chambers Drive)

Division 10 Union County Indian Trail

PLAN DATE: January 2017 REVIEWED BY: L. Moon

PREPARED BY: R. Lawton REVIEWED BY:

REVISIONS INIT. DATE

2/8/2017

SEALED

INDIAN CAROLINA PROFESSIONAL ENGINEER SEAL 022516 LISA M. MOON

SIG. INVENTORY NO. 10-1505

PLANS PREPARED BY:

DRMP

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Prepared for the Offices of:

Union County Mobility and Safety Division

DEPARTMENT OF TRANSPORTATION

Signal Management Section

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