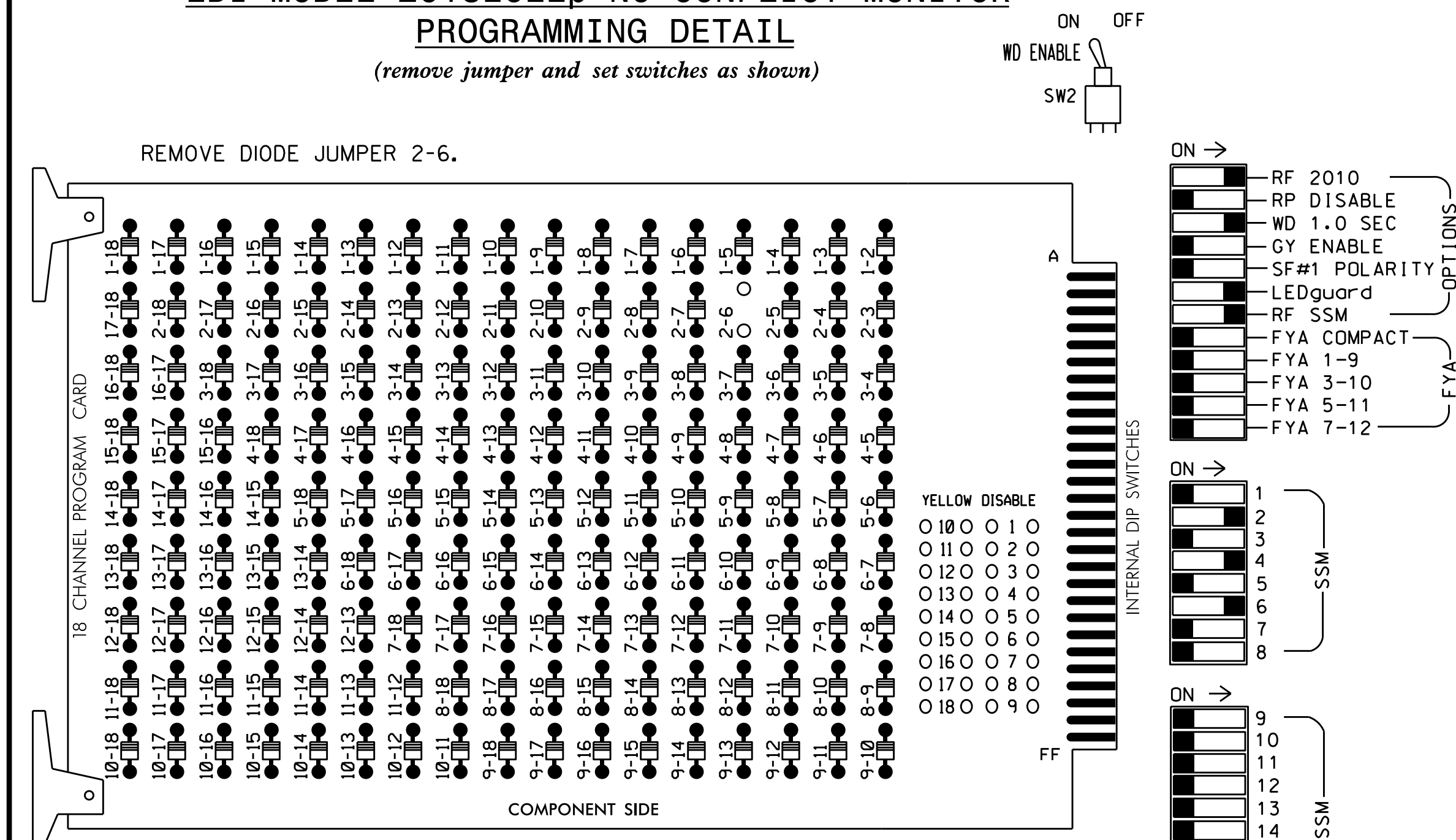


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumper and set switches as shown)



REMOVE JUMPER AS SHOWN

NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Integrate monitor with Ethernet network in cabinet.

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.
2. Enable Simultaneous Gap-Out for all phases.
3. Program phases 2 and 6 for Start Up In Green.
4. Program phases 2 and 6 for Yellow Flash.
5. The cabinet and controller are part of the Asheville Signal System.

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	NU	NU	61,62	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU
RED		128			101			134										
YELLOW		129			102			135										
GREEN		130			103			136										
RED ARROW																		
YELLOW ARROW																		
GREEN ARROW																		

NU = Not Used

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.....S2,S5,S8
 PHASES USED.....2,4,6
 OVERLAPS.....NONE

VEHICLE DETECTOR #4 SETTINGS FOR QUEUE PREEMPT

(program controller as shown below)

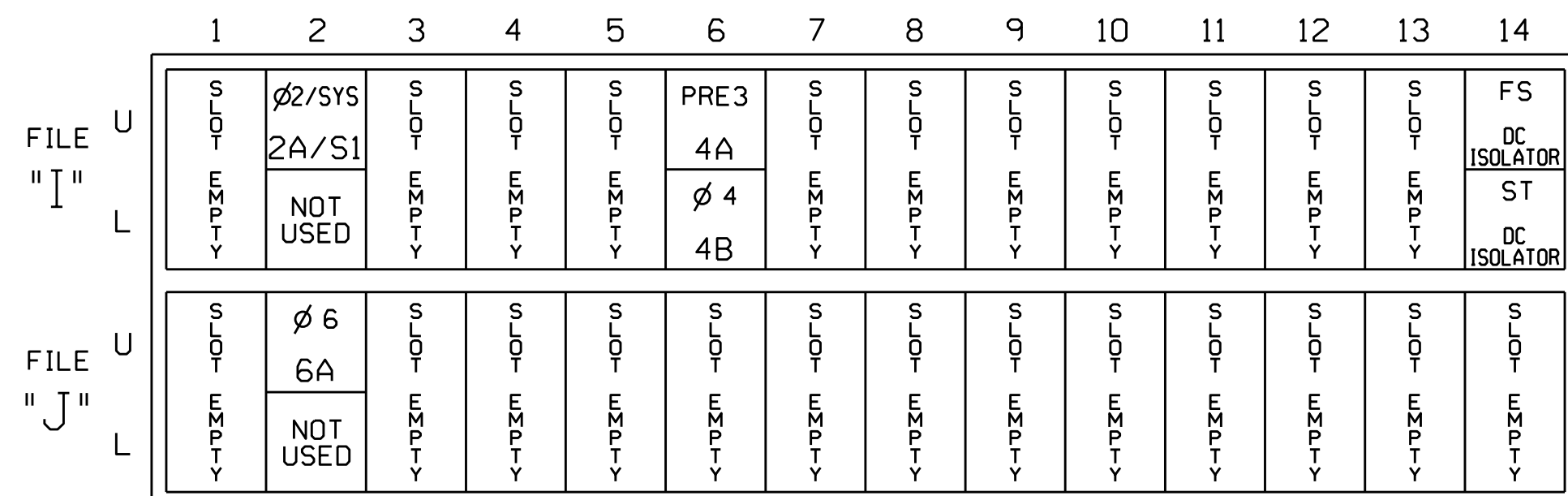
FROM MAIN MENU PRESS '7' (DETECTORS), THEN '1' (VEHICLE DETECTOR ASSIGNMENTS). PRESS '+' UNTIL DETECTOR #4 IS REACHED.

VEHICLE DETECTOR #4 SETTINGS (+,-,1-64)

SETTING: (Y/N)
 ENABLE DETECTOR.....Y
 ENABLE LOGGING.....N
 ENABLE DIAGNOSTICS.....N
 SPEED TRAP.....N
 CALL DETECTOR.....N
 EXTENSION DETECTOR.....N
 MODE 2 STOP BAR.....N
 SWITCHING DETECTOR.....N
 DUPLICATING DETECTOR.....N
 ENABLE FULL TIME DELAY.....N
 IF FAILED, SET MIN RECALL?.....N
 IF FAILED, SET MAX1 RECALL?.....N
 IF FAILED, SET MAX2 RECALL?.....N
 PHASE# :12345678910111213141516
 PHASES ASSIGNED :
 SWITCH/DUPLICATE:
 LOOP SIZE (0-255 FT).....6
 SPEED TRAP DISTANCE (0-255 FT).....0
 STOP BAR TIME (0-255 SEC).....0
 STRETCH (0-25.5 SEC).....0.0
 DELAY (0-255 SEC).....0.0
 MAX CALLS/MIN (0-255).....255
 MIN CALLS/DIAGNOSTIC PERIOD (0-255).....0
 MAX OCCUPANCY (0-100%).....100
 EXTENSION DISABLE TIME (0-255 SEC).....0
 QUEUE MAX OCCUPANCY TIME (0-255).....5
 QUEUE GAP RESET TIME (0-25.5).....0.1
 PREEMPTION INDEX FOR QUEUE (0-10).....3

INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE
 ST = STOP TIME

QUEUE PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS 'A' (PREEMPTION), THEN '1' (STANDARD PREEMPTIONS). PRESS 'NEXT' UNTIL PREEMPTION #3 IS REACHED.

PREEMPTION #3	SETTINGS (NEXT:1-10)
INTERVAL/TIMING	CLEAR/DWELL PHASES
GRN YEL RED	12345678910111213141516
1 255 0.0 0.0	X
2 0 0.0 0.0	
3 0 0.0 0.0	
4 0 0.0 0.0	
5 1 0.0 0.0	X X

EXIT CALLS

OPTIONS

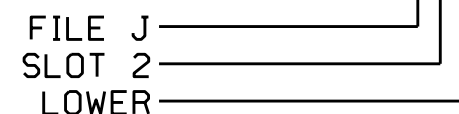
PRIORITY (Y/N TO SELECT)LOW
 DELAY TIMER (0-255 SEC)0.0
 MIN GREEN BEFORE PRE (0= DEFAULT).....7
 PED CLEAR BEFORE PRE (0= DEFAULT).....0
 YELLOW CLEAR BEFORE PRE (0= DEFAULT).....0.0
 RED CLEAR BEFORE PRE (0= DEFAULT).....0.0
 DWELL MIN TIMER (0-255 SEC)30
 DWELL MAX TIMER (0-OFF,1-255MIN)0
 DWELL HOLD-OVER TIMER (0-255)0
 LATCH CALL?N
 LINK TO NEXT PREEMPT?N
 ENABLE BACKUP PROTECTION?N
 HOLD CLEAR 1 PHASES DURING DELAY? ...N
 FAST GREEN FLASH DWELL PHASES?N
 PED CLEARANCE THROUGH YELLOW?N
 INHIBIT OVERLAP GREEN EXTENSION? ...N
 SERVICE DURING SOFTWARE FLASH?N
 REST IN RED DURING DWELL INTERVAL? ..N
 FLASH DWELL INTERVAL?N
 ALLOW PEDS IN DWELL INTERVAL?N
 RE-TIME DWELL INTERVAL?N
 OVERLAPS: ABCDEFGHIJKLMNPO
 DWELL INT FLASH YELLOW
 OMIT OVERLAPS:

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/S1	TB2-5,6	I2U	39	1	2	2/SYS	Y	Y			
4A	TB4-9,10	I6U	41	3	*4	PRE3					
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			

* See Vehicle Detector Programming Detail this sheet.

INPUT FILE POSITION LEGEND: J2L



Electrical Detail

Electrical and Programming Details For: SR 2838 (Porters Cove Rd.) at I-40 Eastbound Ramps

Division 13 Buncombe County Asheville

PLAN DATE: November 2016 REVIEWED BY: BAS

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS INIT. DATE

750 N. Greenfield Pkwy, Garner, NC 27529

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

SEAL 036880

ENGINEER KEITH M. MIMS

DocuSigned by: Keith M. Mims 11/7/2016

SIG. INVENTORY NO. 13-1225