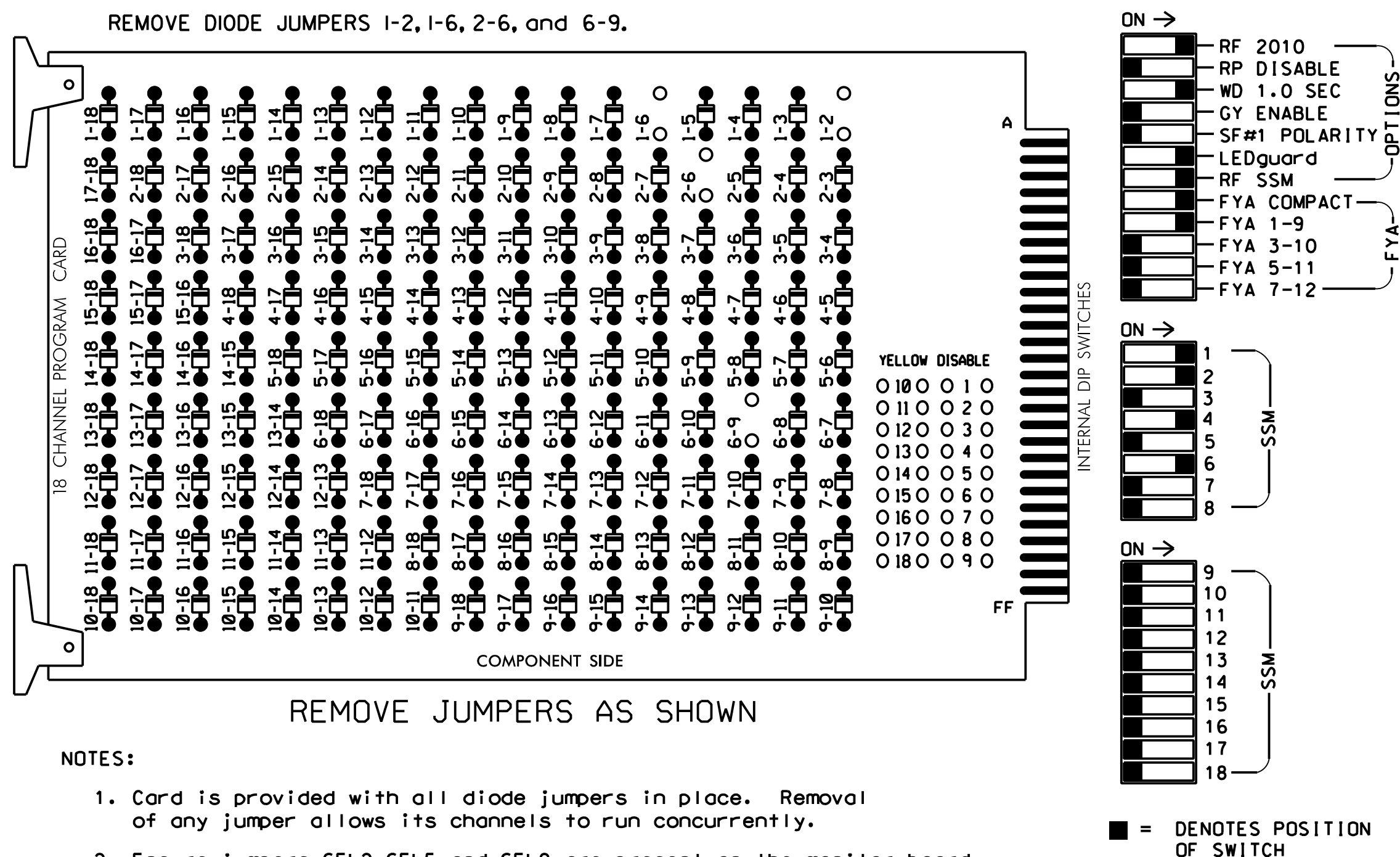


### EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



### 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.
- Enable Simultaneous Gap-Out for all Phases.
- Program phases 2 and 6 for Startup In Green.
- Program phases 2 and 6 for Yellow Flash, and overlap 1 as Wag Overlaps.
- The cabinet and controller are part of the Gilead Road Closed Loop System.

### EQUIPMENT INFORMATION

CONTROLLER.....2070E  
 CABINET.....336  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....POLE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S1,S2,S3,S5,S8  
 PHASES USED.....1,2,4,6  
 OVERLAP "A".....1+2  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....NOT USED  
 OVERLAP "D".....NOT USED

### SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	
CMU CHANNEL NO.	1	2	9	13	3	4	14	5	6	15	7	8	16
PHASE	OLA	2	1 GRN	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	11	21,22	11	NU	NU	41,42	43,44	NU	NU	61,62	NU	NU	NU
RED		128			101	101				134			
YELLOW		129			102					135			
GREEN		130			103					136			
RED ARROW	125												
YELLOW ARROW	126				102								
FLASHING YELLOW ARROW	127												
GREEN ARROW			114		103								
Hand icon				*									

NU = Not Used

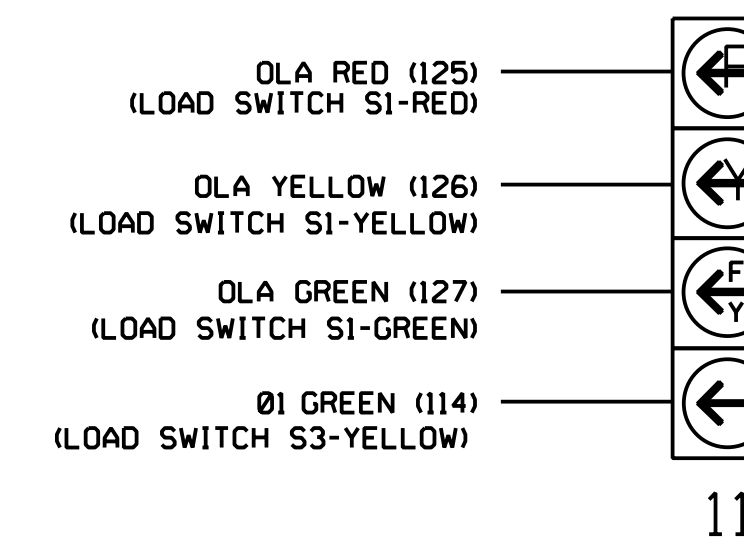
\* Denotes install load resistor. See load resistor installation detail this sheet.

★ See pictorial of head wiring in detail this sheet.

NOTE: Load switches S1 and S3 require output remapping. See Sheet 3 of this electrical detail for instructions.

### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)

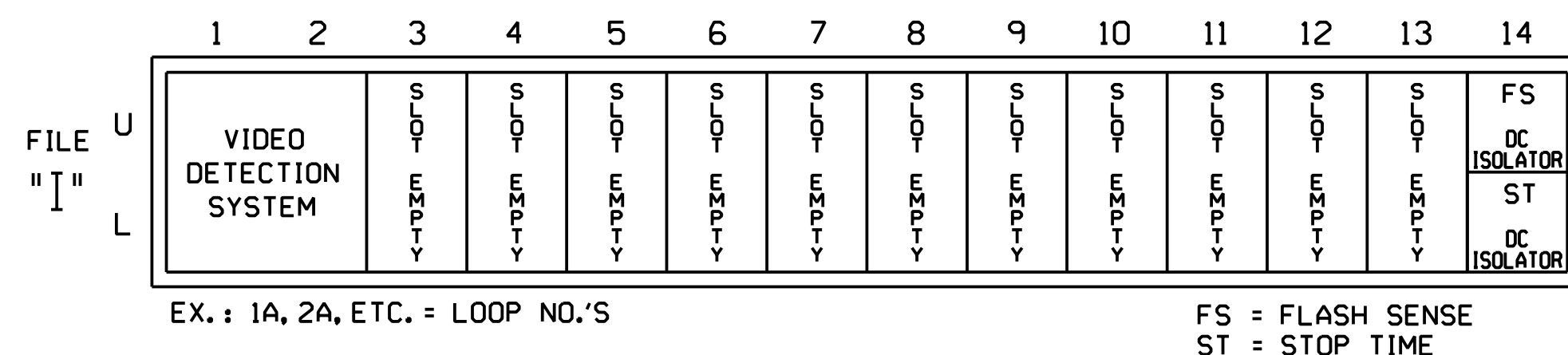


### NOTE

The sequence display for signal head 11 requires special logic and output remapping. See sheets 2-3 for programming instructions.

### INPUT FILE POSITION LAYOUT

(front view)



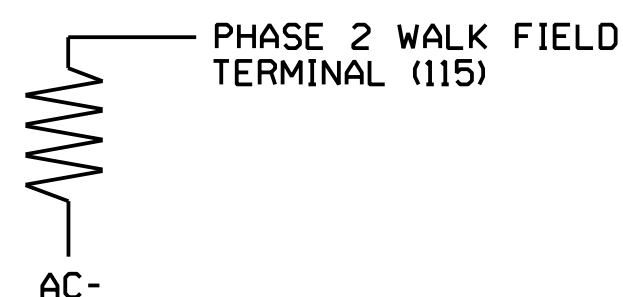
### SPECIAL DETECTOR NOTE

Install a video detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

### LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)

VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



### PED YELLOW CONFLICT MONITOR WIRING DETAIL

(make cabinet wiring changes as shown below)

In order to use FYA COMPACT mode with the 2018ECLIP-NC Monitor, the cabinet must be wired such that the (unused) Ped Yellow load switch outputs are wired to the conflict monitor as follows: From 2 PY (field term, 114) to chan. 9 green (monitor pin 13).

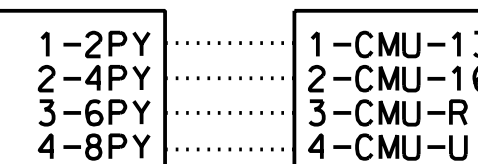
Follow the instructions below to make the appropriate connections:  
 STEP 1: Fold down rear panel of output file.

STEP 2: Find unused wiring harness from conflict monitor card edge connector (which should be tied and bundled together).

STEP 3: Find the conductors that correspond to the following conflict monitor card edge pins and solder wire to the appropriate terminal on the rear of the output file as shown below:

CMU-13 \_\_\_\_\_ 2PY (term. 114)

NOTE: Some cabinet manufacturers use keyed connectors to accomplish this wiring configuration. If connectors are used, fold down the rear panel of the output file and find the set of 3 keyed connectors and connect them as shown below:



Electrical Detail - Sheet 1 of 3  
 Signal Upgrade  
 Temporary Design 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical and Programming Details For: SR 2136 (Gilead Road) at I-77 SB Ramps

Division 10 Mecklenburg Co. Huntersville

PLAN DATE: December 2017 REVIEWED BY: A.D. Klinksiek

PREPARED BY: A.H. Thornburg REVIEWED BY: N.R. Simmons

Revisions table with columns for REVISIONS, INIT., and DATE.

Signature block for N. R. Simmons, dated 4/23/2018.

Signature block for A. H. Thornburg.

Signature block for M. Tasha R. Simmons, dated 4/23/2018.

Inventory No. 10-1106 T2