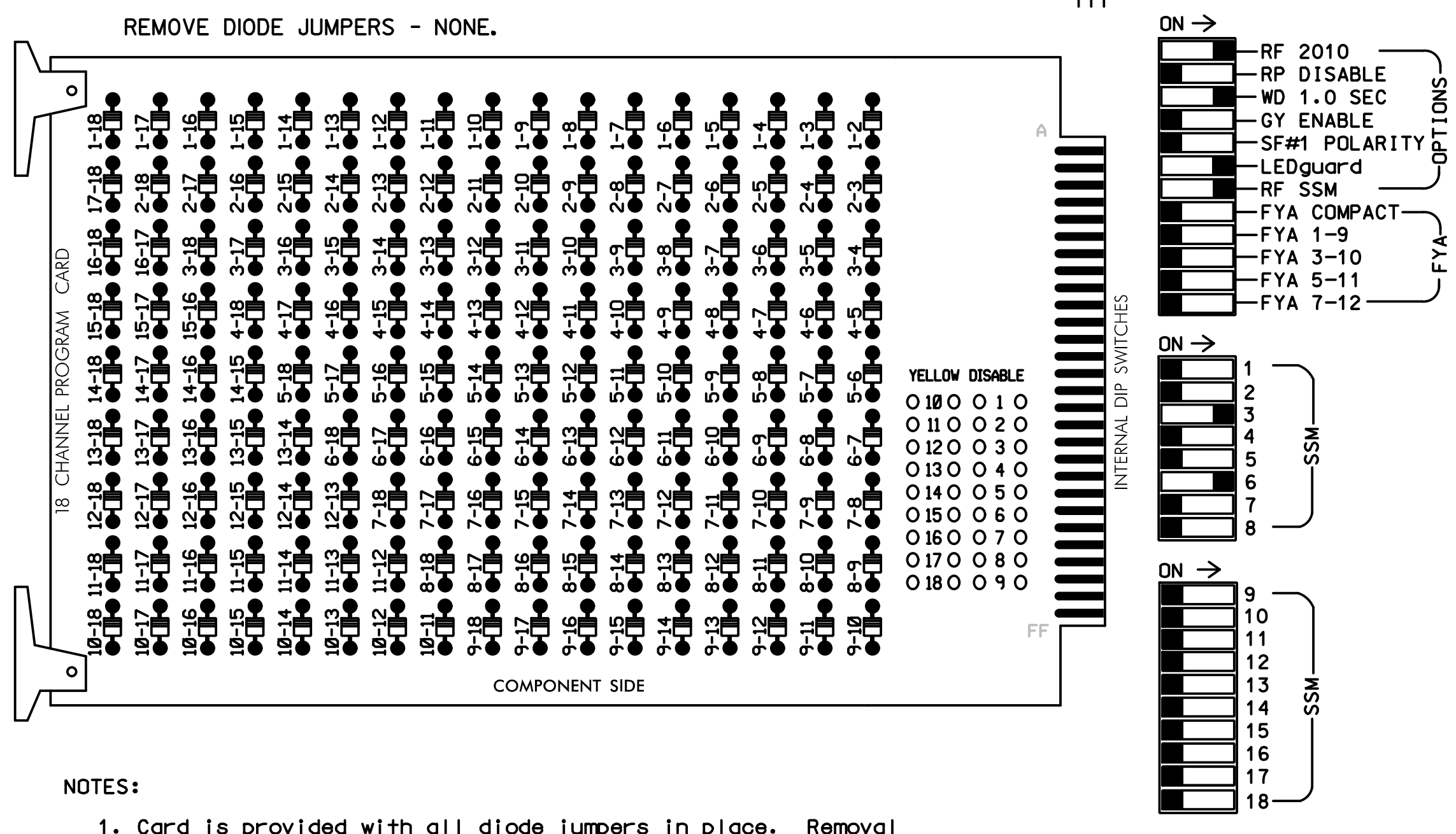


### EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(set switches as shown)



- NOTES:
- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
  - Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
  - Ensure that Red Enable is active at all times during normal operation.
  - Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

### 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 phase 6 for Variable Initial and Gap Reduction.
- Program phase 6 for Start Up In Green.
- Program phase 6 for Yellow Flash.
- The cabinet and controller are part of the Gastonia City Signal System.

### 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	13	3	4	14	5	6	15	7	8	16
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	NU	NU	31	32,33	NU	NU	61,62,63	NU	NU	NU	NU
RED					116			134				
YELLOW								135				
GREEN								136				
RED ARROW				116								
YELLOW ARROW				117	117							
GREEN ARROW				118	118							
Hand icon												
Person icon												

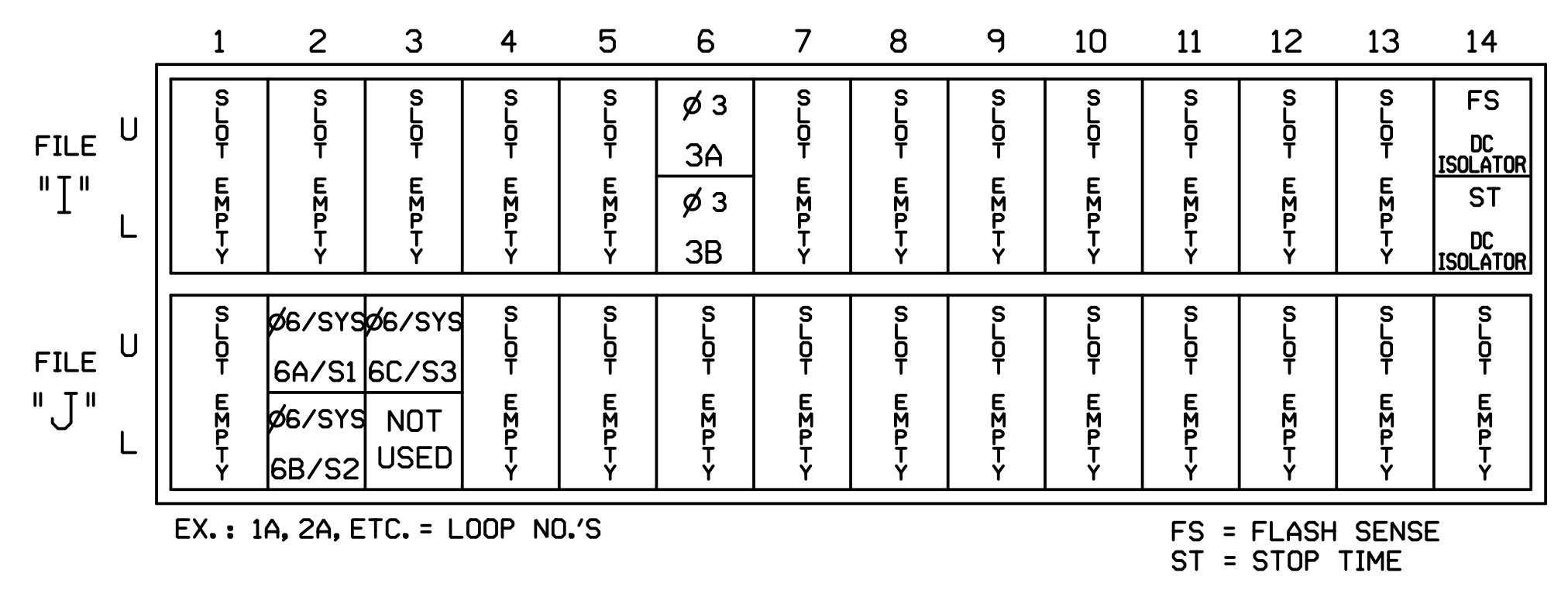
NU = Not Used

### EQUIPMENT INFORMATION

CONTROLLER.....2070  
 CABINET.....332  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S4,S8  
 PHASES USED.....3,6  
 OVERLAPS.....NONE

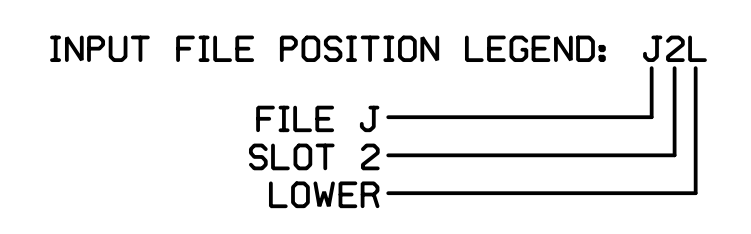
### INPUT FILE POSITION LAYOUT

(front view)



### 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
3A	TB4-9,10	16U	41	3	4	3	Y	Y			
3B	TB4-11,12	16L	45	7	14	3	Y	Y			20
6A/S1	TB3-5,6	J2U	40	2	6	6/SYS	Y	Y			
6B/S2	TB3-7,8	J2L	44	6	16	6/SYS	Y	Y			
6C/S3	TB3-9,10	J3U	64	26	36	6/SYS	Y	Y			



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0921T1  
 DESIGNED: September 2016  
 SEALED: 11-08-2016  
 REVISED:

Temporary Signal  
Phase 1, Step 1

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for:  
 Transportation Mobility and Safety Solutions  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 Signal Management Section

750 N. Greenfield Pkwy, Garner, NC 27529

US 321 (N. Chester Street)  
at  
Rankin Lake Road

Division 12 Gaston Co. Gastonia

PLAN DATE: September 2016 REVIEWED BY: T.R. Terrell  
 PREPARED BY: J.A. Wagner REVIEWED BY: N.R. Simmons

REVISIONS	INIT.	DATE

SEAL

11/8/2016  
 SIGNATURE  
 DATE  
 SIG. INVENTORY NO. 12-0921T1

**HNTB** HNTB NORTH CAROLINA, P.C.  
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