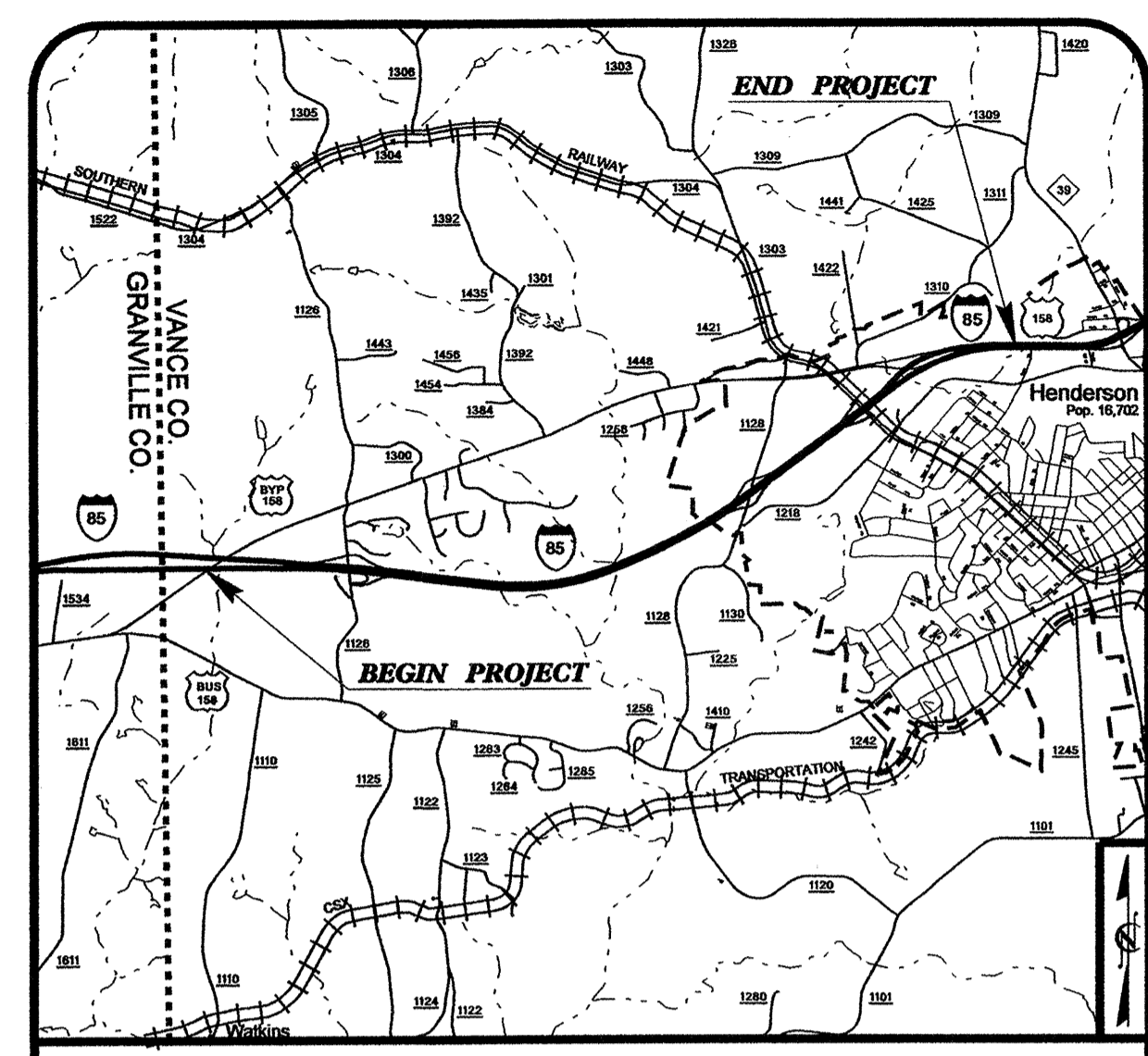


STATE	PROJECT NO.	SHEET NO.
N.C.	I-2810	Sig. 1
P.A. PROJ. NO.		
PROJECT ID. NO.		

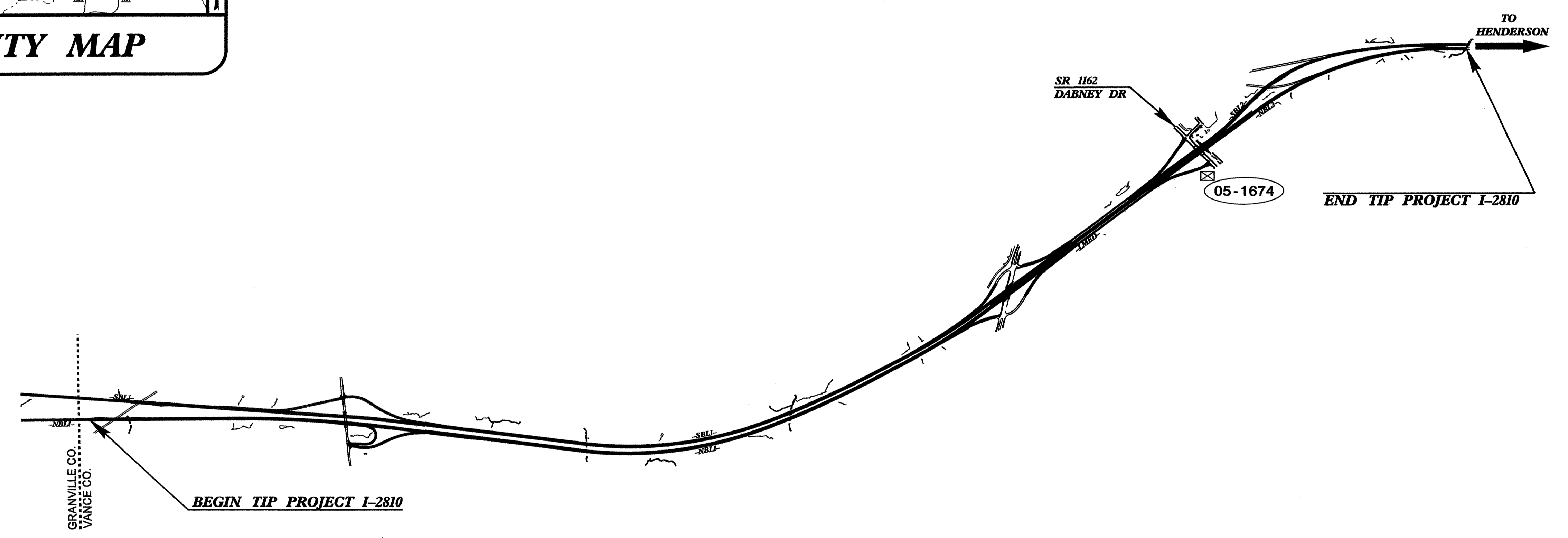
STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
**VANCE COUNTY**



**VICINITY MAP**

**LOCATION: I-85 FROM THE GRANVILLE COUNTY LINE (MP 208.5) TO US 158 (MP 213.5)**

**TYPE OF WORK: TRAFFIC SIGNALS**



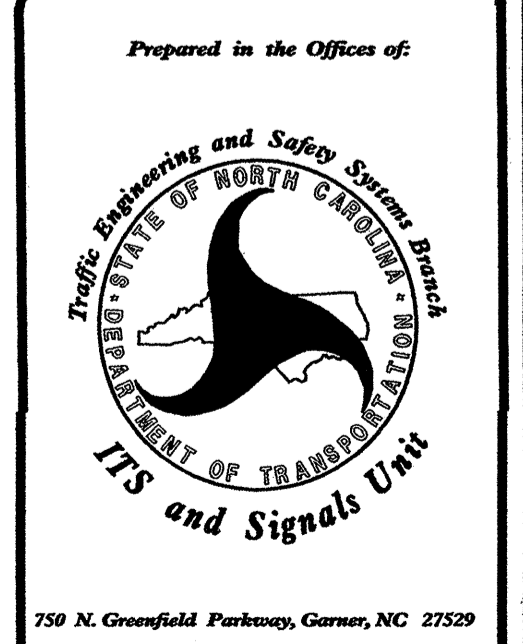
**PROJECT: I-2810**

**INDEX OF PLANS**

SHEET NO.	SIGNAL INVENTORY NO.	LOCATION /DESCRIPTION
SIG. 1	N/A	Title Sheet
SIG. 2-3	05-1674	SR 1162 (Dabney Drive) at I- 85 Northbound Exit Ramp

**LEGEND**  
 (##-####) SIGNAL INVENTORY NUMBER

**NCDOT CONTACTS:**  
 TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH  
 Timothy J. Williams , PE - S&G Contracts & PEF Support Engineer  
 George C. Brown , PE - Signal Equipment Design Engineer

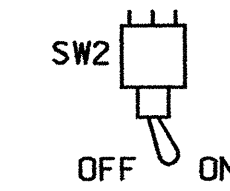




**EDI MODEL 2010ECL CONFLICT MONITOR**

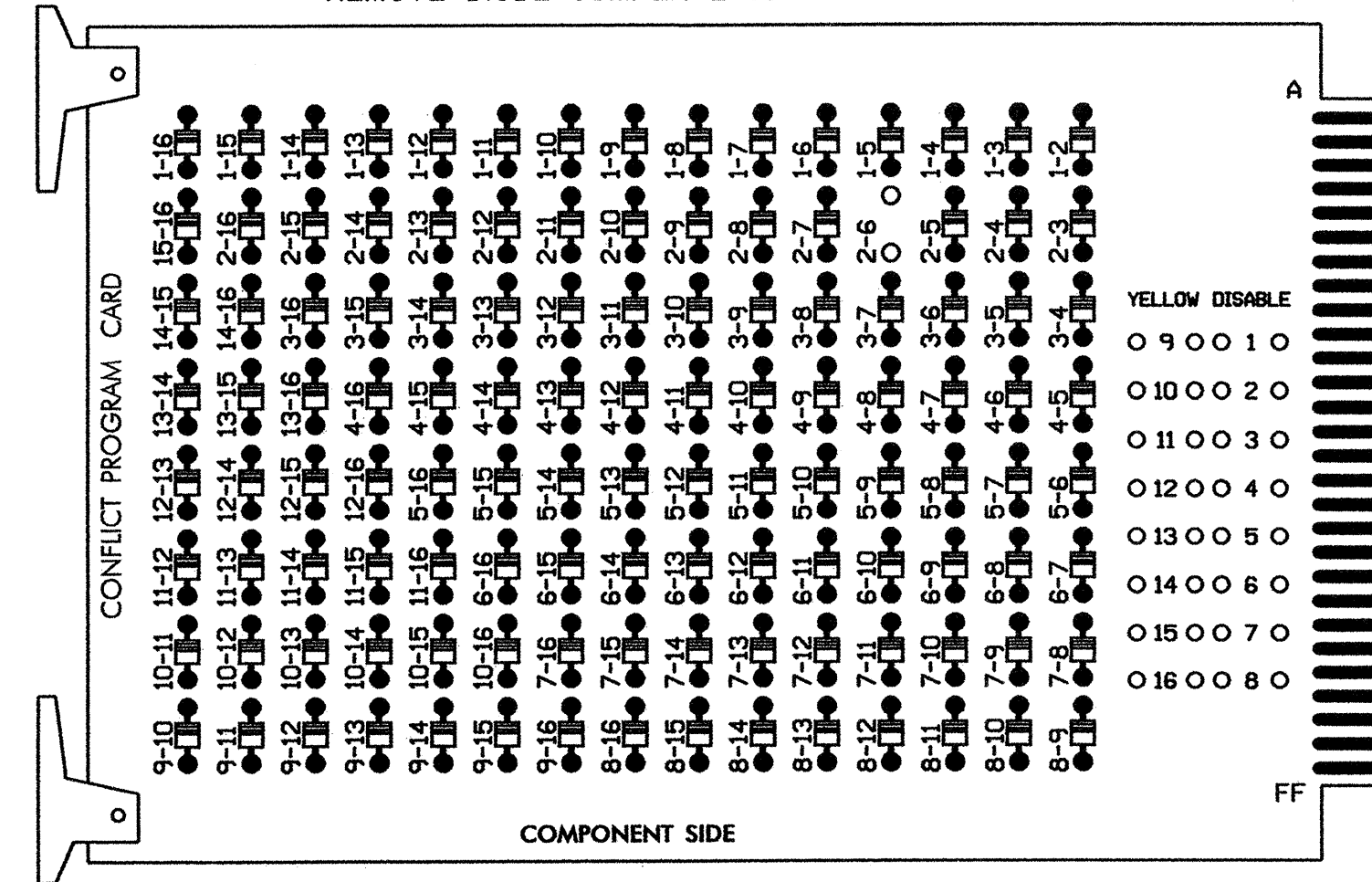
**PROGRAMMING DETAIL**

WD ENABLE



(remove jumper and set switches as shown)

REMOVE DIODE JUMPER 2-6.

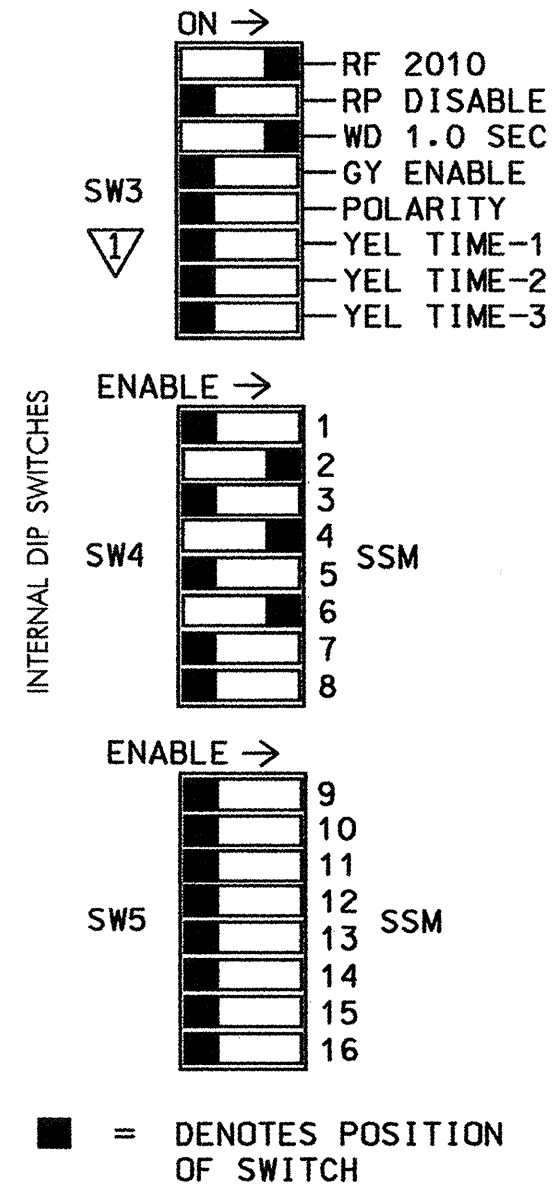


REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Make sure jumpers SEL1-SEL5 are present on the monitor board.

OPTIONS



**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 1,3,5,7, 8,9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program phases 2 and 6, on the controller unit, for Start Up In Green.
- Enable Simultaneous Gap-Out, on the controller unit, for all phases.
- The cabinet and controller are part of the Dabney Drive Closed Loop Signal System.

**EQUIPMENT INFORMATION**

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

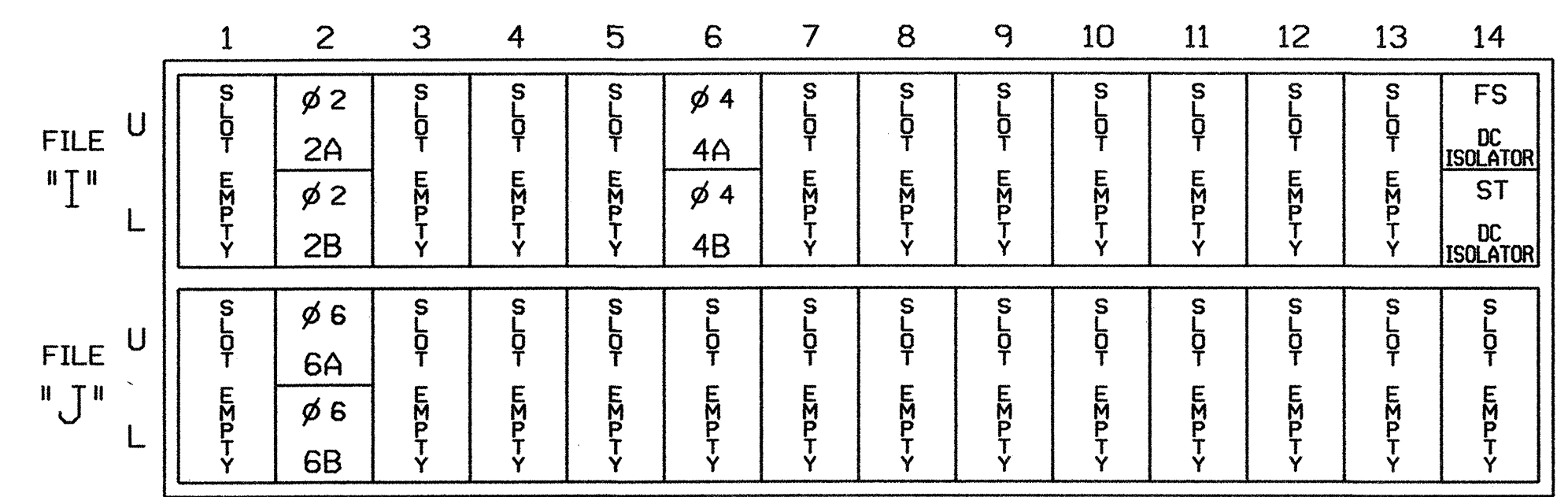
**SIGNAL HEAD HOOK-UP CHART**

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, 42,43	NU	NU	61,62	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

**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
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			
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			20
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



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-1674  
 DESIGNED: May 2007  
 SEALED: 06/13/07  
 REVISED: N/A

Signal Upgrade

Electrical and Programming Details For:

SR 1162 (Dabney Dr) at I-85 Northbound Exit Ramp

Division 5 Vance County Henderson

Prepared in the Offices of: [Logo] Signal Management Services

122 N. McDowell St., Raleigh, NC 27603

PLANNING: May 2007  
 PREPARED BY: C. Strickland  
 REVISIONS: [Table with 3 columns: REVISIONS, INIT., DATE]

REVIEWED BY: [Signature]  
 DATE: 6/14/07

Signature: George C. Brown  
 Date: 6/14/07

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022013 GEORGE C. BROWN

SIG. INVENTORY NO. 05-1674

I-2810-2007-1333  
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