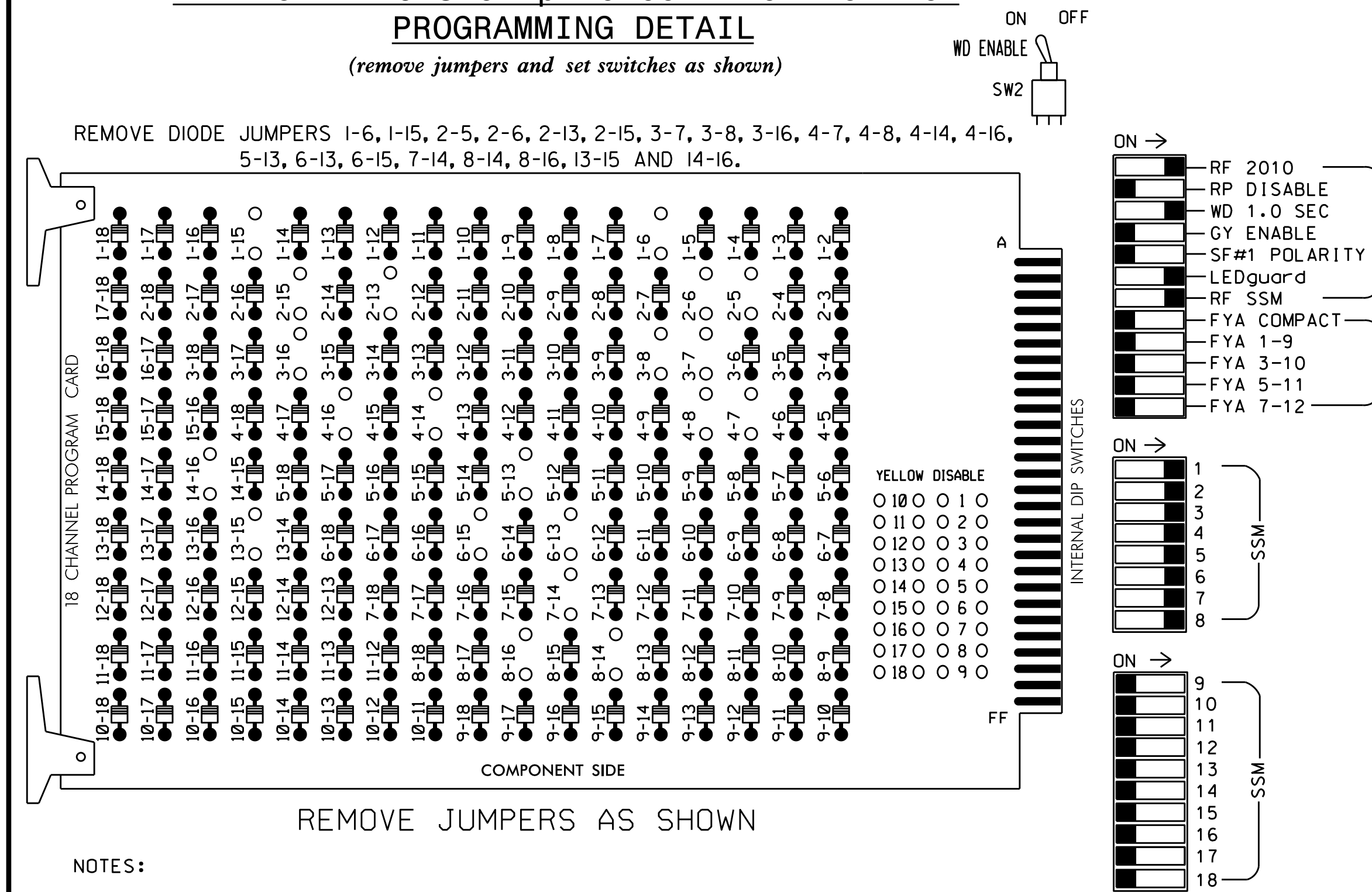


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR
PROGRAMMING DETAIL

(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.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.

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 Start Up In Green.
- Program phases 2, 4, 6 and 8 for 'STARTUP PED CALL'.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the Asheville Signal 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,S3,S4,S5,S6,S7,S8,
 S9,S10,S11,S12
 PHASES USED.....1,2,3,4,5,6,7,8,2 PED,
 4 PED,6 PED,8 PED
 OVERLAPS.....NONE

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

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.	11	82	21,22	P21, P22	22	31	41,42	P41, P42	51,52	61,62	P61, P62	62	71	81,82	P81, P82	NU	NU	NU	NU
RED		128			101			134			107								
YELLOW		129			102			135			108								
GREEN		130			103			136			109								
RED ARROW	125				116			131			122								
YELLOW ARROW	126	126			117	117		132			123	123							
GREEN ARROW	127	127			118	118		133			124	124							
Hand icon					113			104			119								110
Walking person icon					115			106			121								112

NU = Not Used

EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

From Main Menu press 'A' (Preemption), then '1' (Standard Preemptions). Press 'NEXT' as needed to advance to Preempt 3.

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

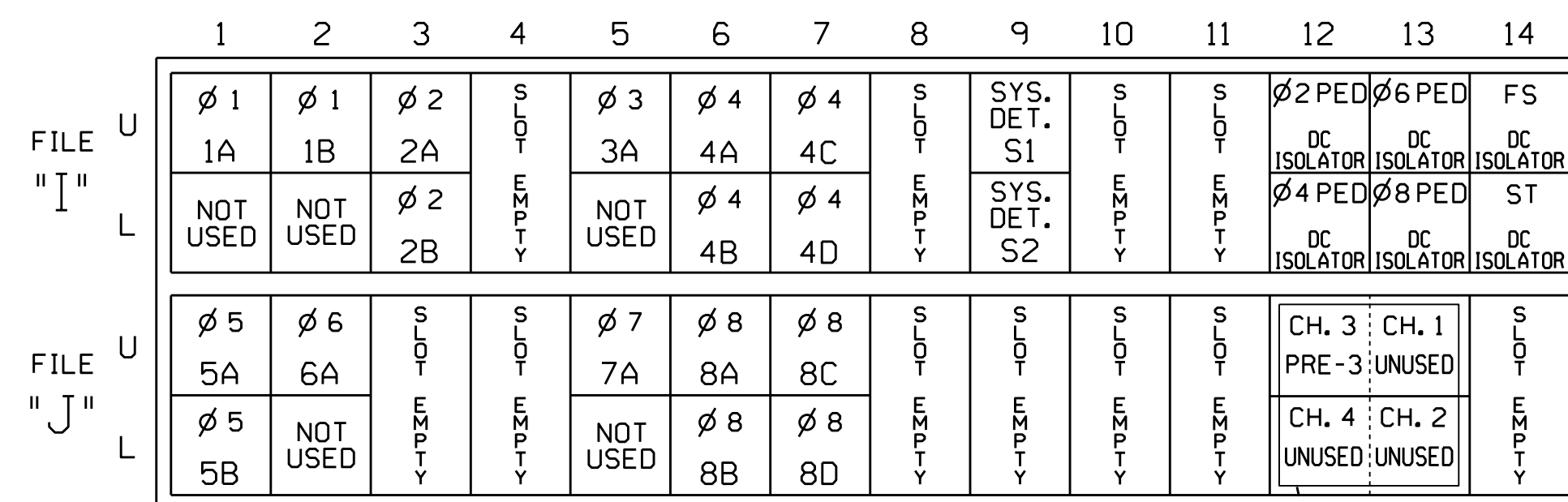
OPTIONS

PRIORITY (Y/N TO SELECT)MED
 DELAY TIMER (0-255 SEC)0
 MIN GREEN BEFORE PRE (0= DEFAULT)....1
 PED CLEAR BEFORE PRE (0= DEFAULT)....7
 YELLOW CLEAR BEFORE PRE (0= DEFAULT)....0
 RED CLEAR BEFORE PRE (0= DEFAULT)....0
 DWELL MIN TIMER (0-255 SEC)10
 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?Y
 PED CLEARANCE THROUGH YELLOW?Y
 INHIBIT OVERLAP GREEN EXTENSION? ...N
 SERVICE DURING SOFTWARE FLASH?N
 REST IN RED DURING DWELL INTERVAL? ..N
 FLASH DWELL INTERVAL?N
 ALLOW PDS IN DWELL INTERVAL?N
 RE-TIME DWELL INTERVAL?N
 OVERLAPS: ABCDEFGHIJKLMNP
 DWELL INT FLASH YELLOW
 OMIT OVERLAPS:

PROGRAMMING COMPLETE

INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE
 ST = STOP TIME
 PRE = PREEMPT

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	11U	56	18	1	1	Y	Y			3
1B	TB2-5,6	12U	39	1	2	1	Y	Y			15
2A	TB2-9,10	13U	63	25	32	2	Y	Y			
2B	TB2-11,12	13L	76	38	42	2	Y	Y			
3A	TB4-5,6	15U	58	20	3	3	Y	Y			3
4A	TB4-9,10	16U	41	3	4	4		Y		2,4	
4B	TB4-11,12	16L	45	7	14	4		Y		2,4	
4C	TB6-1,2	17U	65	27	34	4	Y	Y			
4D	TB6-3,4	17L	78	40	44	4	Y	Y			
* S1	TB6-9,10	19U	60	22	11	SYS					
* S2	TB6-11,12	19L	62	24	13	SYS					
5A	TB3-1,2	11U	55	17	5	5	Y	Y			
5B	TB3-3,4	11L	55	17	5	5	Y	Y			
6A	TB3-5,6	12U	40	2	6	6	Y	Y			
7A	TB5-5,6	15U	57	19	7	7	Y	Y			3
8A	TB5-9,10	16U	42	4	8	8	-	Y		2,4	
8B	TB5-11,12	16L	46	8	18	8	-	Y		2,4	
8C	TB7-1,2	17U	66	28	38	8	Y	Y			
8D	TB7-3,4	17L	79	41	48	8	Y	Y			
PED PUSH BUTTONS											
P21,P22	TB8-4,6	112U	67	29	PED 2	2 PED					
P41,P42	TB8-5,6	112L	69	31	PED 4	4 PED					
P61,P62	TB8-7,9	113U	68	30	PED 6	6 PED					
P81,P82	TB8-8,9	113L	70	32	PED 8	8 PED					

NOTE:
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

* System detector only. Remove the vehicle phase assigned to this detector in the default programming.

PHASE SEQUENCE PROGRAMMING DETAIL

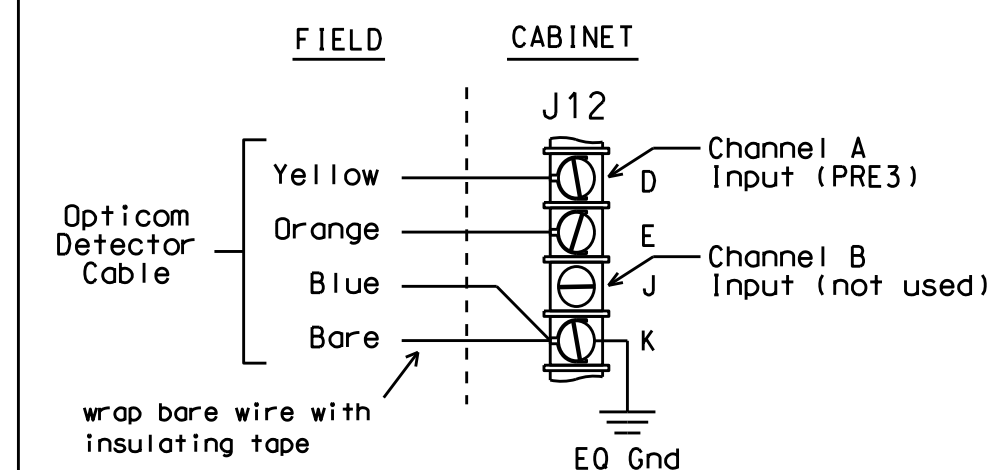
(program controller as shown below)

FROM OASIS LOCAL CONTROLLER MAIN MENU
 SELECT: 4 PHASE SEQUENCE

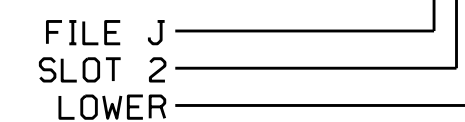
PHASE SEQUENCE	PAGE 1	NEXT: PAGES
RNG:LEAD	BARRIER 1	X-LAG:LEAD
BARRIER 2	X-LAG	
1	0	1
2	0	3
3	0	7
4	0	0

TYPICAL OPTICOM FIELD WIRE DETAIL

(input file, rear view)



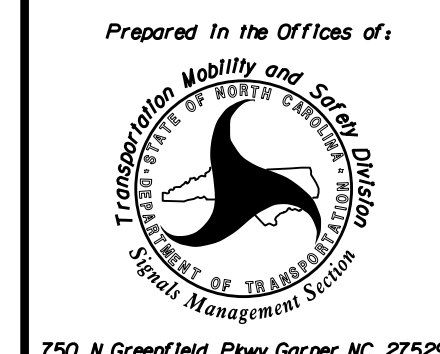
INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0401
 DESIGNED: June 2016
 SEALED: 8-12-16
 REVISED: N/A

Electrical Detail

ELECTRICAL AND PROGRAMMING DETAILS FOR:



US 70-74A (College St.)
 at
 SR 3284 (S. Charlotte St.)/
 US 70-74A (Charlotte St.)

Division 18 Buncombe County Asheville
 PLAN DATE: July 2016 REVIEWED BY: DTJ
 PREPARED BY: James Peterson REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
 Keith M. Mims
 PROFESSIONAL ENGINEER
 036880
 9/16/2016
 DATE
 SIG. INVENTORY NO. 13-0401