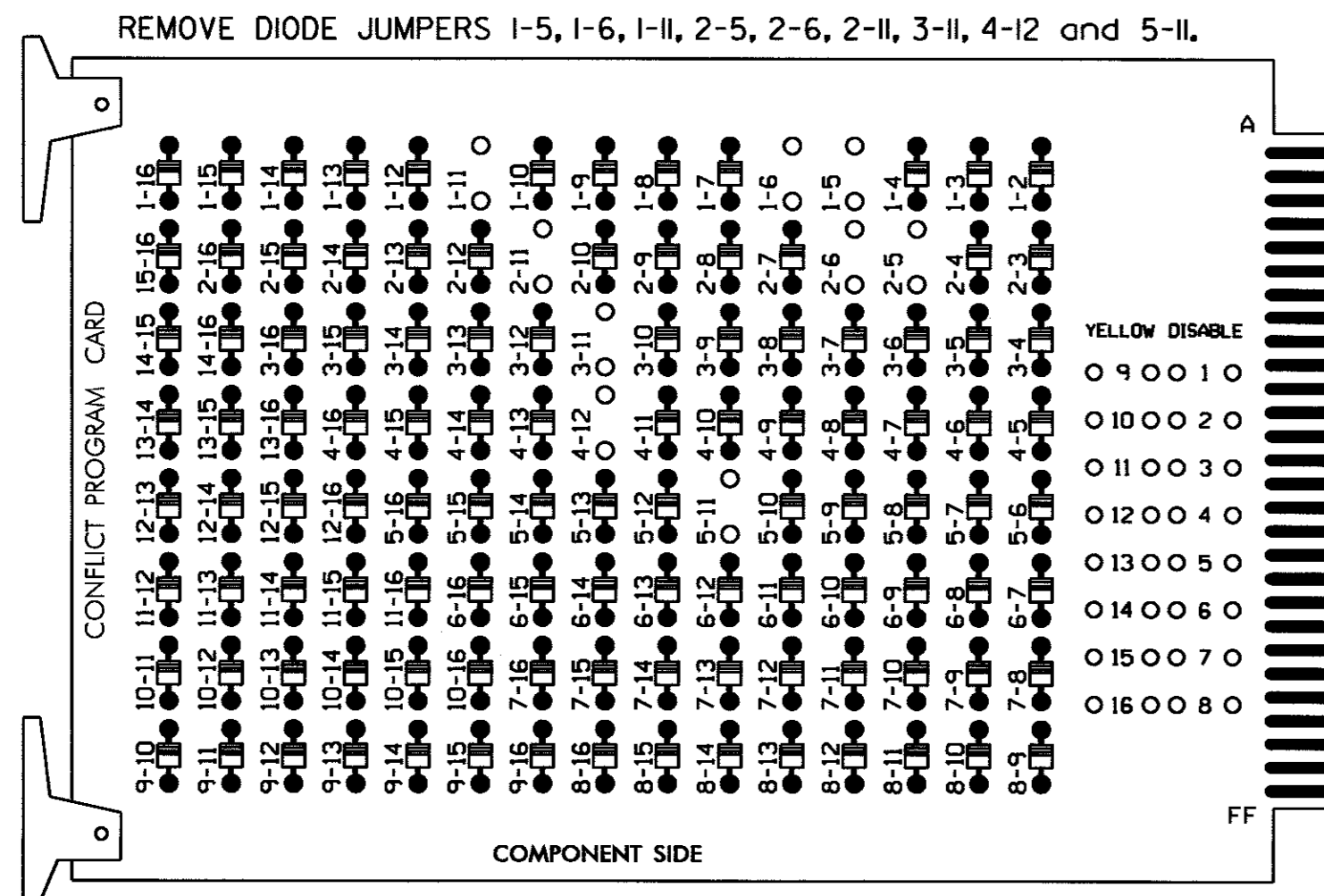
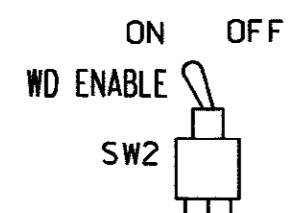


EDI MODEL 2010ECL-NC CONFLICT MONITOR
PROGRAMMING DETAIL

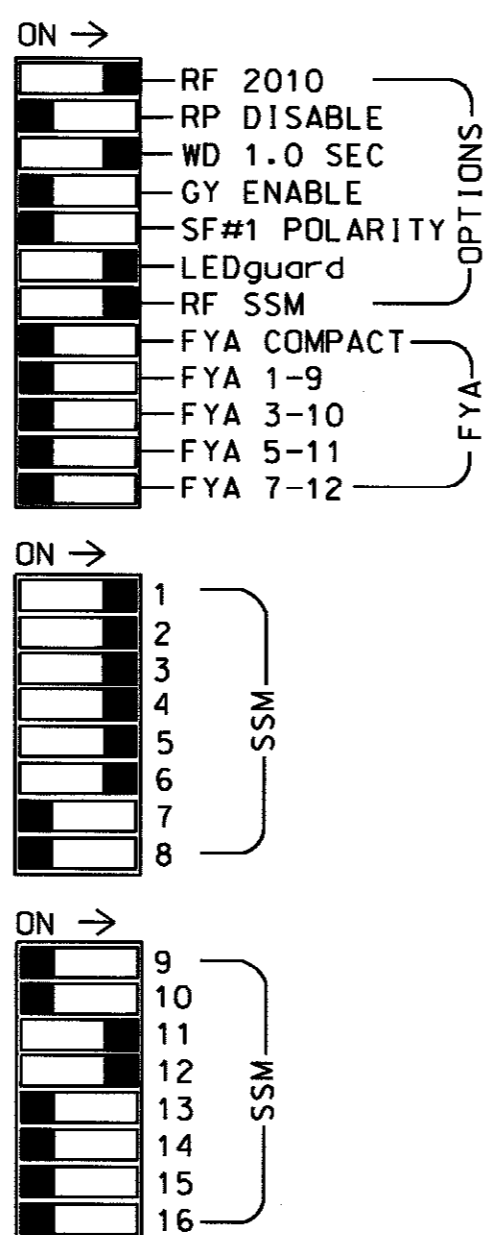
(remove jumpers and set switches as shown)



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 SEL2-SEL5 are present on the monitor board.



■ = DENOTES POSITION OF SWITCH

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 7, 8, 9, 10, 13, 14, 15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the Rocky Mount City System.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
 CABINET.....332 W/ AUX OUTPUT FILE
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 (12-STD, 6-AUX)
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S12,S13
 PHASES USED.....1,2,3,4,5,6
 OVERLAP A:.....NOT USED
 OVERLAP B:.....NOT USED
 OVERLAP C:.....3+5
 OVERLAP D:.....4

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
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	21,22	NU	31	32	62	41	42	NU	51	61,62	NU	NU	NU	NU	33	22	NU
RED		128		116	116		101	101			134						A114	*
YELLOW		129		117	117		102	102			135							
GREEN		130		118	118		103	103			136							
RED ARROW	125									131								
YELLOW ARROW	126					117				132							A115	A102
GREEN ARROW	127			118		118	103			133							A116	A103

NU = Not Used * Denotes install load resistor. See load resistor installation detail this sheet.

OVERLAP PROGRAMMING DETAIL

(program controller as shown below)
 FROM MAIN MENU PRESS '8' (OVERLAPS), THEN '1' (VEHICLE OVERLAP SETTINGS).
 PRESS '+' TWO TIMES

PAGE 1: VEHICLE OVERLAP 'C' SETTINGS
 PHASE: :12345678910111213141516
 VEH OVL PARENTS: : X X
 VEH OVL NOT VEH: :
 VEH OVL NOT PED: :
 VEH OVL GRN EXT: :
 STARTUP COLOR: - RED - YELLOW - GREEN
 FLASH COLORS: - RED - YELLOW - GREEN
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
 FLASH YELLOW IN CONTROLLER FLASH?...N
 GREEN EXTENSION (0-255 SEC)...0
 YELLOW CLEAR (0=PARENT, 3-25.5 SEC)...0.0
 RED CLEAR (0=PARENT, 0.1-25.5 SEC)...0.0
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

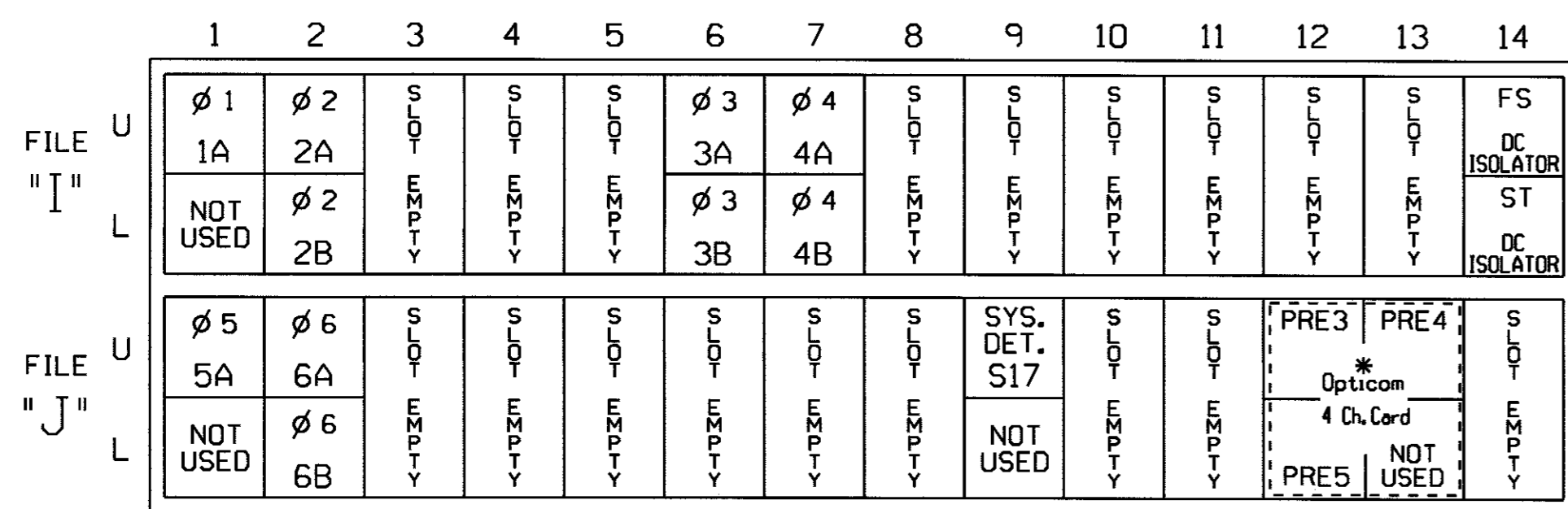
PRESS '+'

PAGE 1: VEHICLE OVERLAP 'D' SETTINGS
 PHASE: :12345678910111213141516
 VEH OVL PARENTS: : X
 VEH OVL NOT VEH: :
 VEH OVL NOT PED: :
 VEH OVL GRN EXT: :
 STARTUP COLOR: - RED - YELLOW - GREEN
 FLASH COLORS: - RED - YELLOW - GREEN
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
 FLASH YELLOW IN CONTROLLER FLASH?...N
 GREEN EXTENSION (0-255 SEC)...0
 YELLOW CLEAR (0=PARENT, 3-25.5 SEC)...0.0
 RED CLEAR (0=PARENT, 0.1-25.5 SEC)...0.0
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

OVERLAP PROGRAMMING COMPLETE

INPUT FILE POSITION LAYOUT

(front view)



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

* See Opticom Field Wire Detail below.

FS = FLASH SENSE

ST = STOP TIME

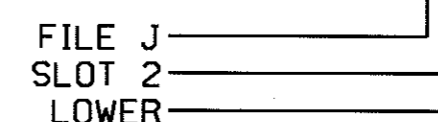
PRE3,4,5 = EV PREEMPTS

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	I1U	56	18	1	1	Y	Y			
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
3A	TB4-9,10	I6U	41	3	4	3	Y	Y			
3B	TB4-11,12	I6L	45	7	14	3	Y	Y			
4A	TB6-1,2	I7U	65	27	34	4	Y	Y			3
4B	TB6-3,4	I7L	78	40	44	4	Y	Y			10
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
6B	TB3-7,8	J2L	44	6	16	6	Y	Y			
* S17	TB7-9,10	J9U	59	21	15	SYS					

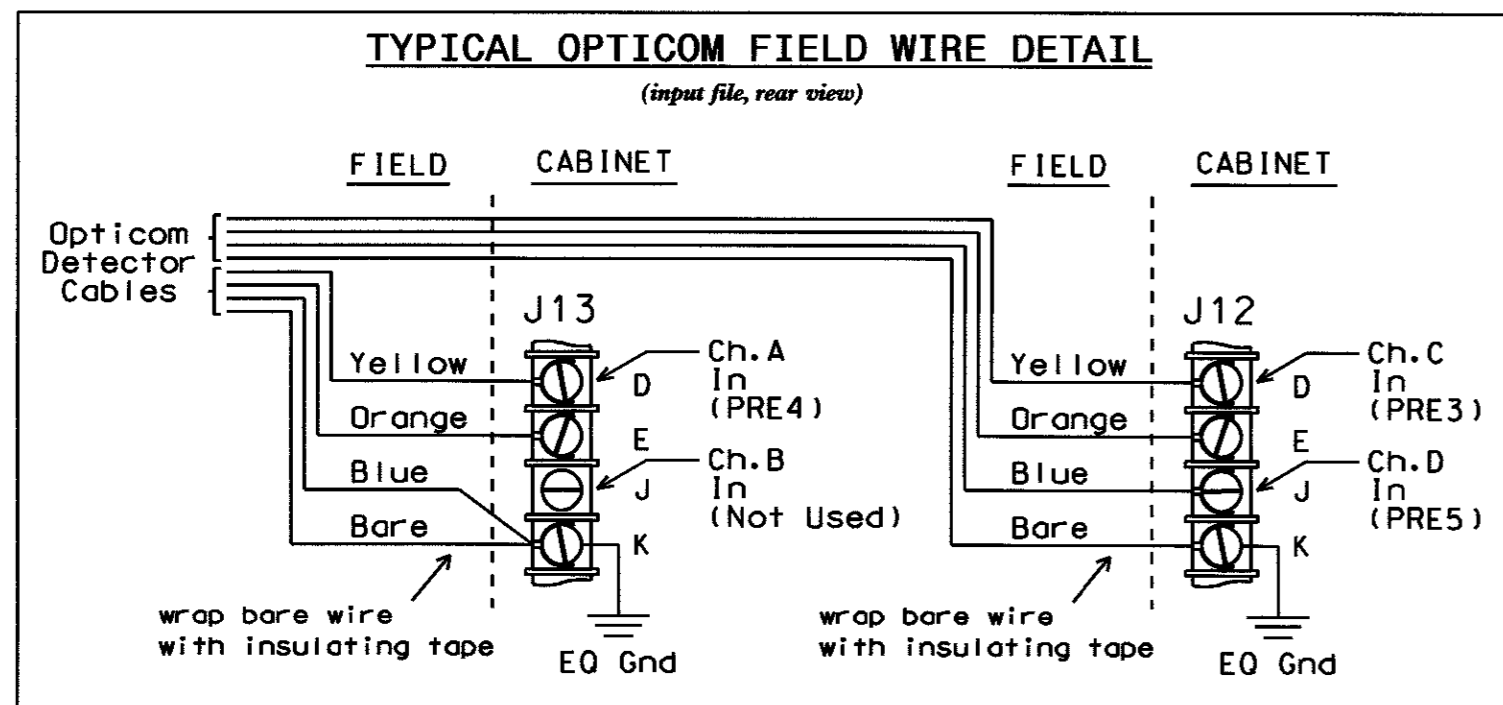
* SYSTEM DETECTOR ONLY. REMOVE THE VEHICLE PHASE ASSIGNED TO THIS DETECTOR IN THE DEFAULT PROGRAMMING.

INPUT FILE POSITION LEGEND: J2L



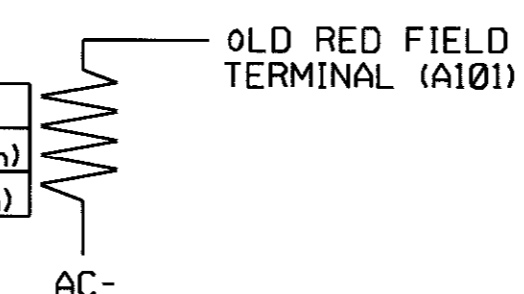
TYPICAL OPTICOM FIELD WIRE DETAIL

(input file, rear view)

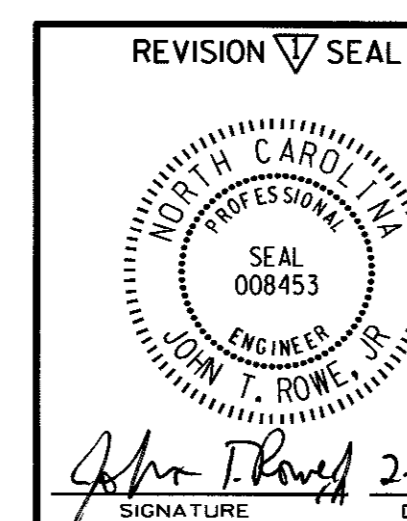


LOAD RESISTOR INSTALLATION DETAIL

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



Signal Upgrade - Sheet 1 of 2



REVISION SEAL
 ELECTRICAL AND PROGRAMMING DETAILS FOR:
 Prepared In the Office of:
 T. J. ROWE
 ENGINEER
 JOHN T. ROWE, JR.
 750 N. Greenfield Pkwy, Garner, NC 27529

US 301 Byp (N Wesleyan Blvd) at US 64 Bypass Westbound Ramp
 Division 4 Nash County Rocky Mount
 PLAN DATE: March 2011 REVIEWED BY: T. Joyce
 PREPARED BY: S. Armstrong REVIEWED BY:
 REVISIONS
 Added a right turn on main street north (RP) JTK 1-21-14

SEAL
 Not a certified document as to the original document but only as to the revisions - This document originally issued and sealed by George C. Brown, PE #022013, on 4-12-11. This document is only certified as to the revisions.
 SIGNATURE DATE
 SIG. INVENTORY NO. 04-0617

EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL FOR EVP 3

(program controller as shown below)

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

PREEMPTION #3	SETTINGS (NEXT:1-10)
INTERVAL/TIMING	CLEAR/DWELL PHASES
GRN YEL RED	12345678910111213141516
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 0 0.0 0.0	
EXIT CALLS	
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)	...0
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?	...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:	ABCDEFGHIJKLMN
DWELL INT FLASH YELLOW	
OMIT OVERLAPS:	

EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL FOR EVP 4

(program controller as shown below)

From Main Menu press 'A' (Preemption), then '1' (Standard Preemptions). Press 'NEXT' to advance to Preemption #4.

PREEMPTION #4	SETTINGS (NEXT:1-10)
INTERVAL/TIMING	CLEAR/DWELL PHASES
GRN YEL RED	12345678910111213141516
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 0 0.0 0.0	
EXIT CALLS	
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)	...0
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?	...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:	ABCDEFGHIJKLMN
DWELL INT FLASH YELLOW	
OMIT OVERLAPS:	X

EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL FOR EVP 5

(program controller as shown below)

From Main Menu press 'A' (Preemption), then '1' (Standard Preemptions). Press 'NEXT' to advance to Preemption #5.

PREEMPTION #5	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 0 0.0 0.0	
EXIT CALLS	
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)	...0
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?	...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:	ABCDEFGHIJKLMN
DWELL INT FLASH YELLOW	
OMIT OVERLAPS:	X

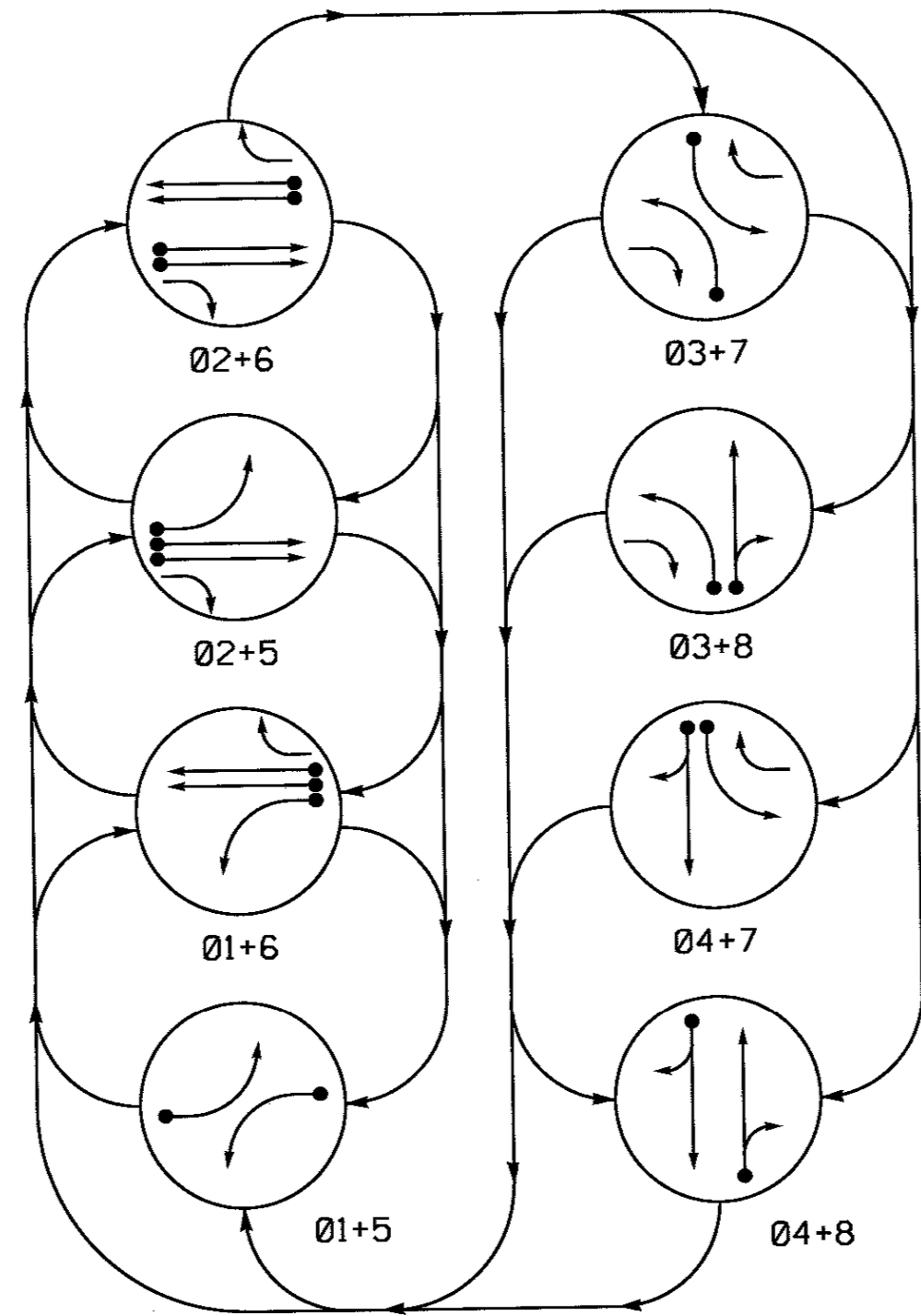
Program extend time on optical detector units for 5.0 sec for EVP3, EVP4, and EVP5.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0617
 DESIGNED: January 2014
 SEALED: 2-20-14
 REVISED: N/A

Signal Upgrade - Sheet 2 of 2

		US 301 Byp (N Wesleyan Blvd) at US 64 Bypass Westbound Ramp		SEAL Not a certified document as to the Original Document but only as to the Revisions - This document originally issued and sealed by George C. Brown, PE #022013, on 4-12-11. This document is only certified as to the revisions.
		Division 4 Nash County Rocky Mount	PLAN DATE: March 2011 REVIEWED BY: T. Joyce		PREPARED BY: S. Armstrong REVIEWED BY:
SIGNATURE: <i>John T. Rowe</i> DATE: 2-21-14	750 N. Greenfield Pkwy, Garner, NC 27529	REVISIONS:	INIT. DATE	SIGNATURE DATE
		Added a right turn on main street north (LP)	JTR 2-21-14	SIG. INVENTORY NO. 04-0617

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

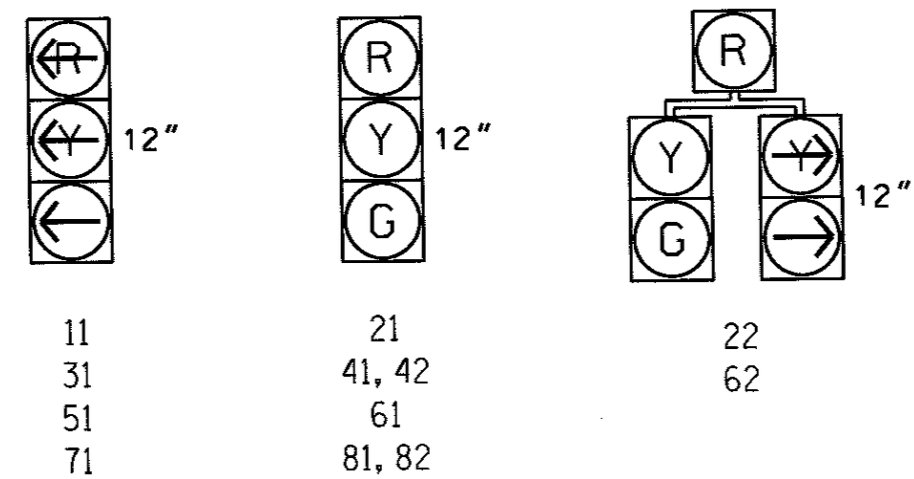
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE							
	01+5	02+6	03+7	04+8	01+6	02+5	03+8	04+7
11	←	←	←	←	←	←	←	←
21	R	R	G	G	R	R	R	R
22	R	R	G	G	R	R	R	Y
31	←	←	←	←	←	←	←	←
41,42	R	R	R	R	R	R	G	G
51	←	←	←	←	←	←	←	←
61	R	G	R	G	R	R	R	Y
62	R	G	R	G	R	R	R	Y
71	←	←	←	←	←	←	←	←
81,82	R	R	R	R	G	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



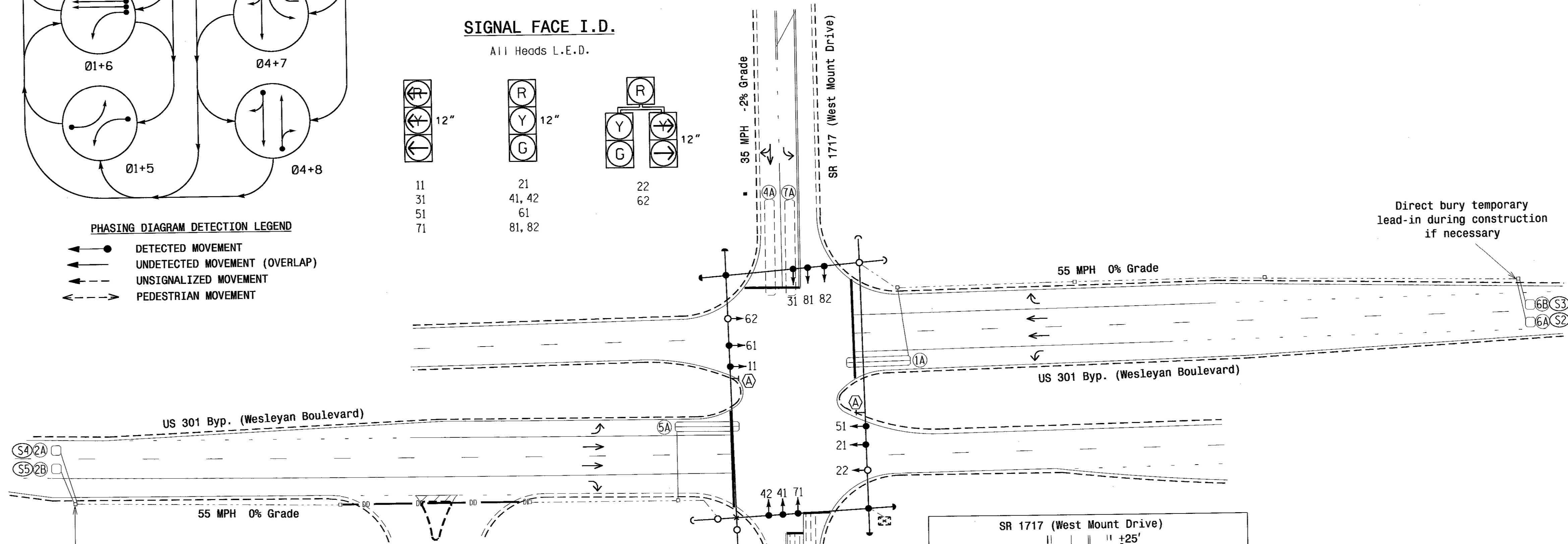
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	DETECTOR PROGRAMMING									
			TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	LOOP SYSTEM	NEW CARD
1A	6X40	+5	2-4-2	Y	1	Y	Y	-	-	-	-	-
2A/S4	6X6	420	6	Y	2	Y	Y	-	-	-	Y	-
2B/S5	6X6	420	6	Y	2	Y	Y	-	-	-	Y	-
3A	6X40	0	2-4-2	-	3	Y	Y	-	-	3	-	-
4A	6X60	+5	1	-	4	Y	Y	-	-	10	-	-
5A	6X40	+5	2-4-2	Y	5	Y	Y	-	-	-	-	-
6A/S2	6X6	420	6	Y	6	Y	Y	-	-	-	Y	-
6B/S3	6X6	420	6	Y	6	Y	Y	-	-	-	Y	-
7A	6X60	+5	1	-	7	Y	Y	-	-	3	-	-
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	10	-	-

8 Phase Fully Actuated Rocky Mount City System

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Phase 1 and/or phase 5 may be lagged.
- Phase 3 and/or phase 7 may be lagged.
- Set all detector units to presence mode.
- In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- System data: Zone 5, Controller Asset #0753.



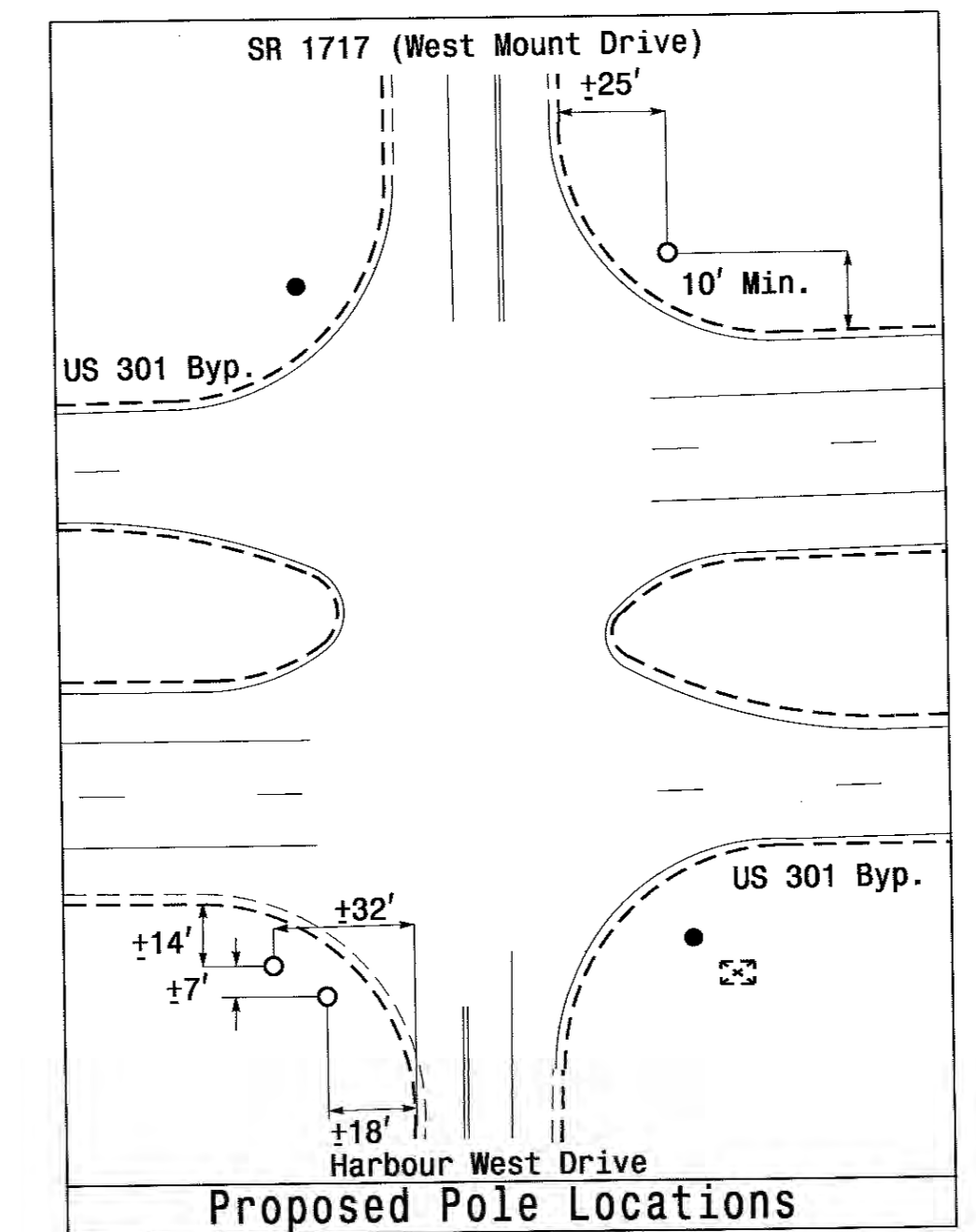
OASIS 2070 TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1*	7	14	7	7	7	14	7	7
Extension 1*	3.0	6.0	1.0	1.0	1.0	6.0	1.0	1.0
Max Green 1*	25	90	15	20	15	90	15	20
Yellow Clearance	3.0	5.2	3.0	4.0	3.0	5.2	3.0	3.7
Red Clearance	3.2	1.0	3.1	2.6	3.3	1.0	2.6	2.7
Walk 1*	-	-	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-	-	-
Seconds Per Actuation*	-	1.5	-	-	-	1.5	-	-
Max Variable Initial*	-	46	-	-	-	46	-	-
Time Before Reduction*	-	15	-	-	-	15	-	-
Time To Reduce*	-	30	-	-	-	30	-	-
Minimum Gap	-	3.4	-	-	-	3.4	-	-
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW	-	-
Dual Entry	-	-	-	-	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON	ON	ON	ON	ON

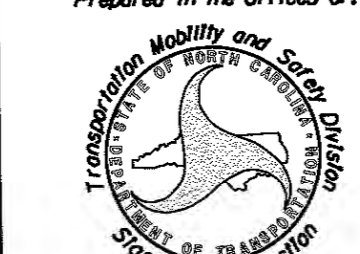
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.


LEGEND

- | PROPOSED | EXISTING |
|--|-----------------------------------|
| ○ → Traffic Signal Head | ● → N/A |
| ○ → Modified Signal Head | - Sign |
| ○ → Pedestrian Signal Head | ● → Sign |
| ○ → Signal Pole with Guy | ● → Signal Pole with Sidewalk Guy |
| ⊠ → Inductive Loop Detector | ⊠ → Controller & Cabinet |
| ⊠ → Junction Box | ⊠ → 2-in Underground Conduit |
| —○→ Right of Way | → Directional Arrow |
| → Directional Arrow | → Directional Drill |
| ⊠ → "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) | ⊠ → N/A |



Signal Upgrade

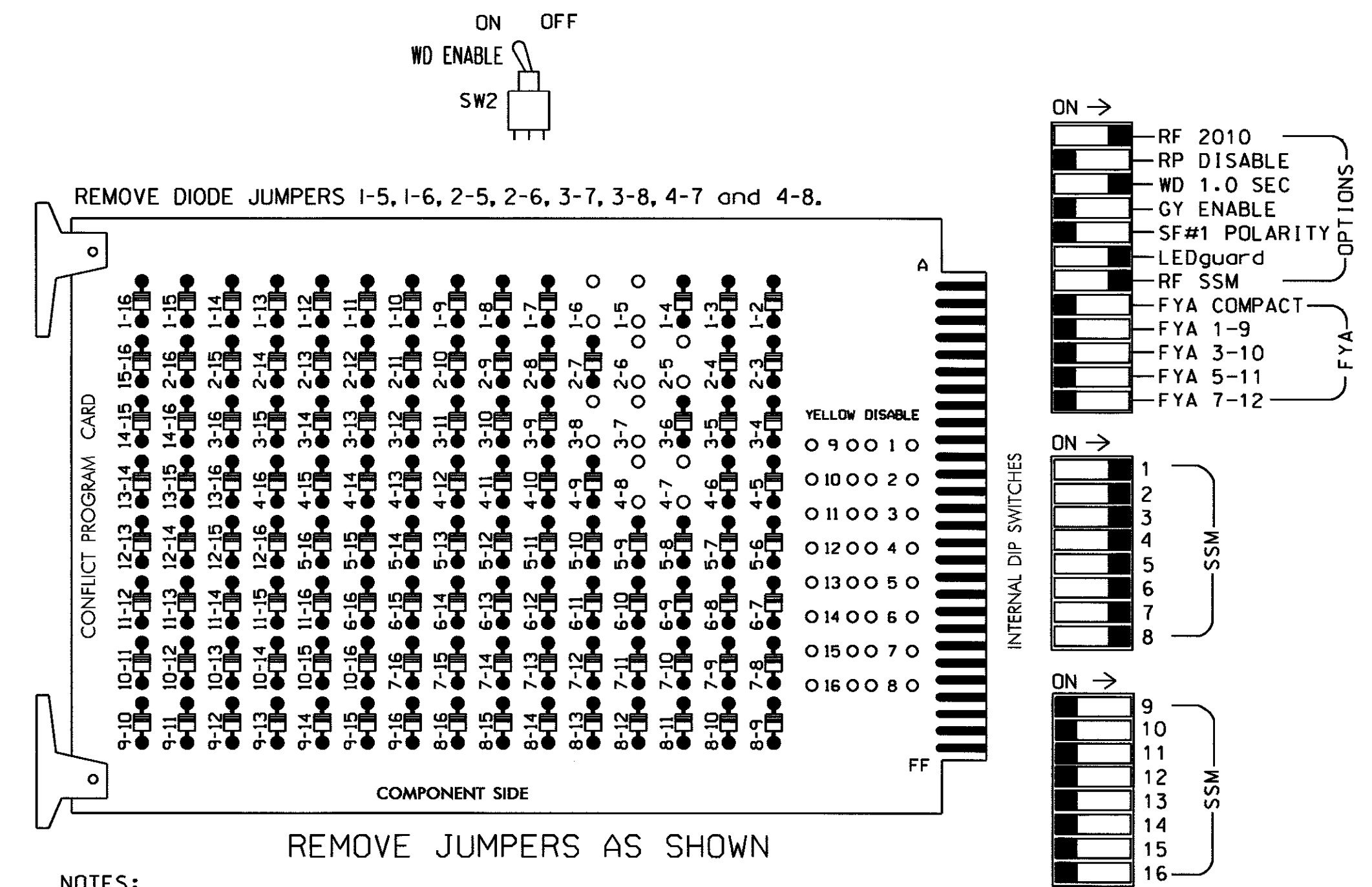
Prepared In the Offices of:

 US 301 Byp. (Wesleyan Boulevard)
 at
 SR 1717 (West Mount Drive) / Harbour West Drive
 Division 4 Nash County Rocky Mount
 PLAN DATE: January 2014 REVIEWED BY: PLA
 PREPARED BY: EM Minshew
 REVISIONS: _____ INIT: _____ DATE: _____

750 N. Greenfield Pkwy. Garner, NC 27529

 SCALE 1" = 40'

SEAL
 NORTH CAROLINA
 PROFESSIONAL ENGINEER
 23489
 [Signature]
 SIGNATURE: [Signature] DATE: [Date]
 SIG. INVENTORY NO. 04-0753

EDI MODEL 2010ECL-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.
- Make sure jumpers SEL2-SEL5 are present on the monitor board.

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 9,10, 11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the Rocky Mount City System.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
CABINET.....332
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8
PHASES USED.....1,2,3,4,5,6,7,8
OVERLAPS.....NONE

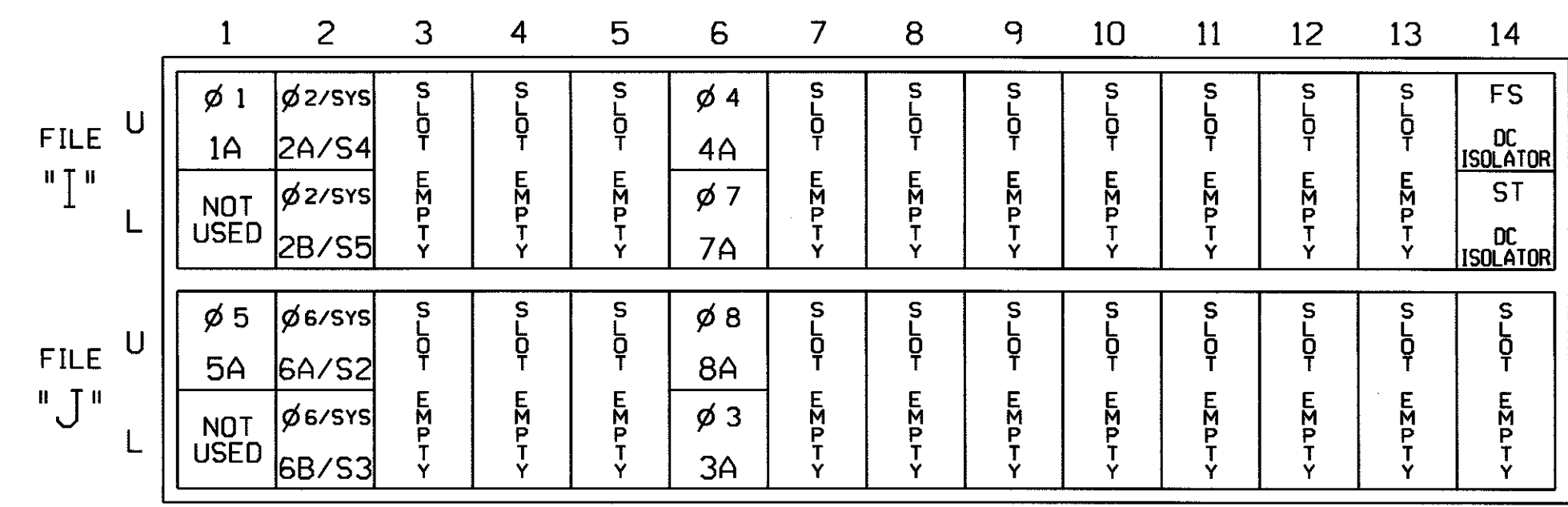
SIGNAL HEAD HOOK-UP CHART

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.	11	21,22	NU	22	31	41,42	NU	51	61,62	NU	62	71	81,82	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			117	117			132			123	123		
GREEN ARROW	127			118	118			133			124	124		

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)



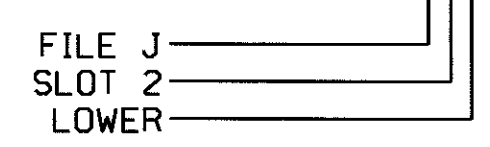
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

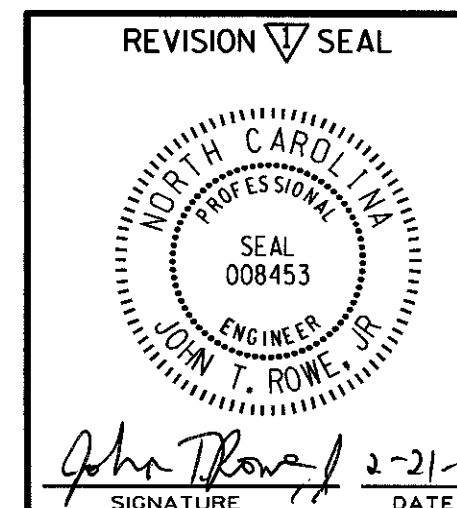
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A	TB2-1,2	I1U	56	18	1	1	Y	Y			
2A/S4	TB2-5,6	I2U	39	1	2	2/SYS	Y	Y			
2B/S5	TB2-7,8	I2L	43	5	12	2/SYS	Y	Y			
3A	TB5-11,12	J6L	46	8	18	3	Y	Y			3
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			10
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			
6A/S2	TB3-5,6	J2U	40	2	6	6/SYS	Y	Y			
6B/S3	TB3-7,8	J2L	44	6	16	6/SYS	Y	Y			
7A	TB4-11,12	I6L	45	7	14	7	Y	Y			3
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			10

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0753
DESIGNED: January 2014
SEALED: 2-20-14
REVISED: N/A

Electrical Detail



REVISION SEAL
ELECTRICAL AND PROGRAMMING DETAILS FOR:
Prepared In the Offices of:
750 N. Greenfield Pkwy, Garner, NC 27529

US 301 Byp. (Wesleyan Boulevard) at SR 1717 (West Mount Drive)/ Harbour West Drive

Division 4	Wash County	Rocky Mount
PLAN DATE: March 2011	REVIEWED BY: T. Joyce	
PREPARED BY: C. Strickland	REVIEWED BY:	
REVISIONS	INIT.	DATE
Added right turn lanes on main street (LJP)	JTR	2-21-14

SEAL
Not a certified document as to the Original Document but only as to the Revisions - This document originally issued and sealed by George C. Brown, PE #022013, on 3-15-11. This document is only certified as to the revisions.
SIGNATURE DATE
SIG. INVENTORY NO. 04-0753

2:1 FEB-2014 10:25 S:\ITS\SUM\TS\SIGNAL\WORKING\040753.sm.dwg 20110315.dgn J.T.R.