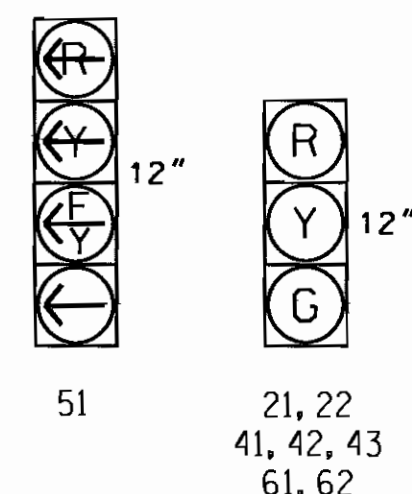
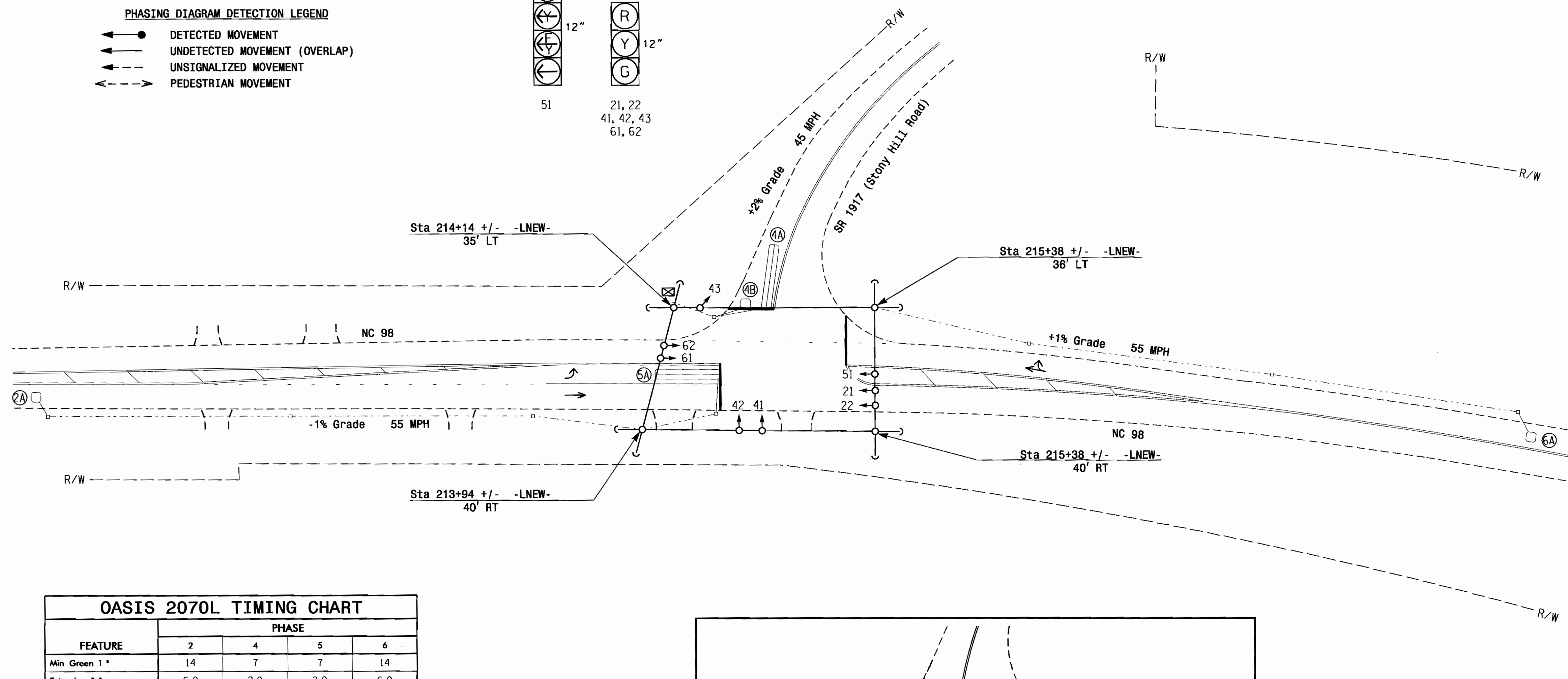


$\frac{F}{Y}$ = Flashing Yellow Arrow

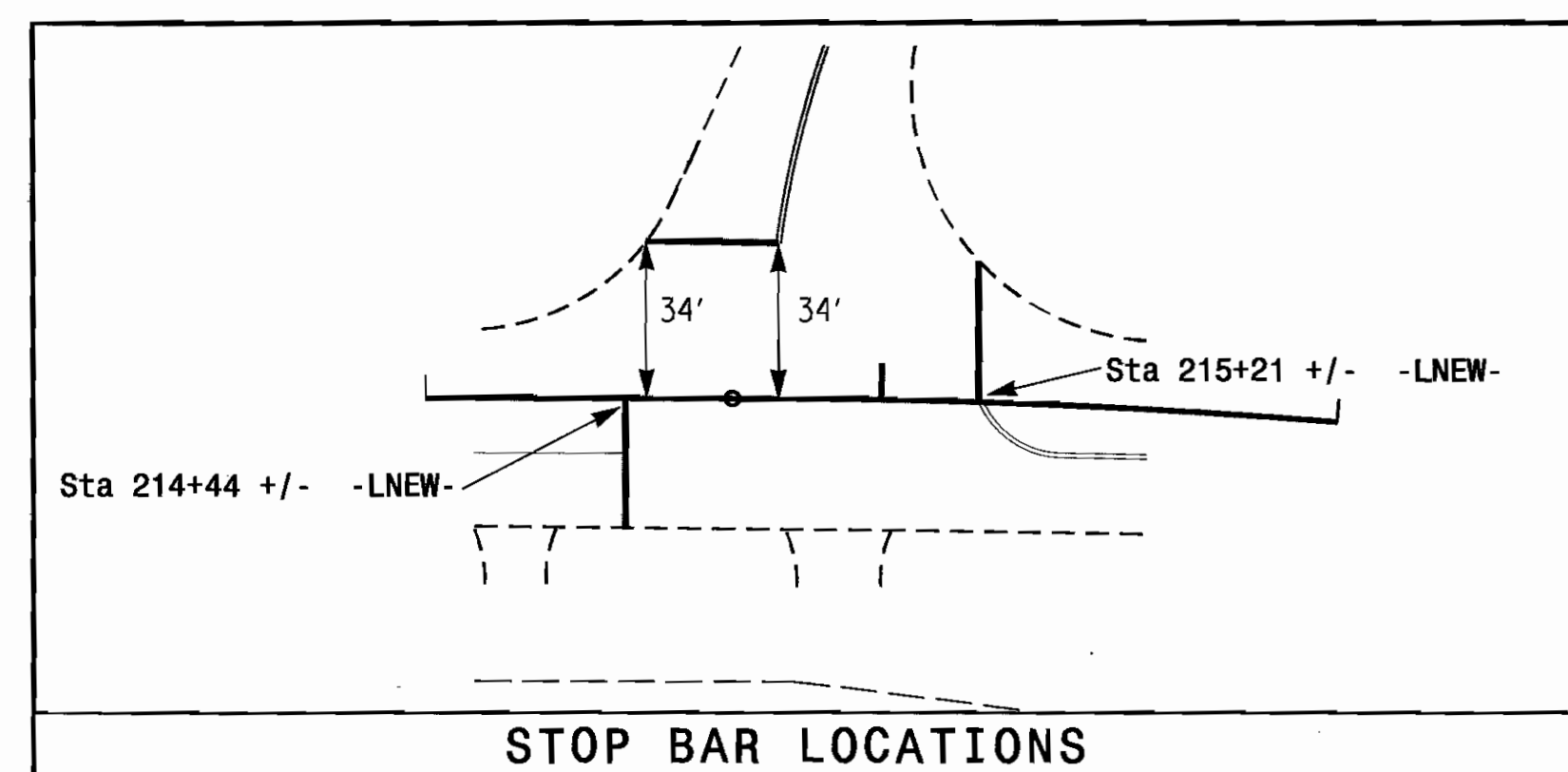
All Heads L.E.D.



←●	DETECTED MOVEMENT
←—	UNDETECTED MOVEMENT (OVERLAP)
←---	UNSIGNALIZED MOVEMENT
←--->	PEDESTRIAN MOVEMENT



* 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.



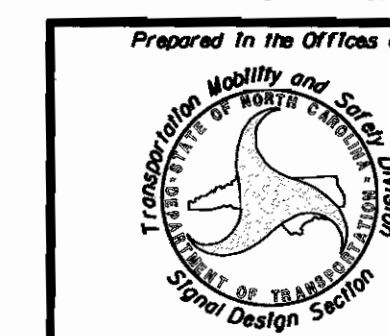
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM	NEW CARD
2A	6X6	420	6	Y	2	Y	Y	-	-	-	-	Y
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	5	-	Y
4B	6X6	0	3	Y	4	Y	Y	-	-	15	-	Y
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	15	-	Y
					2	Y	Y	Y	-	3	-	Y
6A	6X6	420	5	Y	6	Y	Y	-	-	-	-	Y

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 5 may be lagged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head	
	Signal Pole With Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
	Directional Arrow	

New Installation



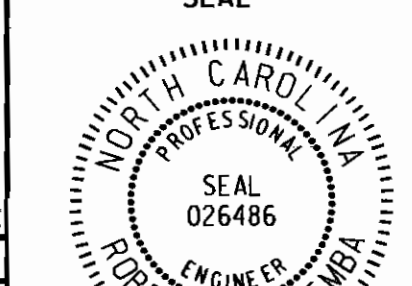
PLAN DATE:	April 2012	REVIEWED BY:
------------	------------	--------------

529	PREPARED BY: L. Blount	REVIEWED BY:
-----	------------------------	--------------

SCALE

KEY

SEA



5/11/12

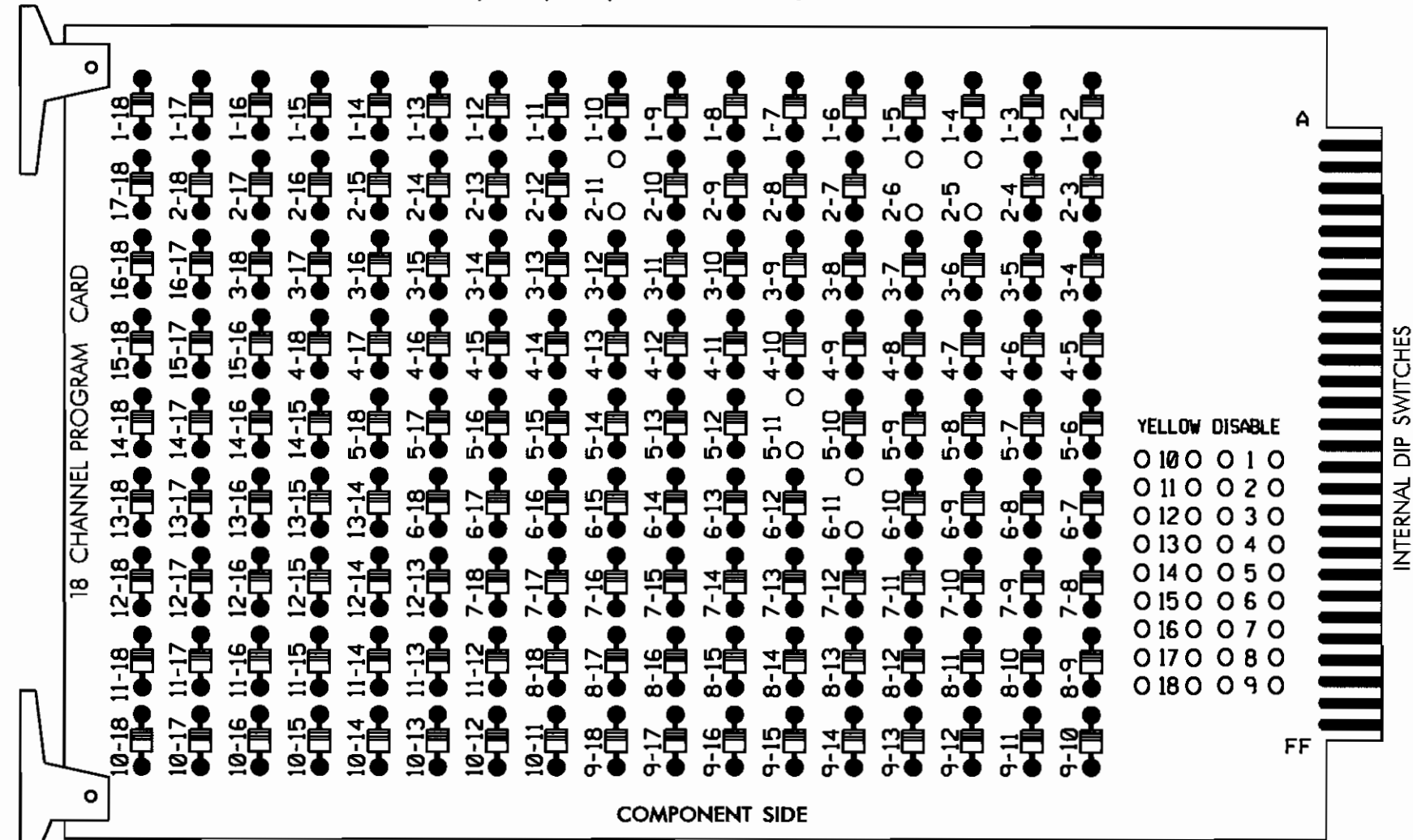
12/9/12

SIGNATURE		DATE
SIC	INVENTORY NO	05 1020

EDI MODEL 2018ECL-NC CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

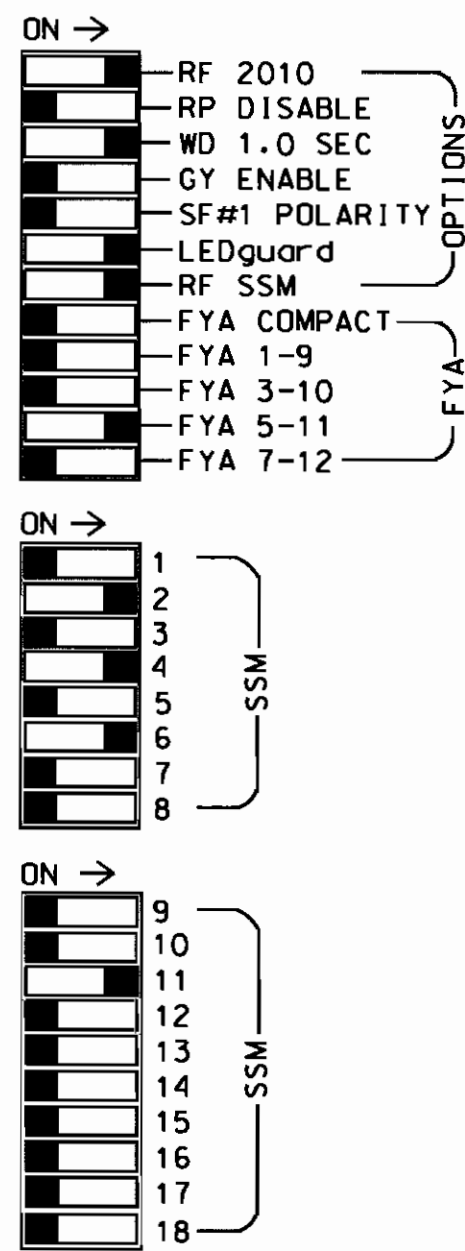
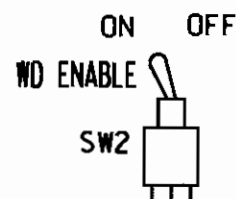
REMOVE DIODE JUMPERS 2-5, 2-6, 2-11, 5-11 and 6-11.



REMOVE JUMPERS 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.



■ = 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.
- 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.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
CABINET.....332 /W/ AUX
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
LOAD SWITCHES USED.....S2,S5,S7,S8,AUX S4.
PHASES USED.....2,4,5,6.
OVERLAP "A".....NOT USED
OVERLAP "B".....NOT USED
OVERLAP "C".....5+6
OVERLAP "D".....NOT USED

PROJECT REFERENCE NO. U-5118EL SHEET NO. Sig. 2

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.	NU	21,22	NU	NU	41,42 43	NU	51	61,62	NU	NU	NU	NU	NU	NU	NU	51	NU	NU
RED		128			101			134										
YELLOW		129			102		*	135										
GREEN		130			103			136										
RED ARROW																A114		
YELLOW ARROW																A115		
FLASHING YELLOW ARROW																A116		
GREEN ARROW								133										

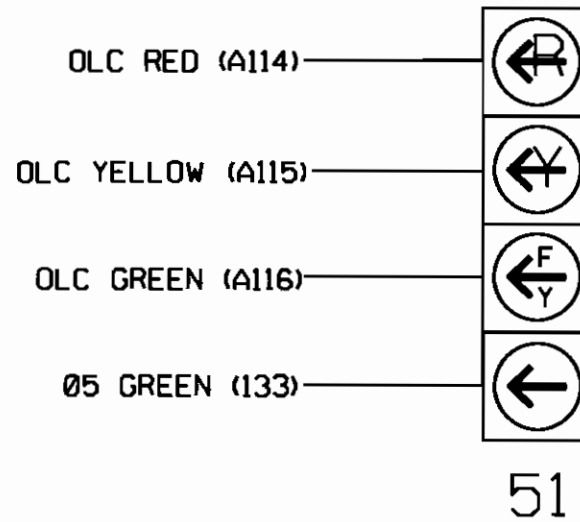
NU = Not Used

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

★ See pictorial of head wiring in detail below.

4 SECTION FYA PPLT SIGNAL WIRING DETAIL

(wire signal heads as shown)



NOTE

- The sequence display for this signal requires special logic programming. See sheet 2 for programming instructions.

INPUT FILE POSITION LAYOUT

(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"		S	Ø 2	S	S	S	Ø 4	S	S	S	S	S	S	S	FS
		2A		Ø 4	Ø 4	Ø 4	4A	Ø 4	Ø 4	Ø 4	Ø 4	Ø 4	Ø 4	Ø 4	DC ISOLATOR
L		NOT USED		Ø 4	Ø 4	Ø 4	4B	Ø 4	Ø 4	Ø 4	Ø 4	Ø 4	Ø 4	Ø 4	ST
		Ø 5	Ø 6	S	S	S	S	S	S	S	S	S	S	S	DC ISOLATOR
		5A	6A	S	S	S	S	S	S	S	S	S	S	S	
L		NOT USED	NOT USED	S	S	S	S	S	S	S	S	S	S	S	

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

FS = FLASH SENSE
ST = STOP TIME

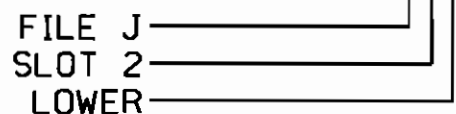
⊗ Wired Input - Do not populate slot with detector card

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			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			5
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			15
5A ¹	TB3-1,2	J1U	55	17	5	5	Y	Y			15
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			3

¹Add jumper from J1-W to 14-W, on rear of input file.

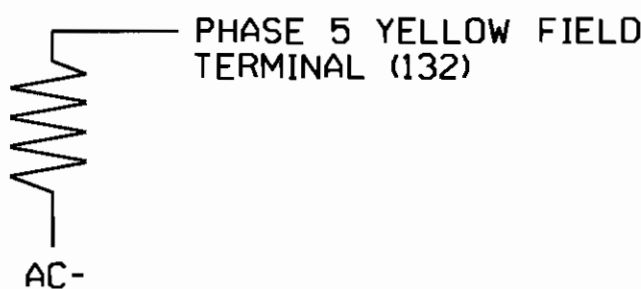
INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)

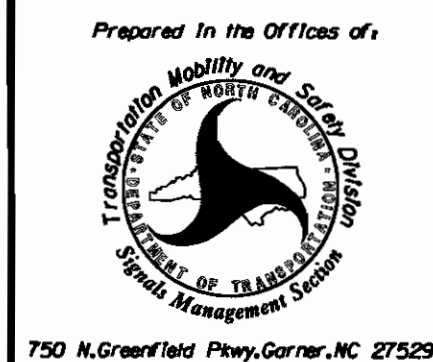
VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



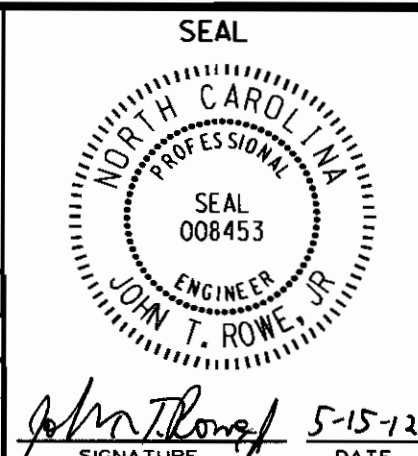
PHASE 5 YELLOW FIELD TERMINAL (132)

ELECTRICAL DETAIL SHEET 1 OF 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:



NC 98 at SR 1917 (Stony Hill Road)	
Division 5	Wake County
PLAN DATE: May 2012	REVIEWED BY: JTR
PREPARED BY: James Peterson	REVIEWED BY:
REVISIONS	INIT. DATE

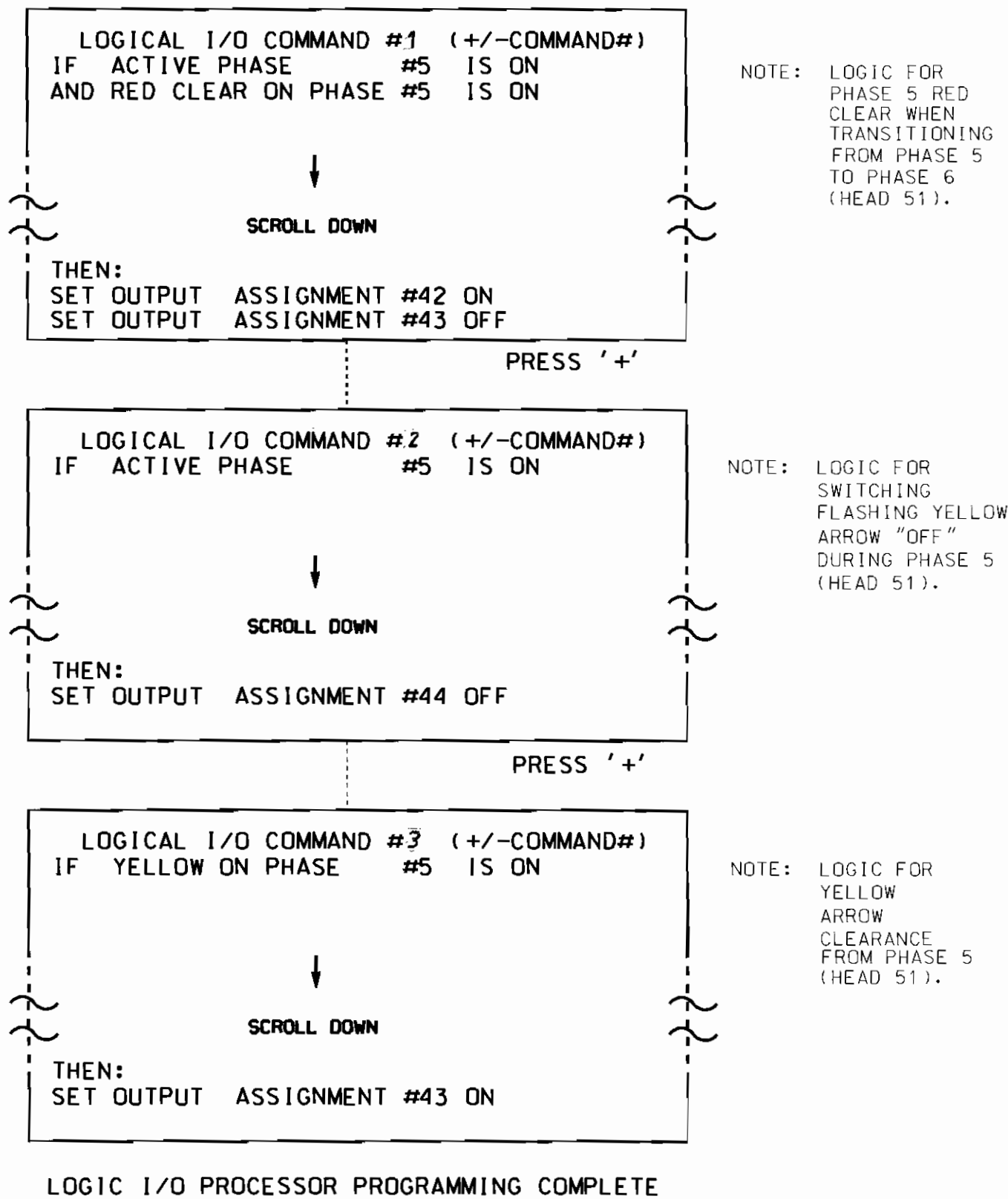


SIG. INVENTORY NO. 05-1929

LOGICAL I/O PROCESSOR PROGRAMMING DETAIL
TO PRODUCE SPECIAL FYA-PPLT SIGNAL SEQUENCE

(program controller as shown below)

- FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE ACT LOGIC COMMANDS 1, 2 AND 3.
- FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).



OUTPUT REFERENCE SCHEDULE

OUTPUT 42 = Overlap C Red
OUTPUT 43 = Overlap C Yellow
OUTPUT 44 = Overlap C Green

OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN '1' (VEHICLE OVERLAP SETTINGS).

PRESS '+' TWICE

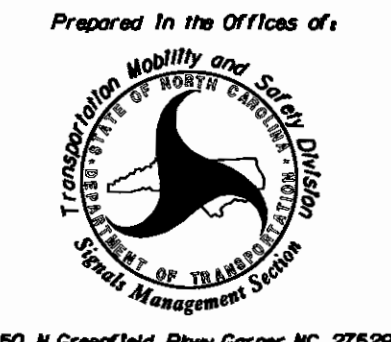
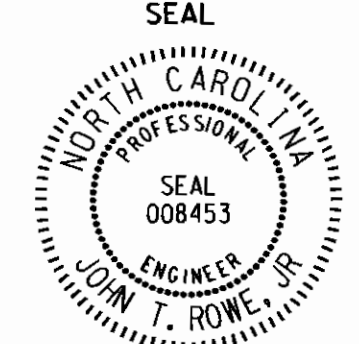
PAGE 1: VEHICLE OVERLAP 'C' SETTINGS
PHASE: 12345678910111213141516
VEH OVL PARENTS: XX
VEH OVL NOT VEH:
VEH OVL NOT PED:
VEH OVL GRN EXT:
STARTUP COLOR: _ RED _ YELLOW _ GREEN
FLASH COLORS: _ RED _ YELLOW X GREEN
SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...Y
GREEN EXTENSION (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

NOTICE GREEN FLASH

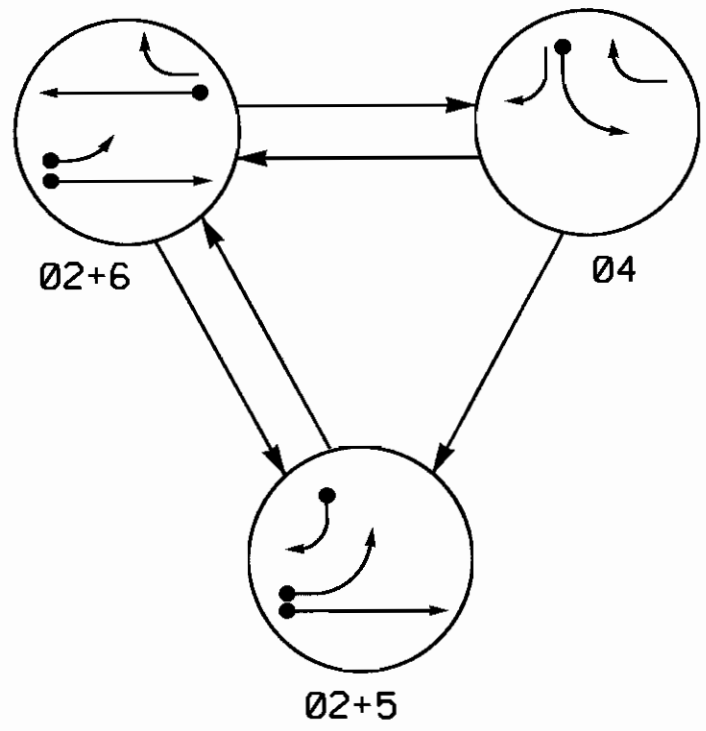
OVERLAP PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-1929
DESIGNED: April 2012
SEALED: 5-11-12
REVISED: N/A

ELECTRICAL DETAIL SHEET 2 OF 2

 750 N. Greenfield Pkwy, Garner, NC 27529	ELECTRICAL AND PROGRAMMING DETAILS FOR:		NC 98 at SR 1917 (Stony Hill Road)		 SEAL 008453 JOHN T. ROWE, JR. ENGINEER
	Division 5 Wake County Wake Forest				
	PLAN DATE: May 2012	REVIEWED BY: JTR			
	PREPARED BY: James Peterson	REVIEWED BY:			
	REVISIONS		INIT.	DATE	
				5-15-12	
				DATE	
				SIG. INVENTORY NO. 05-1929	

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

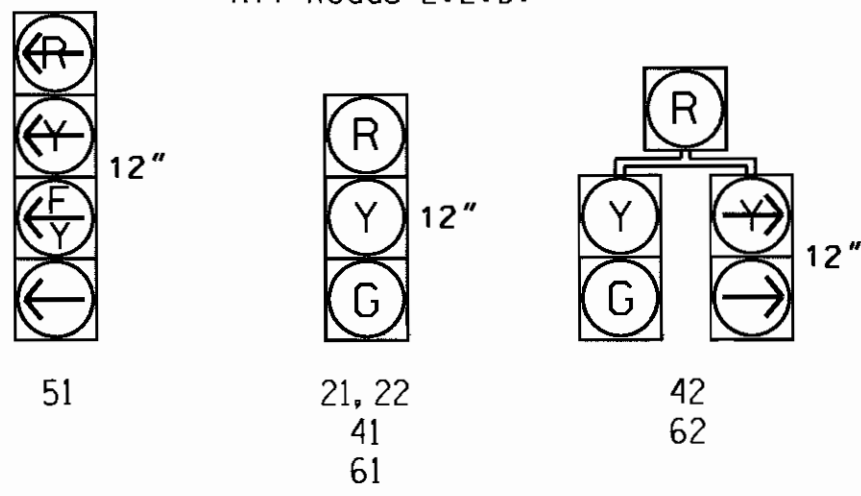
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE			
	02+6	04	05	06
21, 22	G	G	R	Y
41	R	R	G	R
42	R	R	G	R
51		F	R	Y
61	R	G	R	Y
62	R	G	R	Y

F = Flashing Yellow Arrow

SIGNAL FACE I.D.

All Heads L.E.D.

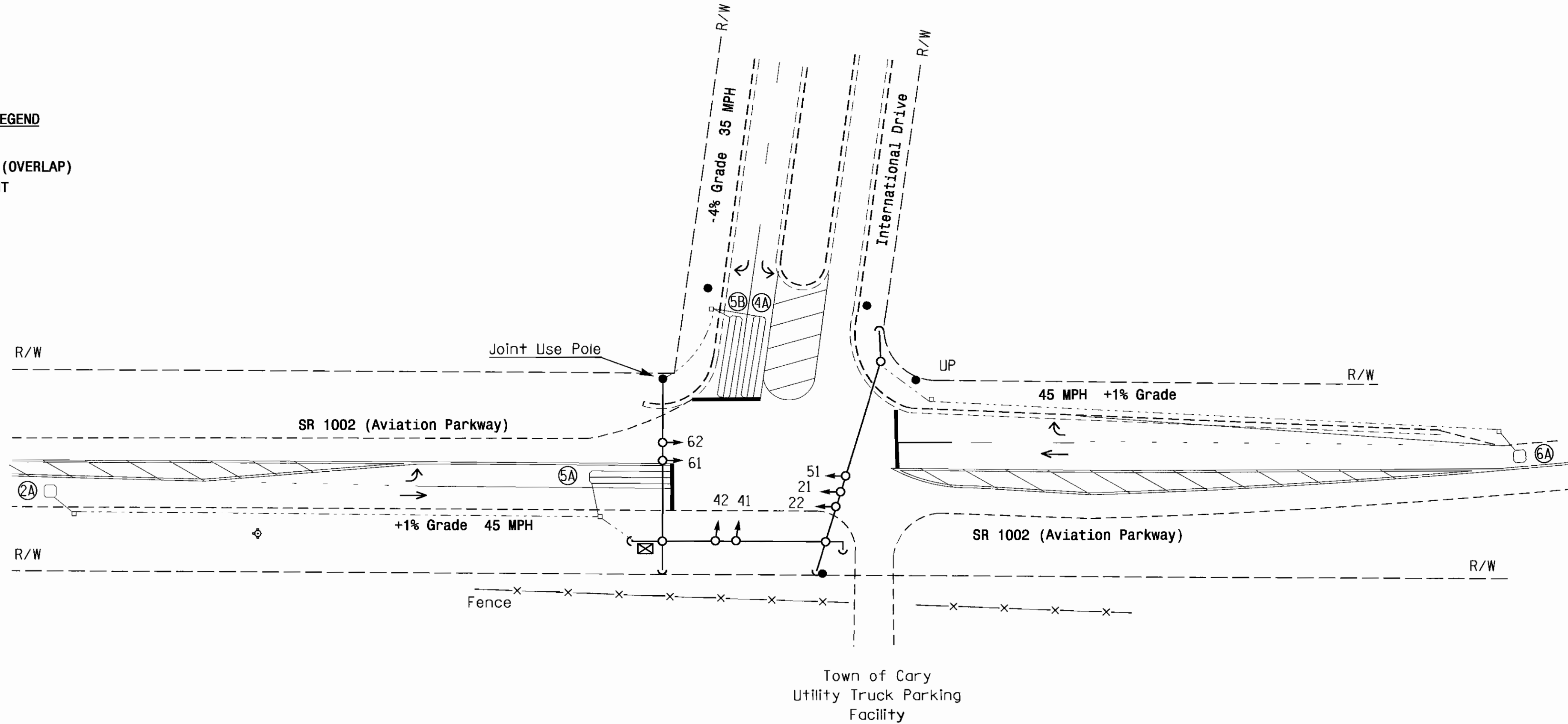


NEMA LOOP & DETECTOR INSTALLATION CHART with TS-2 CABINET											
INDUCTIVE LOOPS						DETECTOR UNITS					
LOOP NO.	SIZE (ft)	DIST. FROM STOPBAR (ft)	URNS	NEW	EXISTING	NEMA PHASE	NEW	EXISTING	TIMING FEATURE	TIME	INHIBIT DELAY DURING GREEN?
2A	6X6	300	5	X	-	2	X	-	-	-	NO
4A	6X40	0	2-4-2	X	-	4	X	-	-	-	NO
5A	6X40	0	2-4-2	X	-	5	X	-	DELAY	15	YES
5B	6X40	0	2-4-2	X	-	5	X	-	DELAY	15	YES
6A	6X6	300	5	X	-	6	X	-	-	-	NO

3 Phase
Fully Actuated
(Cary Signal System)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 5 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

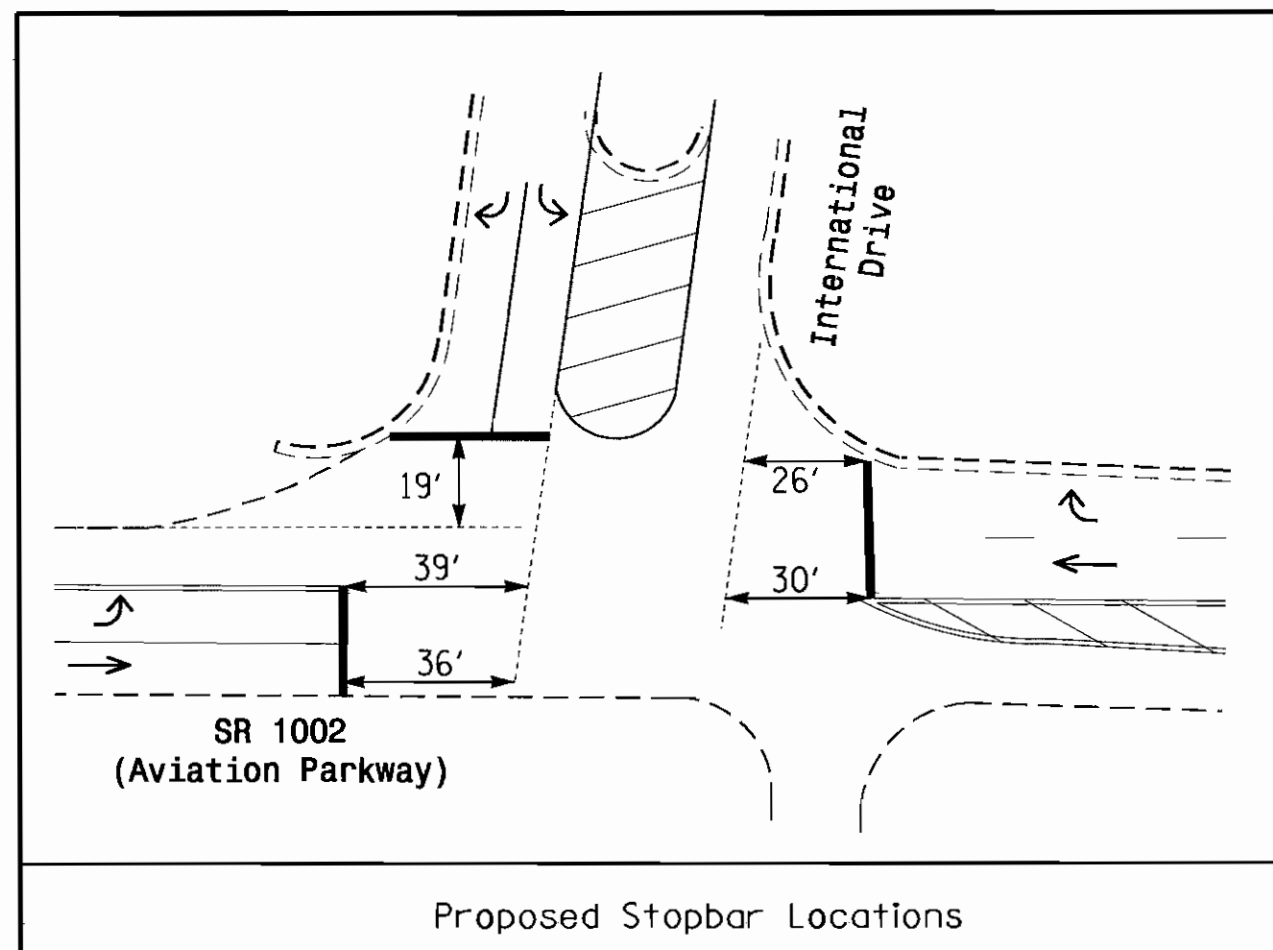
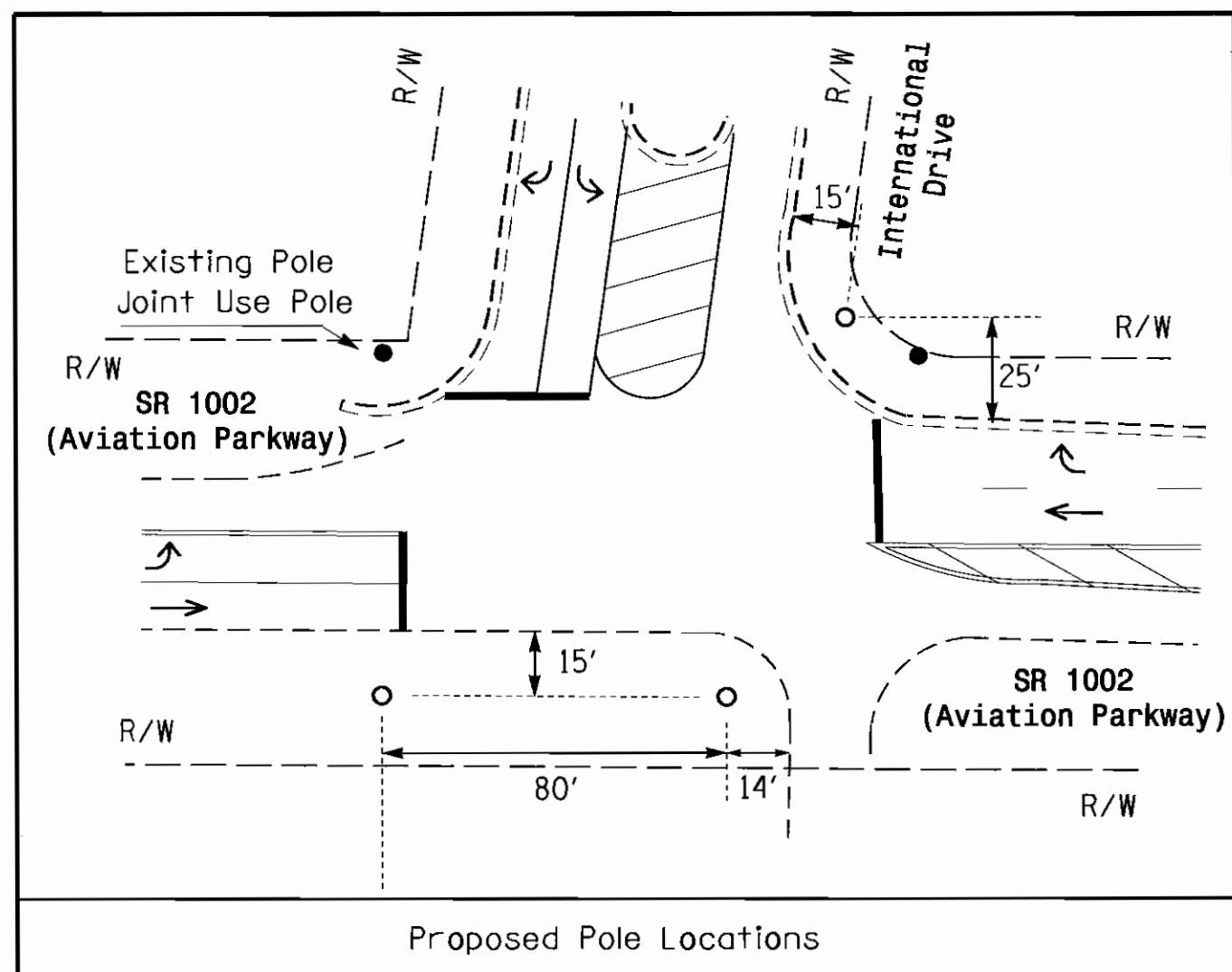


LEGEND

PROPOSED	EXISTING

NEMA TIMING CHART				
FEATURE	PHASE			
	02	04	05	06
MINIMUM GREEN *	12 SEC.	7 SEC.	7 SEC.	12 SEC.
PASSAGE GAP *	6.0 SEC.	2.0 SEC.	2.0 SEC.	6.0 SEC.
YELLOW CHANGE INT.	4.4 SEC.	3.0 SEC.	3.0 SEC.	4.4 SEC.
RED CLEARANCE	1.5 SEC.	2.3 SEC.	2.8 SEC.	1.5 SEC.
MAX. 1 *	90 SEC.	25 SEC.	20 SEC.	90 SEC.
RECALL POSITION	MIN. RECALL	NONE	NONE	MIN. RECALL
VEHICLE CALL MEMORY	LOCK	NONLOCK	NONLOCK	LOCK
WALK *	- SEC.	- SEC.	- SEC.	- SEC.
FLASHING DON'T WALK	- SEC.	- SEC.	- SEC.	- SEC.
VOLUME DENSITY	ON	OFF	OFF	ON
ACTUATION B4 ADD *	- VEH.	- VEH.	- VEH.	- VEH.
SEC. PER ACTUATION *	2.5 SEC.	- SEC.	- SEC.	2.5 SEC.
MAX. INITIAL *	34 SEC.	- SEC.	- SEC.	34 SEC.
TIME B4 REDUCTION *	15 SEC.	- SEC.	- SEC.	15 SEC.
TIME TO REDUCE *	40 SEC.	- SEC.	- SEC.	40 SEC.
MINIMUM GAP	3.0 SEC.	- SEC.	- SEC.	3.0 SEC.

* 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.

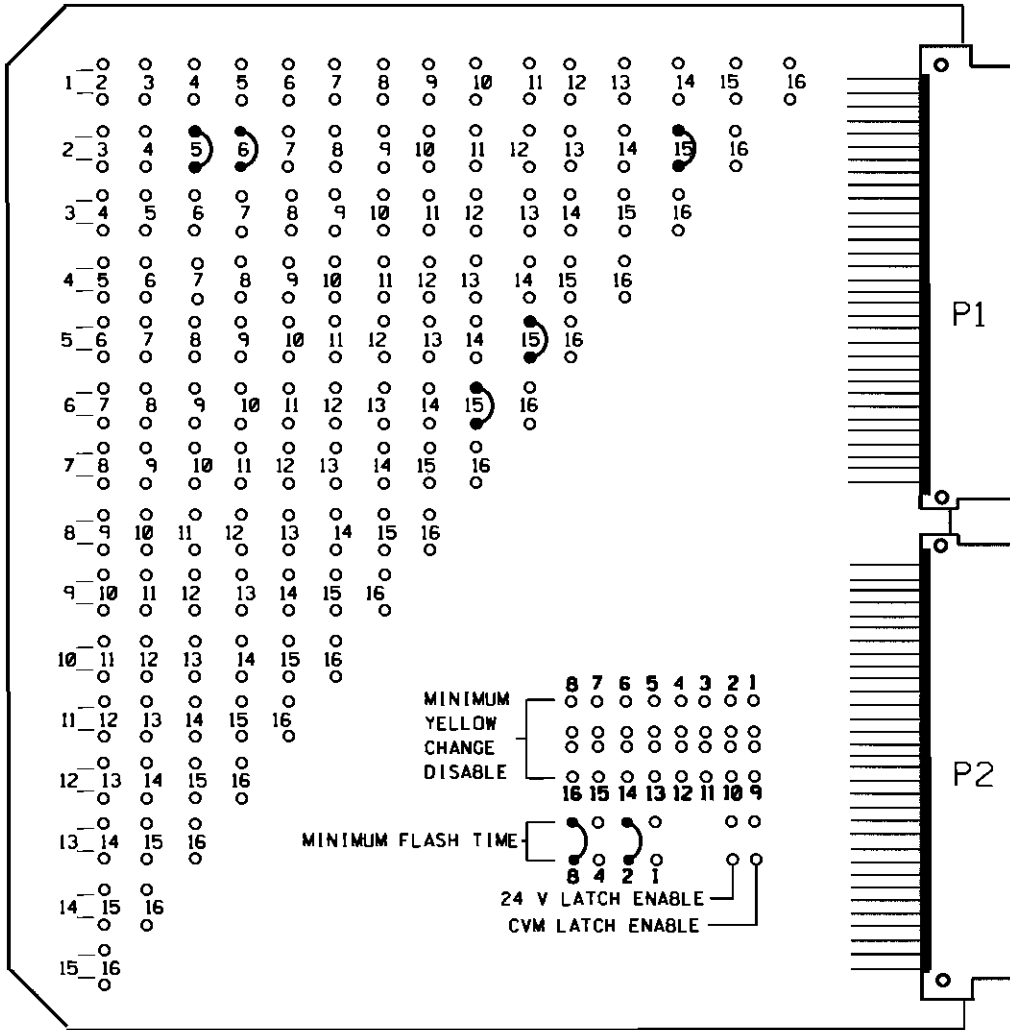


New Installation

	SR 1002 (Aviation Parkway) at International Drive		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER ROBERT J. ZIEMBA 026486
	Division 5 Wake County Morrisville	PLANNED BY: M. Bazzarrie	
750 N. Greenfield Pkwy, Garner, NC 27529	SCALE 0 40 1"=40'	REVISIONS	INIT. DATE

EDI MODEL MMU-16LE
MALFUNCTION MANAGEMENT UNIT
PROGRAMMING DETAIL

(program card and tables as shown below)



FIELD CHECK ENABLE
DUAL IND ENABLE
RED FAIL ENABLE

CHANNEL NUMBER	ENABLE/DISABLE
1	DISABLE
2	ENABLE
3	DISABLE
4	ENABLE
5	ENABLE
6	ENABLE
7	DISABLE
8	DISABLE
9	DISABLE
10	DISABLE
11	DISABLE
12	DISABLE
13	DISABLE
14	DISABLE
15	ENABLE
16	DISABLE

UNIT OPTIONS

OPTION	SETTING
RECURRENT PULSE	ON
WALK DISABLE	OFF
LOG CVM FAULTS	ON
EXTERN WATCHDOG	OFF
24V-2-12VDC	OFF
PGM CARD MEMORY	ON
LEDgaurd	ON
FORCE TYPE 16	OFF
TYPE12-SOLC	OFF

FLASHING YELLOW ARROW

CH. GROUP FOR PROTECTED GREEN ARROWS	CH. 1,3,5,7
ENABLE CHANNEL PAIR, FYA	
CH 1-13	OFF
CH 3-14	OFF
CH 5-15	ON
CH 7-16	OFF

MMU PROGRAMMING NOTE

1. ENSURE YELLOW CHANGE PLUS RED CLEARANCE MONITORING IS ENABLED FOR ALL CHANNELS.

MMU PROGRAMMING CARD

DETECTOR RACK SET-UP DETAIL

INSERT DETECTOR CARDS IN RACK ACCORDING TO THE DETAIL SHOWN BELOW.
PARTICULAR DETECTOR CHANNELS WILL CALL PHASES INDICATED.

RACK #1

BIU	CH1 L3 ø 5	CH1 L1 ø 2	SLOT ø 5	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT
	CH2 L4 ø 2 *	CH2 L2 ø 4								

RACK #2

BIU	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT
	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY

WIRE LOOPS TO TERMINALS ON LOOP PANEL AS SHOWN IN THE CHART BELOW

LOOP NO.	LOOP PANEL TERMINALS
2A	L1A.L1B
4A	L2A.L2B
5A	L3A.L3B
5B	L4A.L4B
6A	L5A.L5B
6A	L6A.L6B
NU	L7A.L7B
NU	L8A.L8B
NU	L9A.L9B
NU	L10A.L10B
NU	L11A.L11B
NU	L12A.L12B
NU	L13A.L13B
NU	L14A.L14B
NU	L15A.L15B
NU	L16A.L16B

ADD JUMPERS FROM L3A TO L4A, AND L3B TO L4B

NOTE

BE SURE TO PROGRAM DETECTOR TYPES AND TIMERS (EXTEND AND DELAY) AS SHOWN ON THE SIGNAL PLANS.

ASSIGN CONTROLLER SYSTEM DETECTORS TO LOCAL CONT. DET. NUMBERS AS SHOWN IN CHART BELOW

CONTROLLER SYS. DET. NO.	LOCAL CONT. DETECTOR NO.
1	
2	
3	
4	
5	
6	
7	
8	

PROGRAM CONTROLLER DETECTORS ACCORDING TO THE SCHEDULE SHOWN IN THE CHART BELOW

CONTROLLER DETECTOR NO.	FUNCTION	TIMING	
		FEATURE	TIME(SEC)
1	ø 2		
2	ø 4		
3	ø 5	DELAY	15
* 4	ø 2	DELAY	3
5	ø 5	DELAY	15
6	ø 6		
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

* THIS DETECTOR IS EQUIPPED WITH DELAY AND EXTEND TIMERS. PROGRAM THE TIMING REQUIRED FOR THIS DETECTOR CHANNEL ON THE DETECTOR UNIT, NOT THE CONTROLLER.

NOTES

- To prevent "Flash-conflict" problems, wire all unused load switches to flash red. Verify that signal heads flash in accordance with the signal plans.
- To prevent red failures on unused monitor channels, tie unused load switch red outputs 1,3,7,8,9,10,11,12,13,14, and 16 to load switch AC+ by inserting a jumper plug in the unused load switch socket from pin 1 (LS AC+) to pin 3 (red out). Make sure all flash transfer relays are in place.
- Program controller to start up in phases 2 and 6 green.
- Set power-up flash time to 10 seconds and implement on the Malfunction Management Unit. Set controller power-up flash time to 0 seconds.
- Enable simultaneous gap-out feature, on controller unit, for all phases.
- Program detectors in accordance with the manufacturer's instructions to accomplish the detection schemes shown on the signal design plans.
- Program detector call delay and extension timing on the controller, unless otherwise specified.
- Set all detector card unit channels to "presence" mode.
- Program phases 2 and 6, on controller unit, for volume density operation.
- This controller and cabinet are part of the Cary Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
CABINETNC-8 TS-2
SOFTWAREASC/2070
CABINET MOUNT.....BASE
LOADBAY POSITIONS.....16
LOAD SWITCHES USED.....2,4,5,6,15
PHASES USED.....2,4,5,6
OLA.....NOT USED
OLB.....NOT USED
OLC.....5+6
OLD.....NOT USED

SIGNAL HEAD HOOK-UP CHART

PHASE	1	2	3	4	5	6	7	8	2 PED	4 PED	6 PED	8 PED	OLA	OLB	OLC	OLD
SIGNAL HEAD NO.	NU	21,22	NU	41,42	62	42	51	61,62	NU	NU	NU	NU	NU	NU	51	NU
RED		2R		4R		*		6R								
YELLOW		2Y		4Y				6Y								
GREEN		2G		4G				6G								
RED ARROW															15R	
YELLOW ARROW				4Y	5Y										15Y	
FLASHING YELLOW ARROW															15G	
GREEN ARROW				4G	5G	5G										
⬅																
➡																

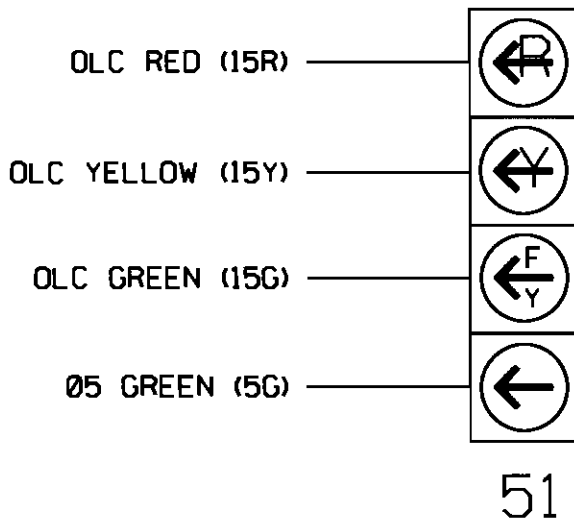
NU = Not Used

* Denotes install Load Resistor, see Load Resistor installation detail this sheet.

★ See pictorial of head wiring detail this sheet.

4 SECTION FYA PPLT SIGNAL WIRING DETAIL

(wire signal head as shown)



NOTE

See Overlap Programming Details on sheet 2.

LOAD SWITCH ASSIGNMENT DETAIL

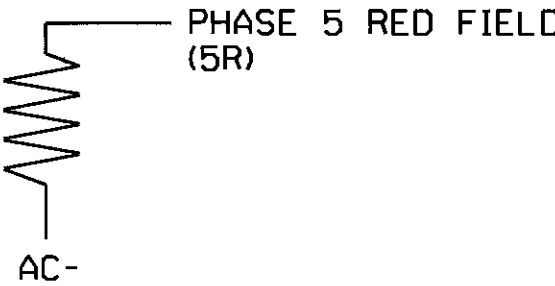
(program controller according to schedule in chart below)

LOAD SWITCH NUMBER	FUNCTION
1	ø 1
2	ø 2
3	ø 3
4	ø 4
5	ø 5
6	ø 6
7	ø 7
8	ø 8
9	ø 2 PED
10	ø 4 PED
11	ø 6 PED
12	ø 8 PED
13	OLA
14	OLB
15	OLC
16	OLD

LOAD RESISTOR
INSTALLATION DETAIL

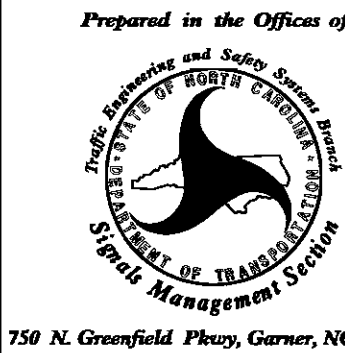
ACCEPTABLE VALUES

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



New Installation - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING
DETAILS FOR:



SR 1002 (Aviation Parkway)
at
International Drive

Division 5 Wake County Morrisville

PLAN DATE: May 2012

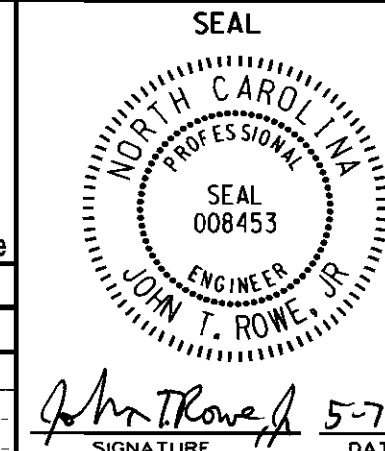
REVIEWED BY: JTR

PREPARED BY: S. Armstrong

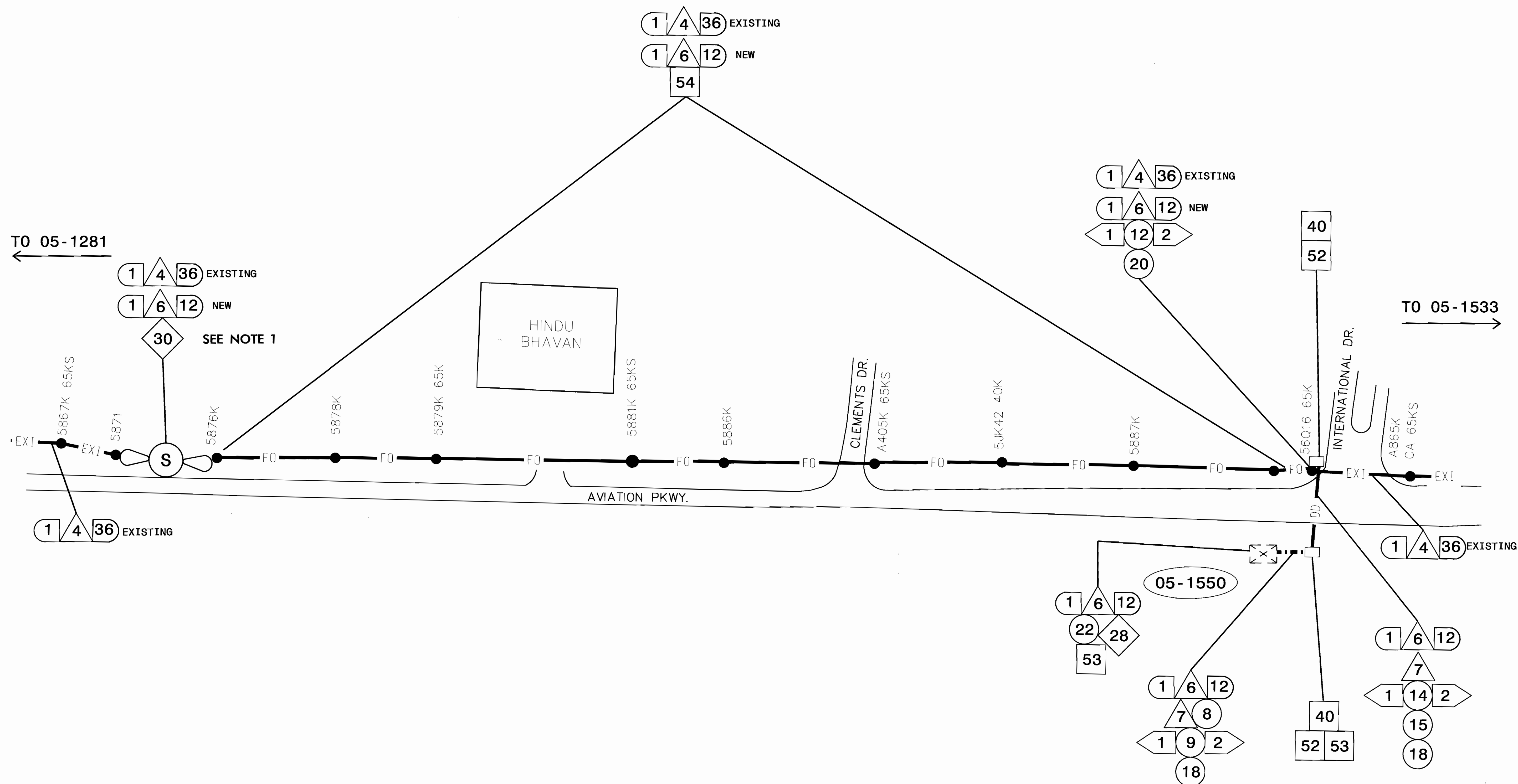
REVIEWED BY:

REVISIONS

INIT. DATE



SIG. INVENTORY NO. 05-1550



NOTE:

1. LOCATE EXISTING SNOW SHOE AND INSTALL A NEW AERIAL SPLICE ENCLOSURE.

Prepared in the Offices of:  Preparation, Mobility and Public Division STATE OF NORTH CAROLINA PROFESSIONAL ENGINEER Transportation Systems Division 759 N. Greenfield Place, Garner, NC 27529	COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS INTERNATIONAL DR. AT AVIATION PARKWAY	SEAL  SEAL 023919 ENGINEER GREGORY A. FULLER																																	
DIVISION 05 WAKE MORRISVILLE																																			
PLAN DATE: MAY 2012 PREPARED BY: H. T. BERGGREN	REVIEWED BY: I. N. AVERY REVIEWED BY: G. A. FULLER, PE																																		
REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 20%;">INIT.</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			DESCRIPTION	INIT.	DATE																														
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SCALE  <i>Gregory A. Fuller</i> 5/23/12 SIGNATURE DATE																																			
CADD Filename: _____																																			

05-1550
AVIATION PKWY AND INTERNATIONAL DR.
CHANNEL 17

COLOR CODE
TIA/EIA 598-A

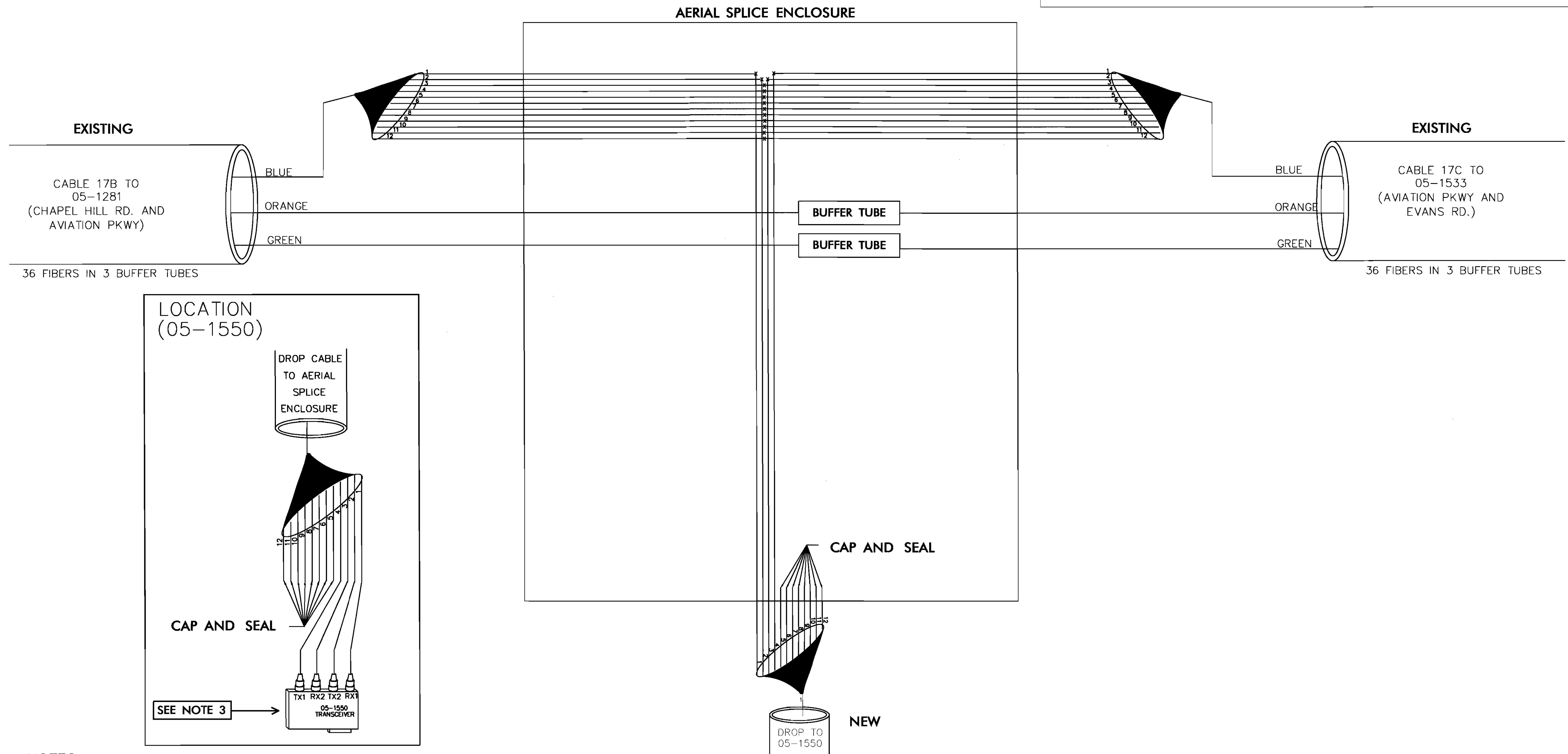
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

LEGEND

X = FUSION SPLICE INDIVIDUAL FIBER

C = CAP AND SEAL

BUFFER TUBE = EXPRESS ENTIRE BUFFER TUBE



NOTES:

1. TRANSCEIVER TERMINATION CONFIGURATIONS SHOWN ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING PROPER TERMINATIONS.
2. NOTIFY THE TOWN OF CARY'S TRAFFIC ENGINEER (DAVID SPENCER @ (919) 462-3833) ONCE THE FIBER OPTIC CABLE HAS BEEN TERMINATED TO ENSURE THAT ALL FIBER CIRCUITS ARE CONNECTED AND FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE CARY SIGNAL SYSTEM IS OPERATIONAL.
3. FURNISH MERIDIAN MODEL # 2300M-2/ST TRANSCEIVER, OR AN APPROVED EQUIVALENT, FOR COMPATIBILITY WITH THE CARY SIGNAL SYSTEM.

Prepared in the Offices of: 750 N. Greenfield Pkwy., Garner, NC 27529	SPLICE PLAN INTERNATIONAL DR. AT AVIATION PKWY.		SEAL DATE: 5/23/12	
	DIVISION 05	WAKE		MORRISVILLE
	PLAN DATE: MAY 2012	REVIEWED BY: I. N. AVERY		
	PREPARED BY: H. T. BERGGREN	REVIEWED BY: G. A. FULLER, PE		
SCALE	REVISIONS	INIT.	DATE	
0				
NONE				

NOT TO
SCALE

PROPOSED 24" x 120 MIL
WHITE STOPBARS

PROPOSED STRAIGHT/RIGHT ARROWS
60' +/- AND 210' +/- BACK
FROM NEW STOPBAR

PROPOSED STRAIGHT ARROWS
60' +/- AND 210' +/- BACK
FROM NEW STOPBAR

PROPOSED 4"x120 MIL
YELLOW CENTERLINE EXTENSION

RECONFIGURE 4"x120 MIL YELLOW
CENTERLINE TO NEW STOP BAR LOCATION
AND REMOVE EXISTING 4" LINES AS
DIRECTED BY THE ENGINEER

34'

NOT TO SCALE

PROPOSED LEFT ARROW
AND RIGHT ARROW 60' +/- BACK
FROM PROPOSED STOP BAR

PROPOSED STRAIGHT ARROWS
60' +/- AND 210' +/- BACK
FROM NEW STOPBAR

PROPOSED 24" x 120 MIL
WHITE STOPBARS

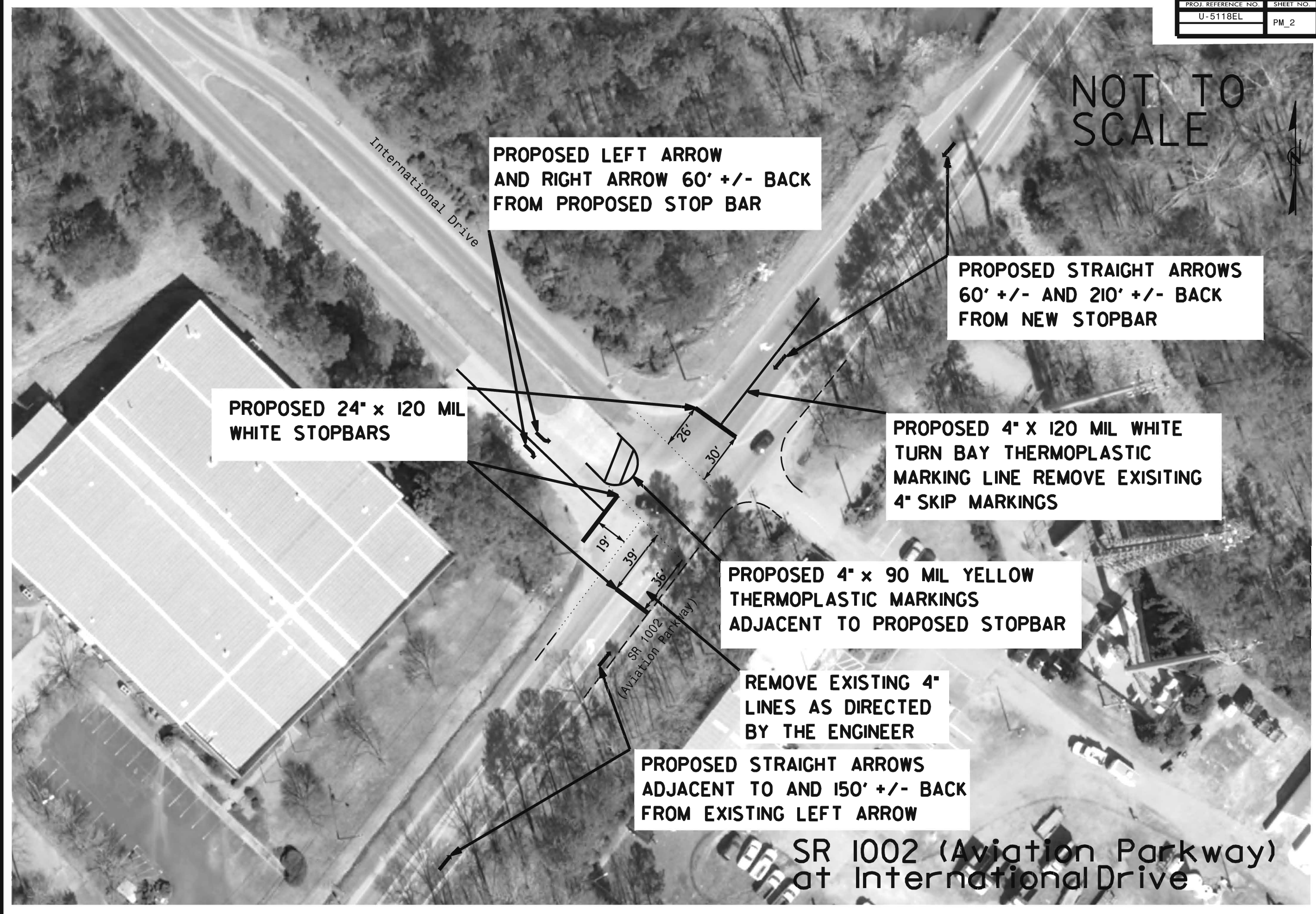
PROPOSED 4" x 120 MIL WHITE
TURN BAY THERMOPLASTIC
MARKING LINE REMOVE EXISTING
4" SKIP MARKINGS

PROPOSED 4" x 90 MIL YELLOW
THERMOPLASTIC MARKINGS
ADJACENT TO PROPOSED STOPBAR

REMOVE EXISTING 4"
LINES AS DIRECTED
BY THE ENGINEER

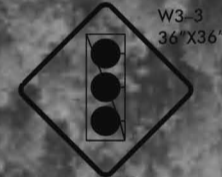
PROPOSED STRAIGHT ARROWS
ADJACENT TO AND 150' +/- BACK
FROM EXISTING LEFT ARROW

SR 1002 (Aviation Parkway)
at International Drive



NOT TO
SCALE

36" Signal Ahead Sign
500'+/- Back from Intersection



W3-3
36"X36"

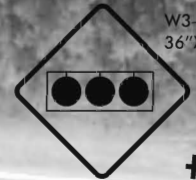


SR 1917 (Stony Hill Rd)



NC 98

36" Signal Ahead Sign
500'+/- Back from
Intersection



W3-3
36"X36"



W3-3
36"X36"

36" Signal Ahead Sign
500'+/- Back from Intersection

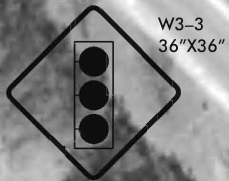


NC 98 @ SR 1917 (Stoney Hill Road)

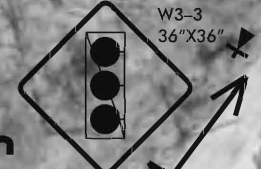
Existing Sign System to be Removed
and Disposed of by Contractor

NOT TO
SCALE

36" Signal Ahead Sign
500'+/- Back from
Intersection



36" Signal Ahead Sign
500'+/- Back from Intersection

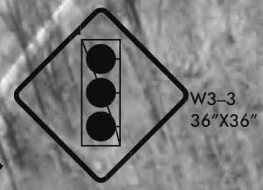


International Drive

SR 1002 (Aviation Parkway)



Existing Sign System to be Removed
and Disposed of by Contractor



36" Signal Ahead Sign
500'+/- Back from Intersection

SR 1002 (Aviation Parkway)
at International Drive