of any jumper allows its channels to run concurrently.

2. Make sure jumpers SEL2-SEL5 are present on the monitor board.

NOTES

- 1. To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- 2. 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 7,8,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- 3. Enable Simultaneous Gap-Out for all phases.
- 4. Program Phases 2 and 6 for First Phases
- 5. Remove Yellow Flash Programming and remove Phases 2 and 6 from Startup in Green
- 6. The cabinet and controller are part of the Jacksonville Signal System.

OVERLAP "D".....NOT USED

EQUIPMENT INFORMATION

CONTROLLER2070
CABINET
SOFTWAREECONOLITE OASIS
JULIWANL
CABINET MOUNTBASE
OUTPUT FILE POSITIONS18 (12-STD, 6-AUX)
LOAD SWITCHES USED\$1,\$2,\$3,\$4,\$5,\$6,\$9,\$10
PHASES USED
OVERLAP "A"1
OVERLAP "B"4
OVERLAP "C"NOT USED

OJECT REFERENCE NO. SHEET NO. Sig. 3.1

SIGNAL HEAD HOOK-UP CHART																					
LOAD SWITCH NO.	S1	S2	S2P		S 3			4	S4P	S 5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
PHASE	1	2	2 PED		3		4	1	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	22	41	42	NU	51	61,62	NU	NU	NU	NU	32	62	NU	NU	NU	NU
RED		128		116	116		101	101			134					*	*				
YELLOW		129		117	117		102	102			135										
GREEN		130		118	118		103	103			136										
RED ARROW	125									131						A122	A125				
YELLOW ARROW	126					117				132						A123	A126				
GREEN ARROW	127			118		118	103			133											
₩																					
Ķ																					

NU = NOT USED

* Denotes install load resistor. See Load Resistor Installation Detail this page.

OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

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

PAGE 1: VEHICLE OVERLAP 'A' 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).......
YELLOW CLEAR (0=PARENT.3-25.5 SEC)......
O
YELLOW CLEAR (0=PARENT.0.1-25.5 SEC)...........
OUTPUT AS PHASE # (0=NONE. 1-16).....

PRESS '+'

PAGE 1: VEHICLE OVERLAP 'B' 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)......
QYELLOW CLEAR (0=PARENT.3-25.5 SEC).....
OUTPUT AS PHASE # (0=NONE. 1-16)....

OVERLAP PROGRAMMING COMPLETE

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

ST = STOP TIME

SPECIAL DETECTOR NOTE

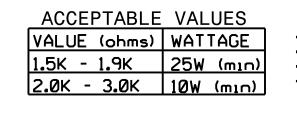
Install a multizone microve detection zone for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

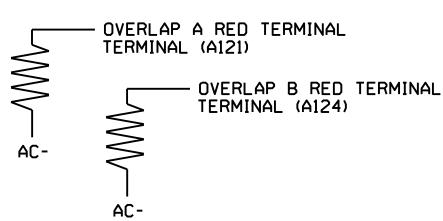
GPS PREEMPTION INSTALLATION NOTE

Install GPS preemption system. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting location to accomplish the preemption schemes shown on the signal design plans.

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)





DAVENPORT I

HOME OFFICE:
119 BROOKSTOWN AVE, SUITE PH1
WINSTON-SALEM, NC 27101
336.744.1636 www.davenportworld.com
NCBELS FIRM LICENSE NO. C-2522

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-0896T1
DESIGNED: May 2025
SEALED: 7/2/2025
REVISED: N/A

Project #: 230907 Electrical Details

Temperary Design 1 Phase 1 - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

750 N.Greenfield Pkwy, Garner, NC 27529

NC 53 (Western Boulevard) at

Gateway South

Division 3 Onslow County

	•			
Division	3 Onslow	County	Jacks	onville
PLAN DATE:	May 2025	REVIEWED BY:	D. Benn	ett
PREPARED BY:	B. Dowell	REVIEWED BY:		
	REVISIONS		INIT.	DATE

SEAL

O20608

Signed by MGINEER

O20608

OR. BENNINI

O2025

SIGNATURE

DATE

SIG. INVENTORY NO. 03-0896T1

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIGNATURES COMPLETED