

(remove jumpers and set switches as shown)

ON OFF
WD ENABLE
SW2

18 CHANNEL PROGRAM CARD

10-18 11-18 12-18 13-18 14-18 15-18 16-18 17-18 1-18

10-17 11-17 12-17 13-17 14-17 15-17 16-17 17-17 1-17

10-16 11-16 12-16 13-16 14-16 15-16 3-18 2-17 1-16

10-15 11-15 12-15 13-15 14-15 4-18 3-17 2-16 1-15

10-14 11-14 12-14 13-14 5-18 4-17 3-16 2-15 1-14

10-13 11-13 12-13 6-18 5-17 4-16 3-15 2-14 1-13

10-12 11-12 7-18 6-17 5-16 4-15 3-14 2-13 1-12

10-11 8-18 7-17 6-16 5-15 4-14 3-13 2-12 1-11

9-18 8-17 7-16 6-15 5-14 4-13 3-12 2-11 1-10

9-17 8-16 7-15 6-14 5-13 4-12 3-11 2-10 1-9

9-16 8-15 7-14 6-13 5-12 4-11 3-10 2-9 1-8

9-15 8-14 7-13 6-12 5-11 4-10 3-9 2-8 1-7

9-14 8-13 7-12 6-11 5-10 4-9 3-8 2-7 1-6

9-13 8-12 7-11 6-10 5-9 4-8 3-7 2-6 1-5

9-12 8-11 7-10 6-9 5-8 4-7 3-6 2-5 1-4

9-11 8-10 7-9 6-8 5-7 4-6 3-5 2-4 1-3

9-10 8-9 7-8 6-7 5-6 4-5 3-4 2-3 1-2

OFF	ON
○ 10	○ 10
○ 11	○ 11
○ 12	○ 12
○ 13	○ 13
○ 14	○ 14
○ 15	○ 15
○ 16	○ 16
○ 17	○ 17
○ 18	○ 18
○ 1	○ 1
○ 2	○ 2
○ 3	○ 3
○ 4	○ 4
○ 5	○ 5
○ 6	○ 6
○ 7	○ 7
○ 8	○ 8
○ 9	○ 9

COMPONENT SIDE

■ = DENOTES POSITION OF SWITCH

1. 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 plan.
2. Program controller to start up in phase 2 Green No Walk and 6 Green No Walk.
3. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

Controller.....	2070LX
Cabinet.....	332 w/ Aux
Software.....	Q-Free MAXTIME
Cabinet Mount.....	Base
Output File Positions.....	18 With Aux. Output File
Load Switches Used.....	S2, S6, S7, S8, S9, AUX S2 AUX S4, AUX S5
Phases Used.....	2, 4, 4PED, 5, 6, 6PED
Overlap "1".....	NOT USED
Overlap "2".....	*
Overlap "3".....	*
Overlap "4".....	*

[illegible]

NU = Not Used
NC = Not Connected

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

★ See pictorial of head wiring in detail this sheet.

(front view)

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

FS = FLASH SENSE
ST = STOP TIME

[illegible]

★ For the detectors to work as shown on the signal design plan, see the Vehicle Detector Setup Programming Detail for Alternate Phasing on Sheet 2.

INPUT FILE POSITION LEGEND: J2L

FILE J _____
SLOT 2 _____
LOWER _____

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.

For zones 2A, 5A, and 6A install a video detection system 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.

For zone 5A inputs associated with the typical slots for a NCDOT installation are compatible with time of day instructions located on sheet 2 of this electrical details.

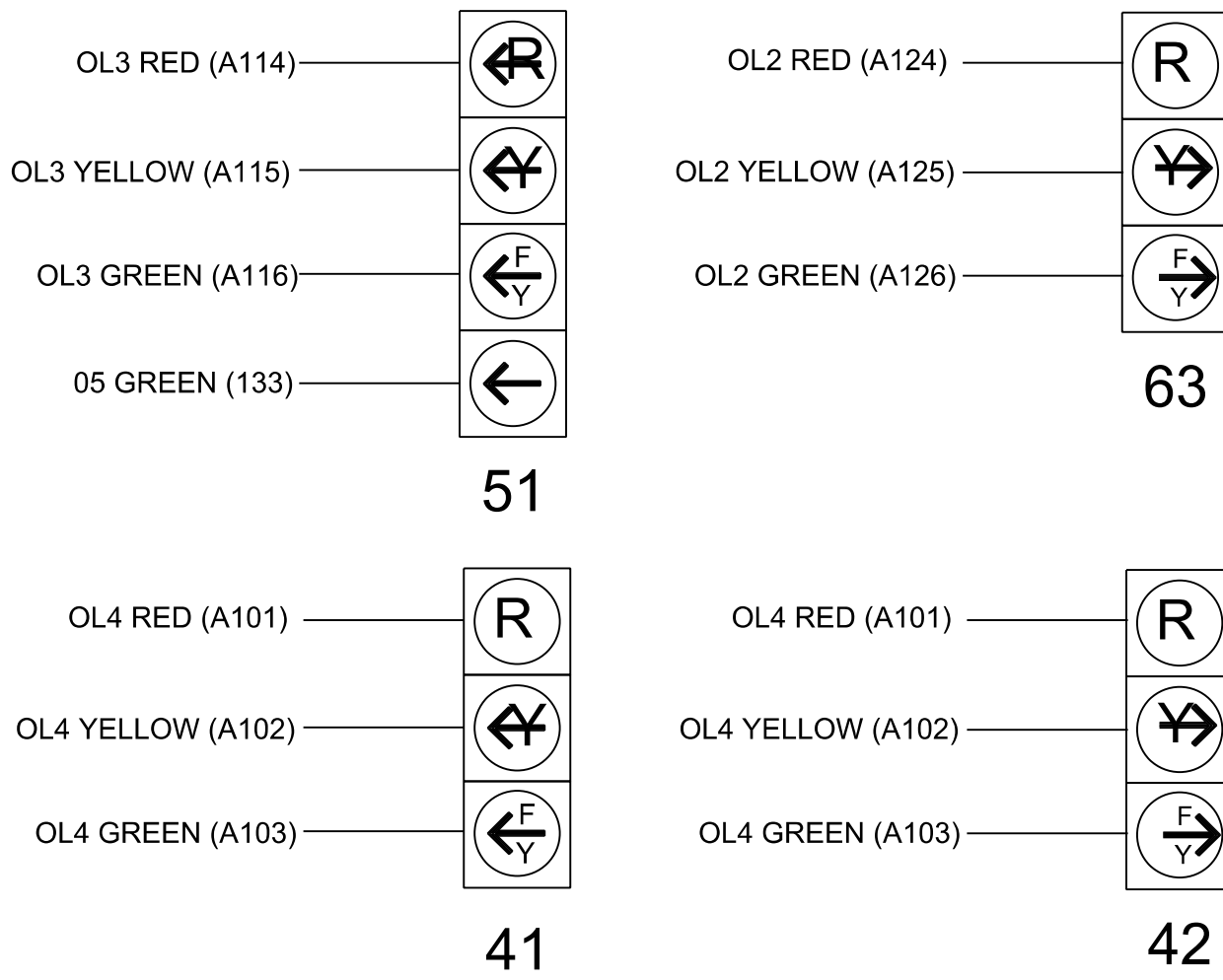
(install resistors as shown)

ACCEPTABLE VALUES	
Value (ohms)	Wattage
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)

Phase 5 Yellow Field
Terminal (132)

AC-

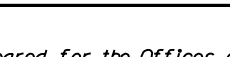
(wire signal heads as shown)



THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-2103T3
DESIGNED: June 2026
SEALED: June 9, 2026
REVISED:

SIGNAL UPGRADE - TEMPORARY DESIGN 3
(CONSTRUCTION PHASE II)
ELECTRICAL DETAIL - SHEET 1 OF 2

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETE**

ELECTRICAL AND PROGRAMMING DETAILS FOR:	SR 2052 (ROGERS RD) AT HERITAGE BRANCH RD	SEAL 																																							
Prepared for the Offices of: 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">DIVISION 5</th> <th style="width: 33%;">WAKE COUNTY</th> <th style="width: 33%;">WAKE FOREST</th> </tr> <tr> <td>PLAN DATE: JUNE 2026</td> <td>REVIEWED BY: DSEARS</td> <td></td> </tr> <tr> <td>PREPARED BY: WPJONES</td> <td>REVIEWED BY:</td> <td></td> </tr> <tr> <td>REVISONS</td> <td>INIT.</td> <td>DATE</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> </table>		DIVISION 5	WAKE COUNTY	WAKE FOREST	PLAN DATE: JUNE 2026	REVIEWED BY: DSEARS		PREPARED BY: WPJONES	REVIEWED BY:		REVISONS	INIT.	DATE																											
DIVISION 5	WAKE COUNTY	WAKE FOREST																																							
PLAN DATE: JUNE 2026	REVIEWED BY: DSEARS																																								
PREPARED BY: WPJONES	REVIEWED BY:																																								
REVISONS	INIT.	DATE																																							
750 N.Greenfield Pkwy,Garner,NC 27529	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="height: 40px; vertical-align: bottom;"> Documented by <i>David J Sears</i> DDG163726267A1E </td> <td style="text-align: right; vertical-align: bottom;"> 6/9/2026 </td> </tr> <tr> <td style="width: 60%;">SIGNATURE</td> <td colspan="2" style="width: 40%;">DATE</td> </tr> <tr> <td colspan="3" style="text-align: right; font-weight: bold;">SIG. INVENTORY NO. 05-2103T3</td> </tr> </table>		Documented by <i>David J Sears</i> DDG163726267A1E		6/9/2026	SIGNATURE	DATE		SIG. INVENTORY NO. 05-2103T3																																
Documented by <i>David J Sears</i> DDG163726267A1E		6/9/2026																																							
SIGNATURE	DATE																																								
SIG. INVENTORY NO. 05-2103T3																																									

6/8/2026
***ad.rkk.com*sfcloud*Projects*2016*16119_Rogers*Design*Tr office*signal*selectrical*Deto:is*052103T3e-20260609.dgn