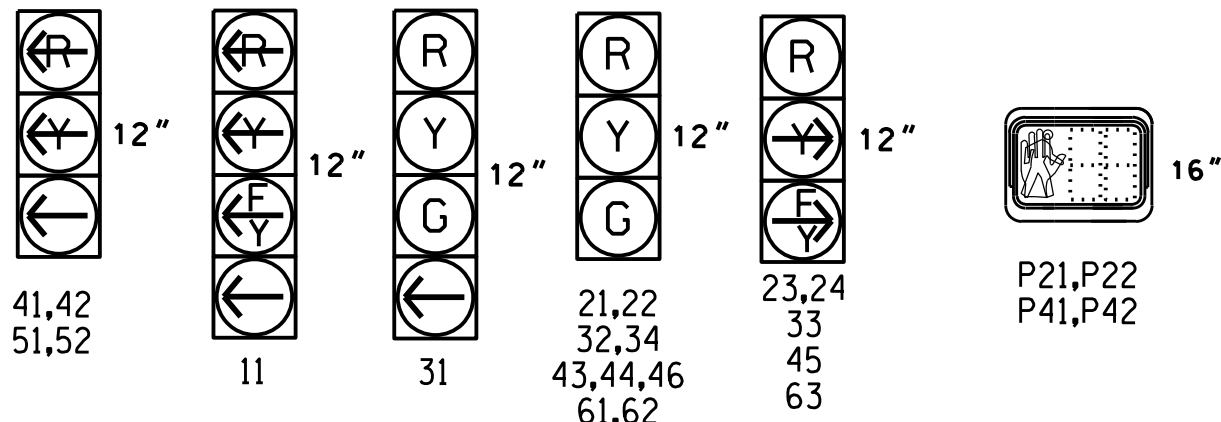


All Heads L.E.D.

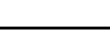


DEFAULT PHASING TABLE OF OPERATION												
SIGNAL FACE	PHASE											
	1 + 5	1 + 6	2 + 5	2 + 6	3	4	P R E 3	P R E 4	P R E 5	P R E 6	F L A S H	
11	←	←	$\frac{F}{Y}$	$\frac{F}{Y}$	$\frac{R}{B}$	$\frac{R}{B}$	$\frac{F}{Y}$	←	$\frac{R}{B}$	$\frac{R}{B}$	$\frac{R}{B}$	
21,22	R	R	G	G	R	R	G	R	R	R	R	
23,24	R	R	$\frac{F}{Y}$	$\frac{F}{Y}$	R	R	$\frac{F}{Y}$	R	R	R	R	
31	R	R	R	R	$\frac{G}{B}$	R	R	$\frac{G}{B}$	R	R	R	
32,34	R	R	R	R	G	R	R	R	G	R	R	
33	$\frac{F}{Y}$	R	$\frac{F}{Y}$	R	$\frac{F}{Y}$	R	R	R	$\frac{F}{Y}$	R	R	
41,42	$\frac{R}{B}$	$\frac{R}{B}$	$\frac{R}{B}$	$\frac{R}{B}$	$\frac{R}{B}$	←	$\frac{R}{B}$	$\frac{R}{B}$	$\frac{R}{B}$	←	$\frac{R}{B}$	
43,44,46	R	R	R	R	R	G	R	R	R	G	R	
45	R	R	R	R	R	$\frac{F}{Y}$	R	R	R	$\frac{F}{Y}$	R	
51,52	←	$\frac{R}{B}$	←	$\frac{R}{B}$	$\frac{R}{B}$	$\frac{R}{B}$	←	$\frac{R}{B}$	$\frac{R}{B}$	$\frac{R}{B}$	$\frac{R}{B}$	
61,62	R	G	R	G	R	R	R	G	R	R	R	
63	R	$\frac{F}{Y}$	R	$\frac{F}{Y}$	$\frac{F}{Y}$	R	R	$\frac{F}{Y}$	R	R	R	
P21,P22	DW	DW	W	W	DW	DW	DW	DW	DW	DW	DRK	
P41,P42	DW	DW	DW	DW	DW	W	DW	DW	DW	DW	DRK	

ALTERNATE PHASING TABLE OF OPERATION											
SIGNAL FACE	PHASE										
	1 + 5	1 + 6	2 + 5	2 + 6	3	4	P R E 3	P R E 4	P R E 5	P R E 6	F L A S H
11	←	←	→	→	→	→	→	←	→	→	→
21,22	R	R	G	G	R	R	G	R	R	R	R
23,24	R	R	<u>F</u>	<u>F</u>	R	R	<u>F</u>	R	R	R	R
31	R	R	R	R	<u>G</u>	→	R	<u>G</u>	→	R	R
32,34	R	R	R	R	G	R	R	R	G	R	R
33	<u>F</u>	R	<u>F</u>	R	<u>F</u>	R	R	R	<u>F</u>	R	R
41,42	→	→	→	→	→	←	→	→	→	←	→
43,44,46	R	R	R	R	R	G	R	R	R	G	R
45	R	R	R	R	R	<u>F</u>	R	R	R	<u>F</u>	R
51,52	←	→	←	→	R	→	←	→	→	→	→
61,62	R	G	R	G	R	R	R	G	R	R	R
63	R	<u>F</u>	R	<u>F</u>	<u>F</u>	R	R	<u>F</u>	R	R	R
P21,P22	DW	DW	W	W	DW	DW	DW	DW	DW	DW	DRK
P41,P42	DW	DW	DW	DW	DW	W	DW	DW	DW	DW	DRK

- ## 6 Phase Fully Actuated w/ EV Preemption Jacksonville City Signal System
- ### NOTES
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024, "Standard Specifications for Roads and Structures" dated January 2024.
 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
 3. Phase 1 and/or phase 5 may be lagged.
 4. The order of phase 3 and phase 4 may be reversed.
 5. Reposition existing signal heads numbered 11, 31, 41, and 43.
 6. Reposition head 33 and renumber as 34.
 7. Set all detector units to presence mode.
 8. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
 9. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
 10. Remove existing signs R3-5L, R3-6L, R3-6R, and R10-16.
 11. To provide a leading pedestrian interval on phases 2 and 4, program FYA heads 11, 23, 24, and 45 to delay 7.0 seconds after the start of the phase 2 or 4 WALK interval. See Electrical Details for programming.
 12. This intersection features an optical preemption system. Shown locations of optical detectors are conceptual only.
 13. The Division (City) Traffic Engineer will determine the hours of use for each phasing plan.
 14. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
 15. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



Project #: 230907



DAVENPORT

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Signal Upgrade - Sheet 2 of 2

<p style="text-align: center;">Prepared For:</p>  <p style="text-align: center;">750 N. Greenfield Pkwy, Garner, NC 27529</p>	<p>NC 53(Western Boulevard) at SR 2714(Jacksonville Parkway) / Gateway North</p> <p>Division 03 Onslow County Jacksonville</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PLAN DATE: May 2025</td> <td style="width: 50%;">REVIEWED BY: L. Boyer</td> </tr> <tr> <td>PREPARED BY: J. Dollarhite</td> <td>REVIEWED BY:</td> </tr> </table>	PLAN DATE: May 2025	REVIEWED BY: L. Boyer	PREPARED BY: J. Dollarhite	REVIEWED BY:	<p>SEAL</p>  <p style="text-align: right;">07/07/2025</p>																																	
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