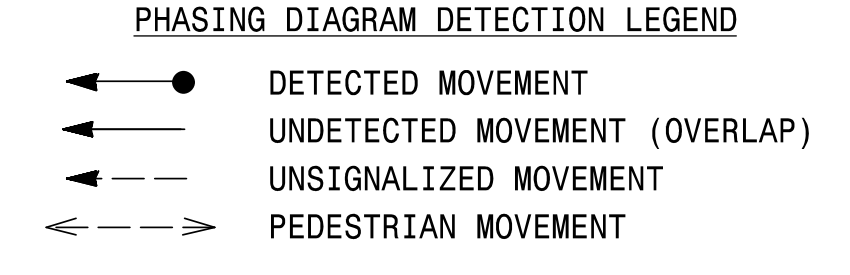
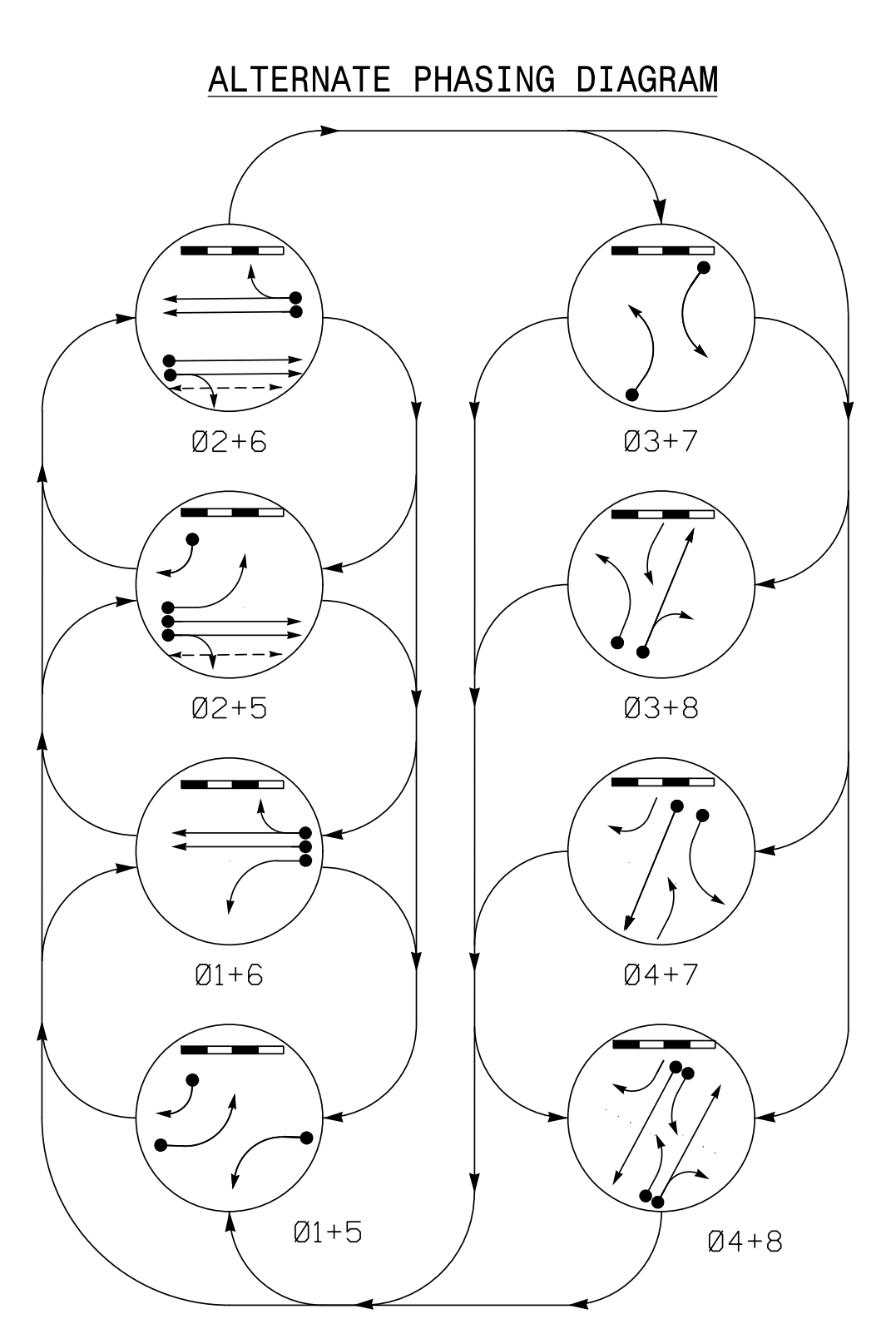
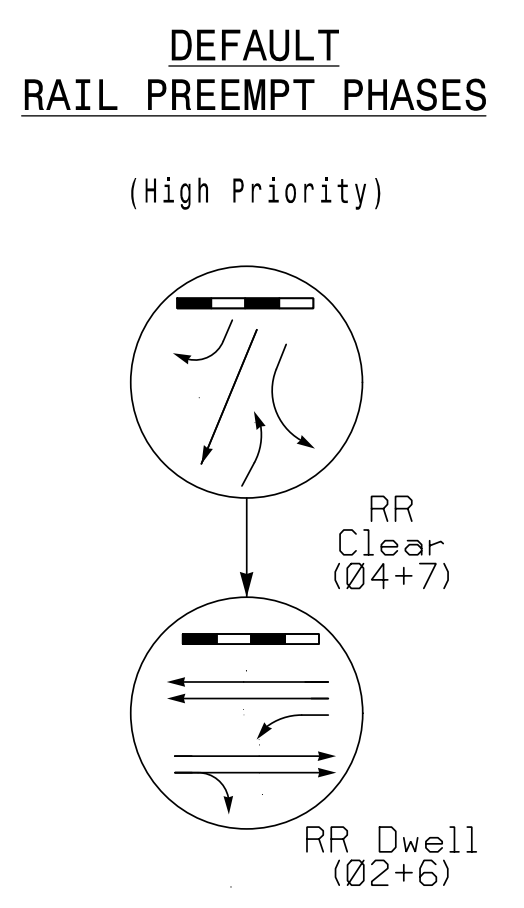


DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE												
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8	RR Clear (04+7)	RR Dwell (02+6)	FL	SH	
11	←	←	←	←	←	←	←	←	←	←	←	←	
21, 22	R	R	G	G	R	R	R	R	R	G	Y		
31	←	←	←	←	←	←	←	←	←	←	←	←	
41, 43	R	R	R	R	R	R	G	G	G	R	R		
42	R	R	R	R	R	R	G	G	G	R	R		
51	←	←	←	←	←	←	←	←	←	←	←	←	
61, 62	R	G	R	G	R	R	R	R	R	G	Y		
71	←	←	←	←	←	←	←	←	←	←	←	←	
81, 82	R	R	R	R	R	G	R	G	R	R	R		
P21, P22	DW	DW	W	W	DW	DW	DW	DW	DW	DRK			
SIGN (A)	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	*	

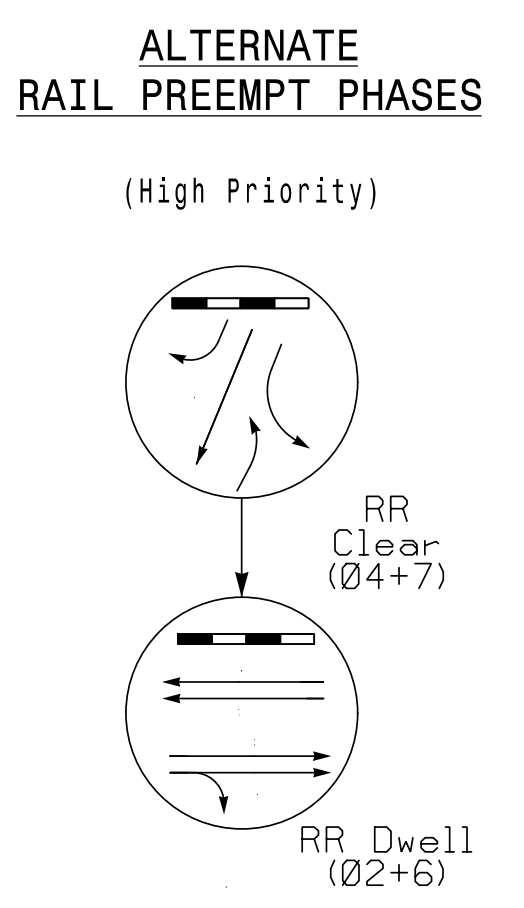
* SEE NOTE 12



ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE												
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8	RR Clear (04+7)	RR Dwell (02+6)	FL	SH	
11	←	←	←	←	←	←	←	←	←	←	←	←	
21, 22	R	R	G	G	R	R	R	R	R	G	Y		
31	←	←	←	←	←	←	←	←	←	←	←	←	
41, 43	R	R	R	R	R	R	G	G	G	R	R		
42	R	R	R	R	R	R	G	G	G	R	R		
51	←	←	←	←	←	←	←	←	←	←	←	←	
61, 62	R	G	R	G	R	R	R	R	R	G	Y		
71	←	←	←	←	←	←	←	←	←	←	←	←	
81, 82	R	R	R	R	R	G	R	G	R	R	R		
P21, P22	DW	DW	W	W	DW	DW	DW	DW	DW	DRK			
SIGN (A)	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	*	

* SEE NOTE 12



8 Phase Fully Actuated w/ Alternate Phasing Operation and Railroad Preemption Gastonia Signal System

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. This location contains railroad preemption phasing. Do not program for late night flashing operation.
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Set all detector units to presence mode.
6. In the event of loop replacement, refer to the current ITS and Signal Design Manual and submit a Plan of Record to the Signal Design Section.
7. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
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. This intersection uses Microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
11. Pavement markings are existing.
12. Ensure flashing operation does not alter operation of blackout sign.
13. The City Engineer or their representative will determine the hours of use for each phasing plan.
14. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
15. Disconnect and abandon existing loops 2C, 2D, 6C, and 6D.
16. Install new cabinet on the existing cabinet foundation.
17. All new cabinets and base extenders shall be black in color. See Project Special Provisions for details.
18. All proposed pedestrian signal heads shall be black in color. See Project Special Provisions for details.
19. All proposed pedestrian pedestals and pushbutton posts shall be black in color. See Project Special Provisions for details.
20. Reconnect lead-in cable to separate loops 2A, 2B, 6A, & 6B, as shown.
21. City of system data:
Controller Asset #0335.

3/9/2022 11:14:10 AM Dantelle.Curri ***K:\meyer-horn.com\SE_RAL\MRAL_TPIDK_LTS\011036569_Gastonia Signal System\Signal Design Section\Signal Design Section.dgn

Signal Upgrade - Sheet 2 of 2

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	Prepared For: NC 274 (Bessemer City Road) at SR 1334 (Jenkins Dairy Road) / SR 1135 (Shannon Bradley Road) Division 12 Gaston County Gastonia		
	PLAN DATE: May 2021 PREPARED BY: DM Curri	REVIEWED BY: SL Phillips REVIEWED BY: KP Baumann	