



ALTERNATE PHASING ABLE OF OPERATION												
	PHASE											
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R	R	R	R	R	G	G	R	R
R R	R R	R R	R R	R R			R R	R R
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## DETECTOR INSTALLATION CHART

DETECTOR				PROGRAMMING								
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	ТҮРЕ	SYSTEM LOOP	NEW CARD
1A	6X60	+5	2-4-2	- I	1	Yes	-	10*	-	Ν	-	Х
					6#	Yes	-	ß	-	G	-	Х
2A	6X6	300	EXIST	-	2	Yes	-	-	Х	Ν	-	Х
2B	6X6	300	EXIST	1	2	Yes	-	-	Х	N	1	Х
4A	6X60	+5	2-4-2	-	4	Yes	-	10	-	Ν	-	Х
5A	6X60	+5	2-4-2		5	Yes		10*	-	N	1	Х
					2 #	Yes	-	3	-	G	-	Х
6A	6X6	300	EXIST	1	6	Yes	-	-	Х	N	-	Х
6B	6X6	300	EXIST	I	6	Yes	-	I	Х	Ν	1	Х
7A	6X60	+5	2-4-2	· -	7	Yes	-	15	-	N	-	Х
					1	Yes	-	3	-	Ν	-	Х
8A	6X40	0	2-4-2	-	8	Yes	-	5	-	N	-	Х

\* Reduce Delay to 3 seconds during Alternate Phasing operation. # Disable Phase call for loop during Alternate Phasing operation.

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#### PROJECT REFERENCE NO. SHEET NO. C-5703 Sig.2.0

#### 6 Phase Fully Actuated w/ Railroad Preemption and Alternate Phasing Operation 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. Omit phase 7 during phase 8 on.
- 4. Phase 1 and/or phase 5 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. Remove existing "No Left Turn Train" LED Blankout sign.
- 11. Pavement markings are existing. 12. Ensure flashing operation does not alter operation of
- blankout signs. 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. City system data:
  - Controller Asset #0012.

# <u>LEGEND</u>

