

DocuSign Envelope ID: F58B15C2-40E6-45BE-9C45-A2A9EFAC85F4

PHASING DIAGRAM	ALTERNATE PHASING TABLE OF OPERATION			ECTO	R IN	STA	٩LL						
	$\begin{array}{c c} & & & \\ \hline \\ SIGNAL & 0 & 0 & F \\ 2 & 2 & 0 & L \\ FACE & + & + & 4 & A \\ 5 & 6 & H \end{array}$	LOOP	SIZE (FT)	ECTOR DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	HASE	SNI E		DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP
	21, 22 G G R Y	2 A	6X6	300	EXIST	· · · ·		Yes	_	_	Х	Ν	-
Ø 4	41 R R G R	2 B	6X6	300	EXIST			Yes	-	- - 7	Х	N	-
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4 A 5 A	6X60 6X60	0	2-4-2 2-4-2		5	Yes Yes Yes	-	3 15*	-	N N N	-
	61, 62 R G R Y	5 B	6X60	0	2-4-2	<u> </u>		Yes	_	15	_	N	_
		6 A	6X6	300	EXIST			Yes	_	-	Х		-
		6 B	6X6	300	EXIST	-	6	Yes	-	-	Х	Ν	-
Ø2+5		* Disabl # Disabl	e Delay du e Phase ca	uring Alte all for lo	rnate Pha op during	sing (Alte	operat rnate	tion Phasin	ng operat	tion.			
12" SR 2446 (Robinwood R	$\begin{array}{c} & & & \\ & & & & \\ & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ &$	+2% Grade	Disc Loop = = = = =	connect os 6C & =====	& Abar 6D	don 	Exis	sting	= = = =				
SR 2446 (no.		← []										6B 6A	
() () () () () () () () () () () () () ($\begin{array}{c} 21 & -9 \\ 42 & 41 \\ 22 & -9 \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	======================================	====	====	====	==		===:		1			1



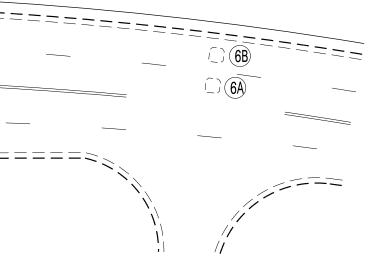
PROJECT REFERENCE NO. SHEET NO. C-5703 Sig.100.0

3 Phase Fully Actuated w/ 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. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Reposition existing signal head numbered 22.
- 4. Set all detector units to presence mode.
- 5. 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.
- 6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 7. Remove existing "Left Turn Yield on Green" ball sign-(R10-12).
- 8. Pavement markings are existing.
- 9. The City Engineer or their representative will determine the hours of use for each phasing plan.
- 10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- 11. Disconnect and abandon existing loops 2C, 2D, 6C, and 6D.
- 12. Install new cabinet on the existing cabinet foundation.
- 13. All new cabinets and base extenders shall be black in color. See Project Special Provisions for details.
- 14. City system data:

Controller Asset #1209.



LEGEND <u>EXISTING</u> <u>PROPOSED</u> Traffic Signal Head $\bigcirc \rightarrow$ ●→ Modified Signal Head ●→ N/A Sign \rightarrow -+r h Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy ()•----• Signal Pole with Sidewalk Guy -Inductive Loop Detector L_____ \square Controller & Cabinet Junction Box ------ 2-in Underground Conduit _----Right of Way N/A _____ \longrightarrow Directional Arrow \longrightarrow $\langle A \rangle$ Street Name Sign (D3-1) (A)

Signal Upgrade				DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
Prepared For: Nobility and	SR 2446 (Rob Hoffmar a		/	CARO AROFESSION AL
	SR 2457 (ROb Division 12 Gastor PLAN DATE: May 2021		astonia	SEAL 044434
7 Design 5 750 N.Greenfield Pkwy,Garner,NC 27529		REVIEWED BY: KP Bau		P. BAUNIN
O 40	REVISIONS	INIT.	DATE	DocuSigned by: Ken Barran 3/11/2022
<i>N</i> <u>1″=40′</u>				SIGNATURE DATE