

other phases should not be lower than 4 seconds.

## 8 Phase Fully Actuated (Raleigh Signal System)

PROJECT REFERENCE NO.	SHEET NO.
P-5715	Sig. 4.0

## NOTES

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С	CABINET									
DR	DR PROGRAMMING									
(	OPERATION MODE							PS	STA	TUS
1	2	3	4	5	6	7	т	8		(5
PEDESTRIAN	1 CALL	STOP A	STOP B	PROT/PER LEFT	PROT/PER THROUGH	AND	SWITCH	SYSTEM LOOPS	MEW	EXISTING
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- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "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. Phase 3 and/or phase 7 may be lagged.
- 5. Reposition existing signal head numbered 81.
- 6. Set all detector units to presence mode.
- 7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 9. Replace existing pedestrian pushbuttons with new APS pushbutton on each pedestal or signal pole.
- 10. This intersection features accessible pedestrian signals utilizing percussive tone walk indications and/or speech messages.
- 1 11. Phase 3 and phase 4 or 6 pedestrian timing is designed as a 2 stage crossing when crossing the median island. The FDW time shown is only intended to get a pedestrian to/from the island during a single crossing. Install R10-3d signs as appropriate.
  - 12. Illuminate sign D at the beginning of the Ped 3 "Walk" interval. This sign will remain illuminated until the end of the Ped 3 flashing "Don't Walk" interval.
  - 13. Remove existing Right Arrow "ONLY" (R3-5R) and "RIGHT LANE MUST TURN RIGHT" (R3-7R) signs.
  - 14. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

## I FGFND

	LEGEND				
SAGE	PROPOSED	EXISTING			
	○→ Traffic Signal Head	●→			
(one)	●→ Modified Signal Head	N/A			
w Hope Church	- Sign				
(one)					
lope Church Ramp	└┘ Pedestrian Signal Head ▼	¥			
o cross New Hope Church Ramp	Signal Pole with Guy	•			
lope Church Ramp	Signal Pole with Sidewalk Guy				
[one)	Inductive Loop Detector				
s Atlantic	Controller & Cabinet	к Л К Л			
to cross Atlantic	Junction Box				
s Atlantic	2-in Underground Conduit -				
to cross New Hope Church	N/A Right of Way -				
w Hope Church	> Directional Arrow	$\rightarrow$			
(one)	N/A Curb Ramp				
w Hope Church	— DD — Directional Drill	N/A			
Tone)	Type II Signal Pedestal				
s Atlantic					
nal Upgrade -	Final Design	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Prepared For:	Atlantic Avenue	SEAL			
Nobility and					
NORTH CAROLAND	at de la company	NI & SEESSIO			
	New Hope Church Road				
	Division 5 Wake County Raleigh	SEAL = 026486 = 5			
Design Section	PLAN DATE: February 2023 REVIEWED BY:				
eenfield Pkwy,Garner,NC 27529		P 1 1			
SCALE 10	REVISIONS INIT. DATE				
0 40		18984866274A494 8/30/2023 DATE			
1 "=40'		<u>18984866274A494</u> DATE SIG. INVENTORY NO. R - 0434			