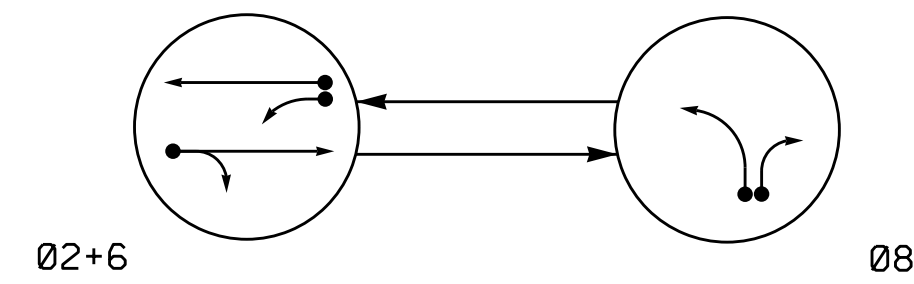


PHASING DIAGRAM



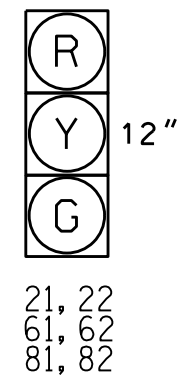
**PHASING DIAGRAM DETECTION LEGEND**  
 ● ← DETECTED MOVEMENT  
 ← UNDETECTED MOVEMENT (OVERLAP)  
 - - - UNSIGNALIZED MOVEMENT  
 ← - - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	08	FLASH
21,22,23	G	R	Y
61,62	G	R	Y
81,82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



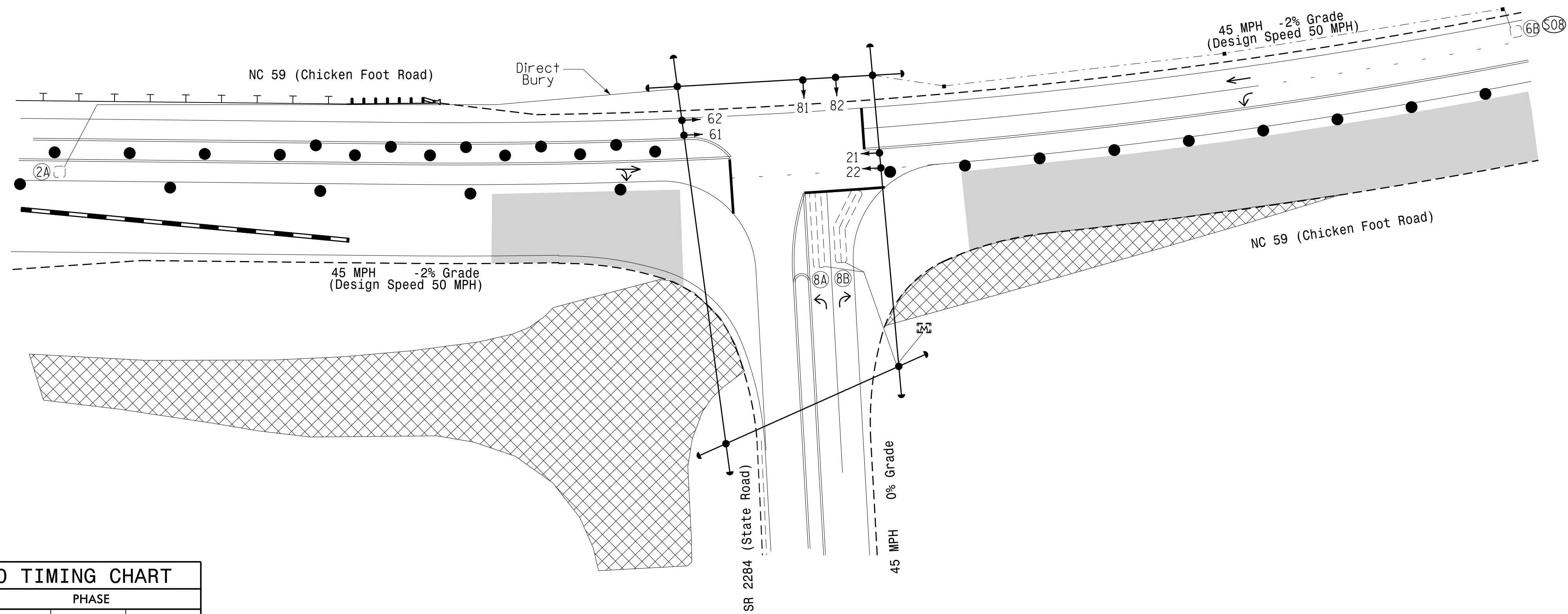
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	355	6	-	2	Y	Y	-	-	-	-	-
6B/S08	6X6	350	6	-	6	Y	Y	-	-	-	Y	-
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	3	-	-
8B	6X40	0	2-4-2	-	8	Y	Y	-	-	15	-	-

2 Phase Fully Actuated NC 59 Closed Loop System

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data: Master Asset #10614 Controller Asset #0955.



OASIS 2070 TIMING CHART

FEATURE	PHASE		
	2	6	8
Min Green 1 *	14	14	7
Extension 1 *	6.0	6.0	2.0
Max Green 1 *	90	90	25
Yellow Clearance	5.0	5.0	3.0
Red Clearance	1.0	1.1	2.3
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	2.5	2.5	-
Max Variable Initial *	40	40	-
Time Before Reduction *	15	15	-
Time To Reduce *	30	30	-
Minimum Gap	3.0	3.0	-
Recall Mode	MIN RECALL	MIN RECALL	-
Vehicle Call Memory	YELLOW	YELLOW	-
Dual Entry	-	-	-
Simultaneous Gap	ON	ON	ON

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

PROPOSED	EXISTING
○ → Traffic Signal Head	● → N/A
● → Modified Signal Head	— Sign
⊥ Pedestrian Signal Head With Push Button & Sign	⊥ Signal Pole with Guy
○ ⊥ Signal Pole with Sidewalk Guy	● ⊥ Inductive Loop Detector
⊠ Master Controller & Cabinet	⊠ Junction Box
— 2-in Underground Conduit	— Right of Way
→ Directional Arrow	● Construction Zone Drums
— Concrete Barrier	— Construction Zone

Signal Upgrade - Temp 3 (Phase II-4)

Prepared in the Offices of:  
 Transportation Mobility and Safety Solutions  
 STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 Signal Design Section

750 N. Greenfield Pkwy, Garner, NC 27529

NC 59 (Chicken Foot Road) at I-95 Bus. / US 301 NB Ramps / SR 2284 (State Road)

Division 6 Cumberland County Hope Mills

PLAN DATE: October 2017 REVIEWED BY: ZML

PREPARED BY: Meghan LeBlanc REVIEWED BY:

SCALE: 1" = 40'

REVISIONS: INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL: STATE OF NORTH CAROLINA PROFESSIONAL ENGINEER MEGHAN E. LEBLANC ENGINEER 042608

DocuSigned by: Meghan E. LeBlanc 11/28/2017

SIG. INVENTORY NO. 06-095513