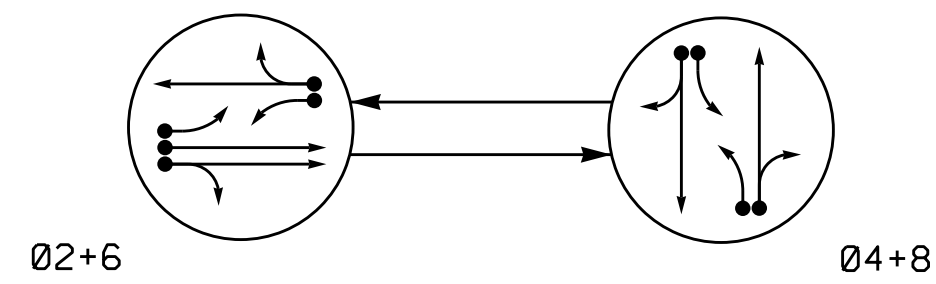


PHASING DIAGRAM



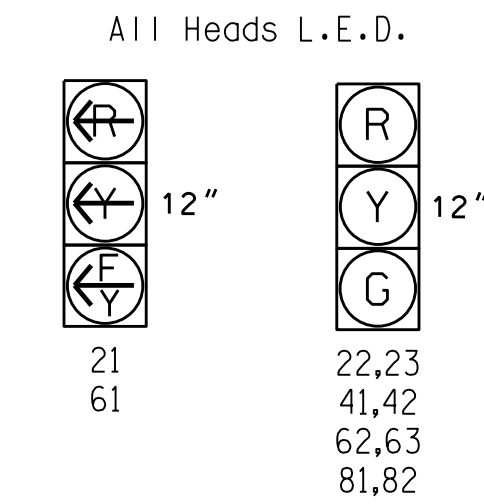
PHASING DIAGRAM DETECTION LEGEND

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- ←---→ UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04+8	FLASH
21	Y	Y	Y
22,23	G	R	Y
41,42	R	G	R
61	Y	Y	Y
62,63	G	R	Y
81,82	R	G	R

SIGNAL FACE I.D.



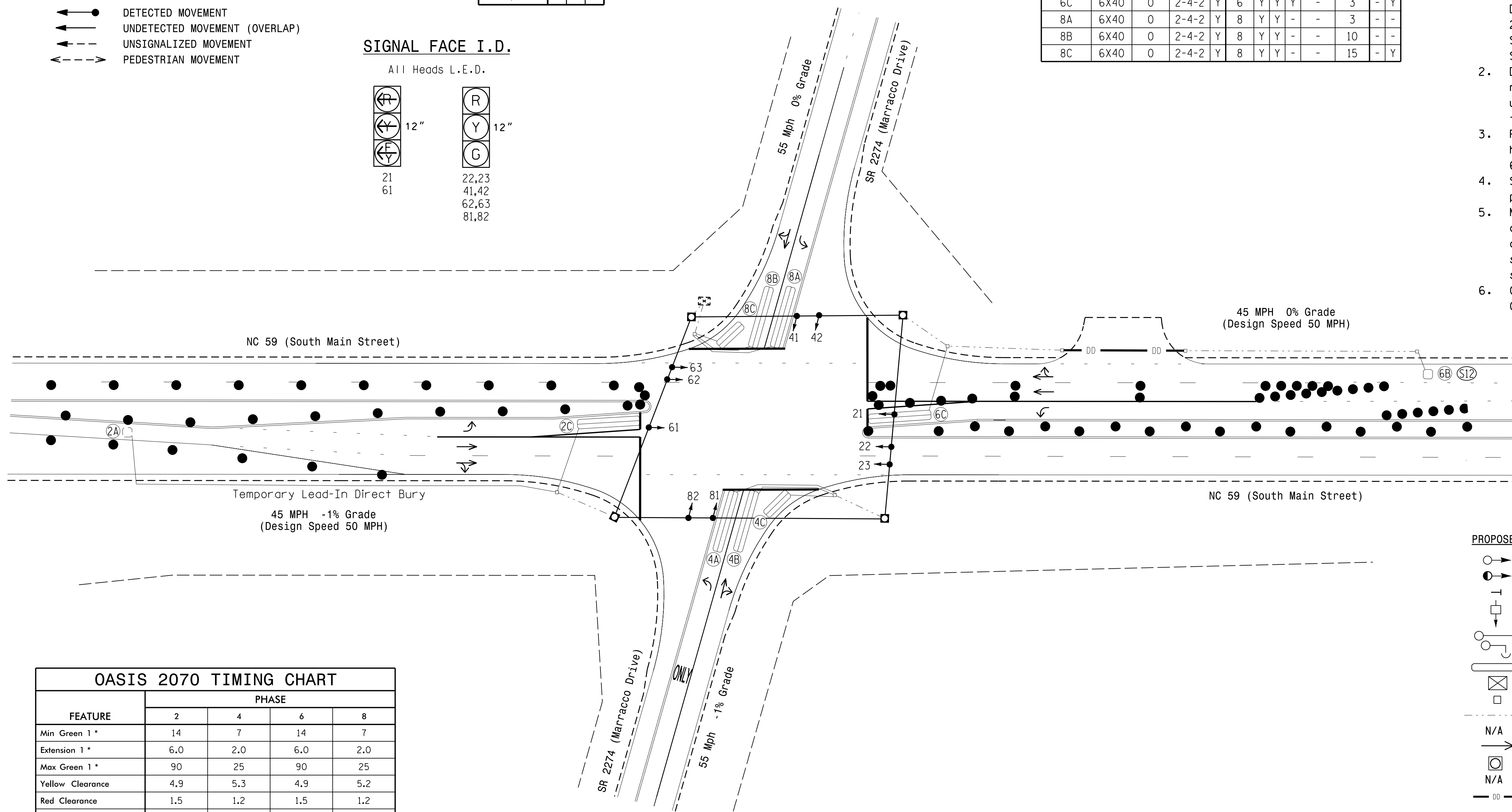
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

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	325	5	-	2	Y	Y	-	-	-	-	-
2C	6X40	0	2-4-2	Y	2	Y	Y	Y	-	3	-	Y
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	3	-	-
4B	6X40	0	2-4-2	Y	4	Y	Y	-	-	10	-	-
4C	6X40	0	2-4-2	Y	4	Y	Y	-	-	15	-	Y
6B/S12	6X6	355	6	Y	6	Y	Y	-	-	-	Y	Y
6C	6X40	0	2-4-2	Y	6	Y	Y	Y	-	3	-	Y
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	3	-	-
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	10	-	-
8C	6X40	0	2-4-2	Y	8	Y	Y	-	-	15	-	Y

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.
- Reposition existing signal heads numbered 21,22,23 61,62,and 63.
- 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: Controller Asset # 1356.



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	14	7	14	7
Extension 1 *	6.0	2.0	6.0	2.0
Max Green 1 *	90	25	90	25
Yellow Clearance	4.9	5.3	4.9	5.2
Red Clearance	1.5	1.2	1.5	1.2
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	1.5	-	1.5	-
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	-	ON	-	ON
Simultaneous Gap	ON	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 Traffic Signal Head		EXISTING Traffic Signal Head
	PROPOSED Modified Signal Head		EXISTING N/A
	PROPOSED Pedestrian Signal Head With Push Button & Sign		EXISTING N/A
	PROPOSED Signal Pole with Guy		EXISTING
	PROPOSED Signal Pole with Sidewalk Guy		EXISTING
	PROPOSED Inductive Loop Detector		EXISTING
	PROPOSED Controller & Cabinet		EXISTING
	PROPOSED Junction Box		EXISTING
	PROPOSED 2-in Underground Conduit		EXISTING
	PROPOSED Right of Way		EXISTING
	PROPOSED Directional Arrow		EXISTING
	PROPOSED Metal Strain Pole		EXISTING
	PROPOSED Construction Zone Drums		EXISTING
	PROPOSED Directional Drill		EXISTING N/A

New Installation- Temp 2 (Phase II)

750 N. Greenfield Pkwy, Garner, NC 27529

NC 59 (South Main Street) at SR 2274 (Marracco Drive)

Division 6 Cumberland County Hope Mills

PLAN DATE: October 2017 REVIEWED BY: MEL

PREPARED BY: Jeff Spence REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

MEGHAN E. BLAIR ENGINEER

11/28/2017

SIG. INVENTORY NO. 06-135612

REVISIONS	INIT.	DATE