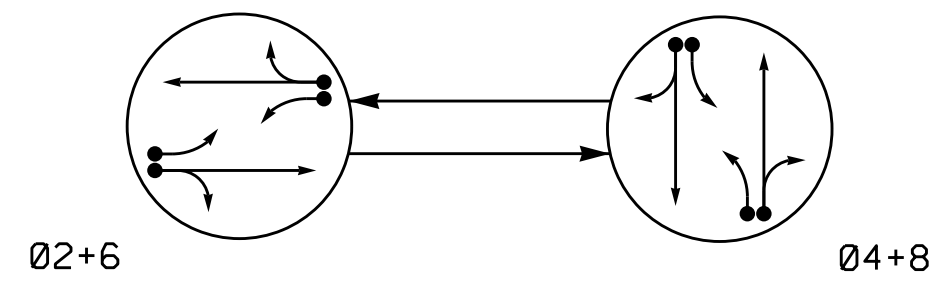


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

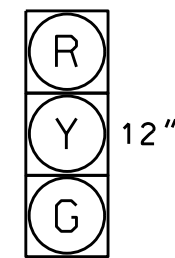
- ◄● DETECTED MOVEMENT
- ◄ UNDETECTED MOVEMENT (OVERLAP)
- ◄--- UNSIGNALIZED MOVEMENT
- ◄--- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

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

SIGNAL FACE I.D.

All Heads L.E.D.



21, 22
41, 42
61, 62
81, 82

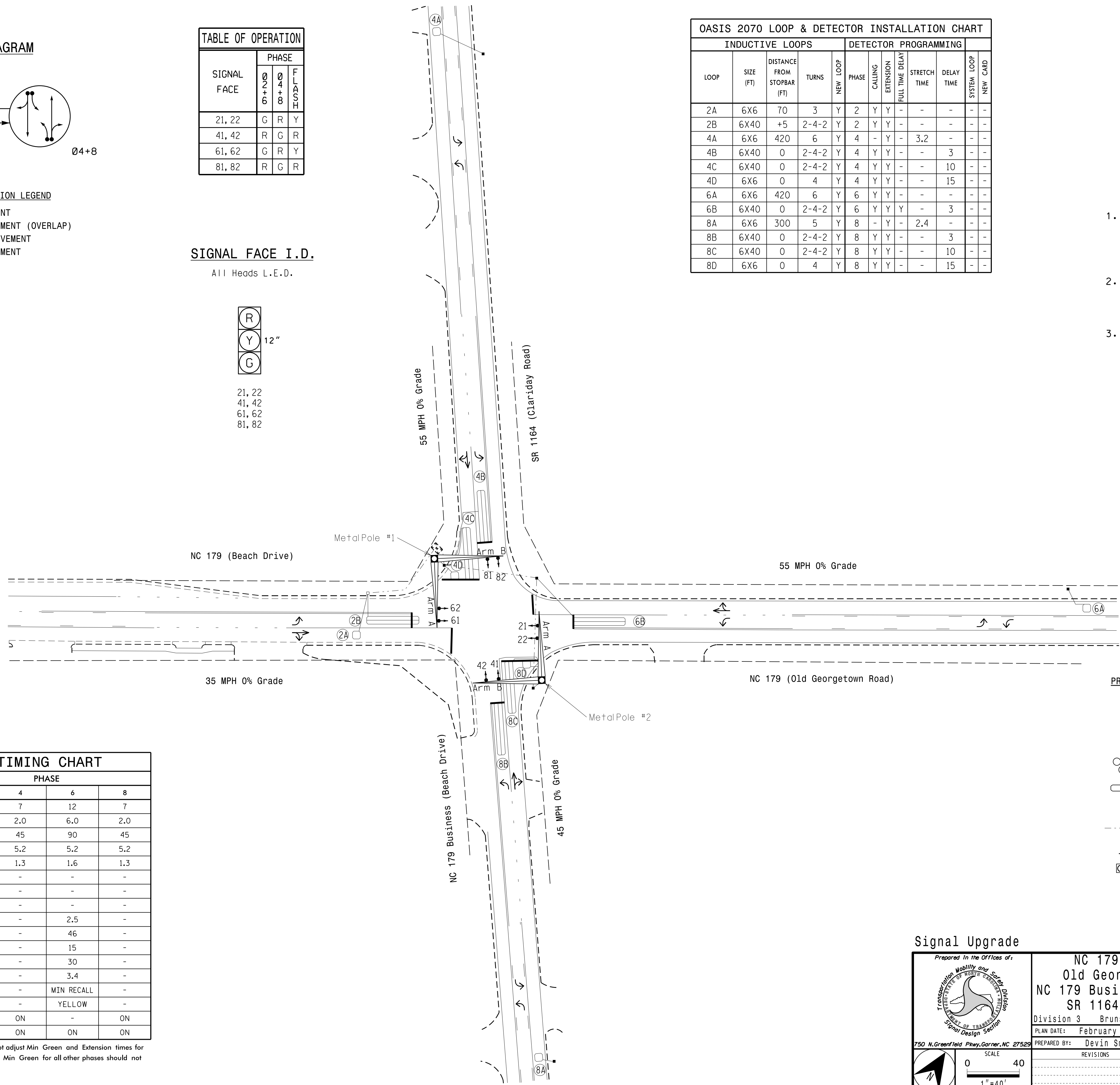
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	INDUCTIVE LOOPS		DETECTOR PROGRAMMING							
		DISTANCE FROM STOPBAR (FT)	TURNS	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	70	3	Y	2	Y	Y	-	-	-	-
2B	6X40	+5	2-4-2	Y	2	Y	Y	-	-	-	-
4A	6X6	420	6	Y	4	-	Y	-	3.2	-	-
4B	6X40	0	2-4-2	Y	4	Y	Y	-	-	3	-
4C	6X40	0	2-4-2	Y	4	Y	Y	-	-	10	-
4D	6X6	0	4	Y	4	Y	Y	-	-	15	-
6A	6X6	420	6	Y	6	Y	Y	-	-	-	-
6B	6X40	0	2-4-2	Y	6	Y	Y	Y	-	3	-
8A	6X6	300	5	Y	8	-	Y	-	2.4	-	-
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	3	-
8C	6X40	0	2-4-2	Y	8	Y	Y	-	-	10	-
8D	6X6	0	4	Y	8	Y	Y	-	-	15	-

2 Phase Fully Actuated Isolated

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	12	7	12	7
Extension 1 *	3.0	2.0	6.0	2.0
Max Green 1 *	90	45	90	45
Yellow Clearance	5.2	5.2	5.2	5.2
Red Clearance	1.6	1.3	1.6	1.3
Red Revert	-	-	-	-
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	2.5	-
Max Variable Initial *	-	-	46	-
Time Before Reduction *	-	-	15	-
Time To Reduce *	-	-	30	-
Minimum Gap	-	-	3.4	-
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	EXISTING
	N/A
N/A	

Signal Upgrade

Prepared In the Offices of:

 TRANSPORTATION MOBILITY AND SAFETY SOLUTIONS, INC.
 ENGINEERS OF TRANSPORTATION SIGNAL DESIGN SECTION
 750 N. Greenfield Pkwy, Garner, NC 27529

NC 179 (Beach Drive/ Old Georgetown Road) at NC 179 Business (Beach Drive)/ SR 1164 (Clariday Road)

Division 3 Brunswick County Calabash

PLAN DATE: February 2016 REVIEWED BY: JPG/PLA

PREPARED BY: Devin Smith REVIEWED BY:

REVISIONS

INIT. DATE

SCALE 0 40
1" = 40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023489
 ALEXANDER
 3/14/16
 DATE
 SIG. INVENTORY NO. 03-0535

09-000-2016-10-17
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