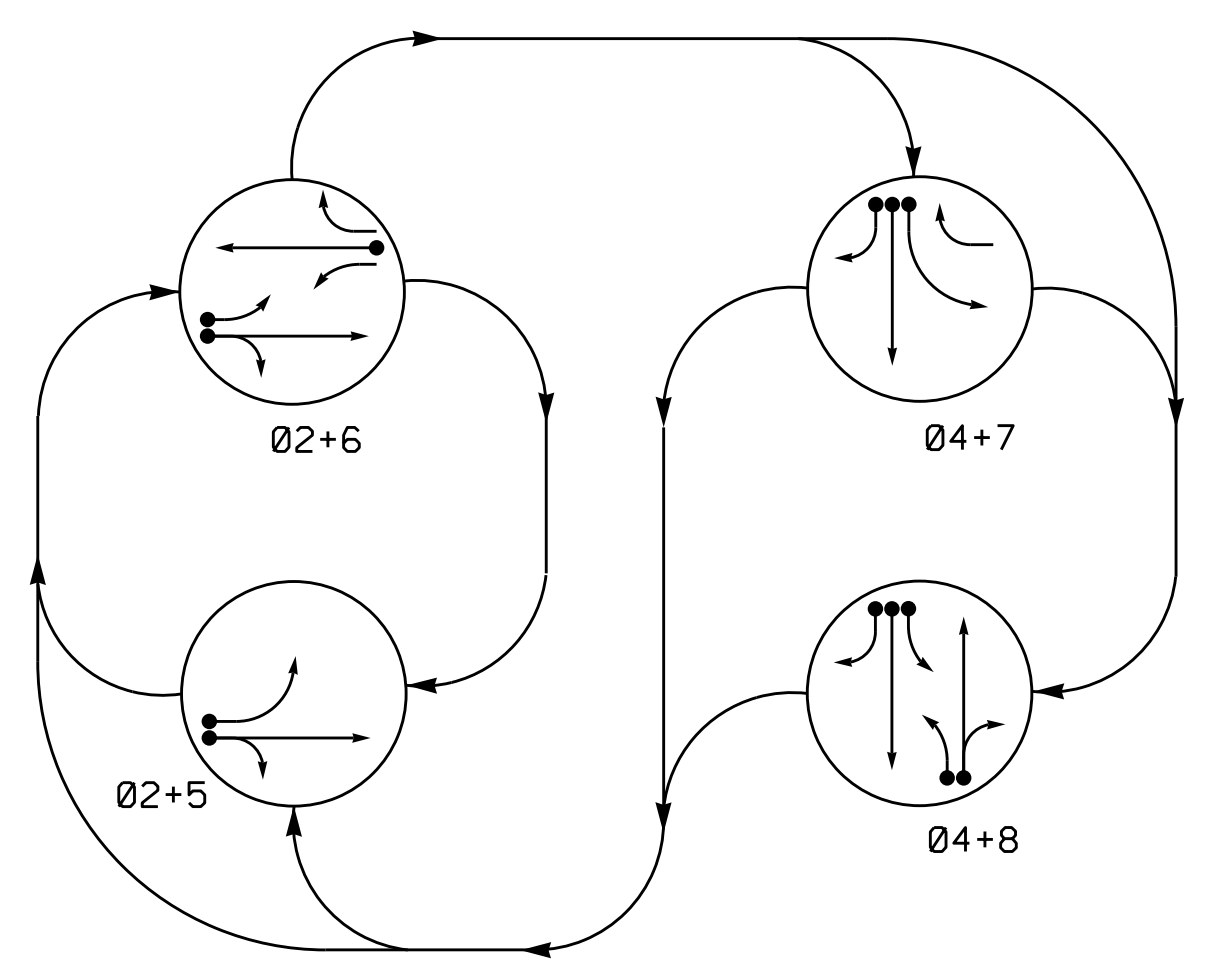


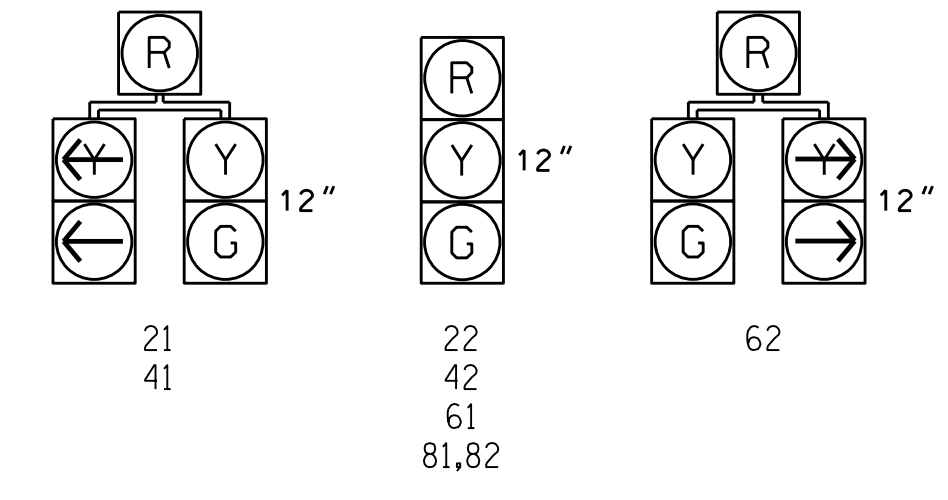
PHASING DIAGRAM



SIGNAL FACE	PHASE				
	02+5	02+6	04+7	04+8	F
21	G	R	R	Y	
22	G	R	R	Y	
41	R	R	G	R	
42	R	R	G	R	
61	R	G	R	Y	
62	R	G	R	Y	
81,82	R	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



PHASING DIAGRAM DETECTION LEGEND

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

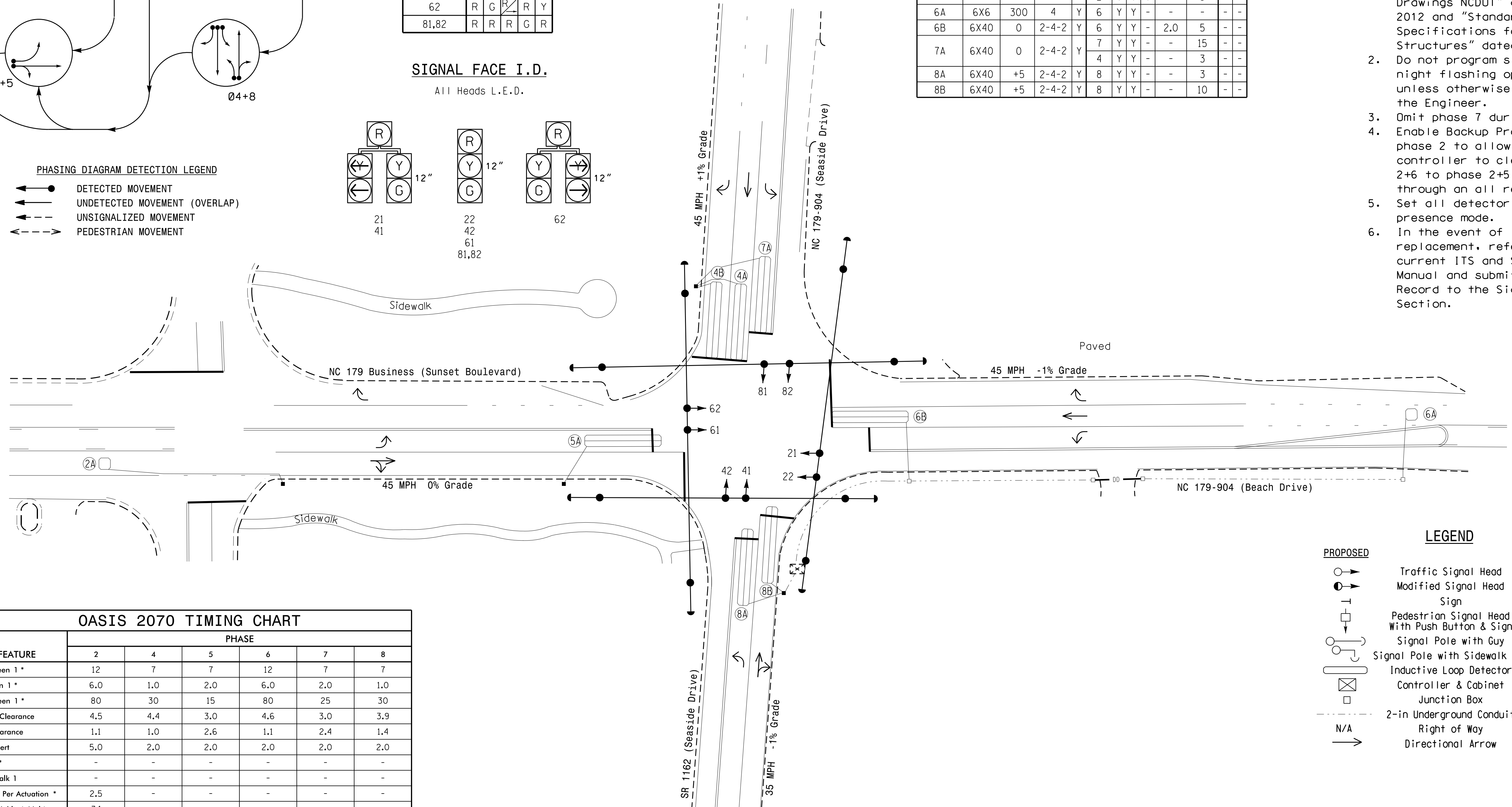
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	300	5	Y	2	Y	Y	-	-	-	-	-
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	-	-	-
4B	6X40	0	2-4-2	Y	4	Y	Y	-	-	15	-	-
5A	6X40	+5	2-4-2	Y	5	Y	Y	-	-	15	-	-
6A	6X6	300	4	Y	6	Y	Y	-	-	-	-	-
6B	6X40	0	2-4-2	Y	6	Y	Y	-	2.0	5	-	-
7A	6X40	0	2-4-2	Y	7	Y	Y	-	-	15	-	-
8A	6X40	+5	2-4-2	Y	8	Y	Y	-	-	3	-	-
8B	6X40	+5	2-4-2	Y	8	Y	Y	-	-	10	-	-

4 Phase Fully Actuated Isolated

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Omit phase 7 during phase 8 on.
4. Enable Backup Protect for phase 2 to allow the controller to clear from phase 2+6 to phase 2+5 by progressing through an all red display.
5. Set all detector units to presence mode.
6. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.



FEATURE	PHASE					
	2	4	5	6	7	8
Min Green 1 *	12	7	7	12	7	7
Extension 1 *	6.0	1.0	2.0	6.0	2.0	1.0
Max Green 1 *	80	30	15	80	25	30
Yellow Clearance	4.5	4.4	3.0	4.6	3.0	3.9
Red Clearance	1.1	1.0	2.6	1.1	2.4	1.4
Red Revert	5.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation *	2.5	-	-	-	-	-
Max Variable Initial *	34	-	-	-	-	-
Time Before Reduction *	10	-	-	10	-	-
Time To Reduce *	50	-	-	50	-	-
Minimum Gap	3.0	-	-	3.0	-	-
Recall Mode	MIN RECALL	-	-	MIN RECALL	-	-
Vehicle Call Memory	YELLOW	-	-	-	-	-
Dual Entry	-	ON	-	-	-	ON
Simultaneous Gap	ON	ON	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.

PROPOSED	EXISTING
	N/A

Signal Upgrade

NC 179-904 (Beach Drive) / NC 179 Business (Sunset Boulevard) at NC 179-904 / SR 1162 (Seaside Dr.)

Division 3 Brunswick County Seaside

PLAN DATE: February 2016 PREPARED BY: KGP, Jr. REVIEWED BY: JGP/PLA

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 1"=30'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

DATE: 3/11/16

SIG. INVENTORY NO. 03-0677

09-10-2016 10:49
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