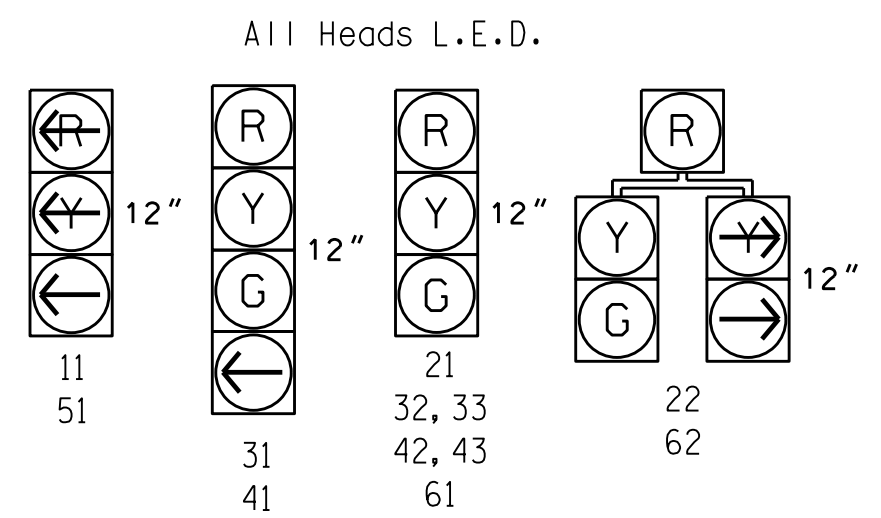


TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	03	04
11	—	—	→	→	→	→
21	R	R	G	G	R	Y
22	R	R	G	G	R	Y
31	R	R	R	R	G	R
32, 33	R	R	R	R	G	R
41	R	R	R	R	G	R
42, 43	R	R	R	R	G	R
51	—	→	→	→	→	→
61	R	G	R	G	R	Y
62	R	G	R	G	R	Y

SIGNAL FACE I.D.



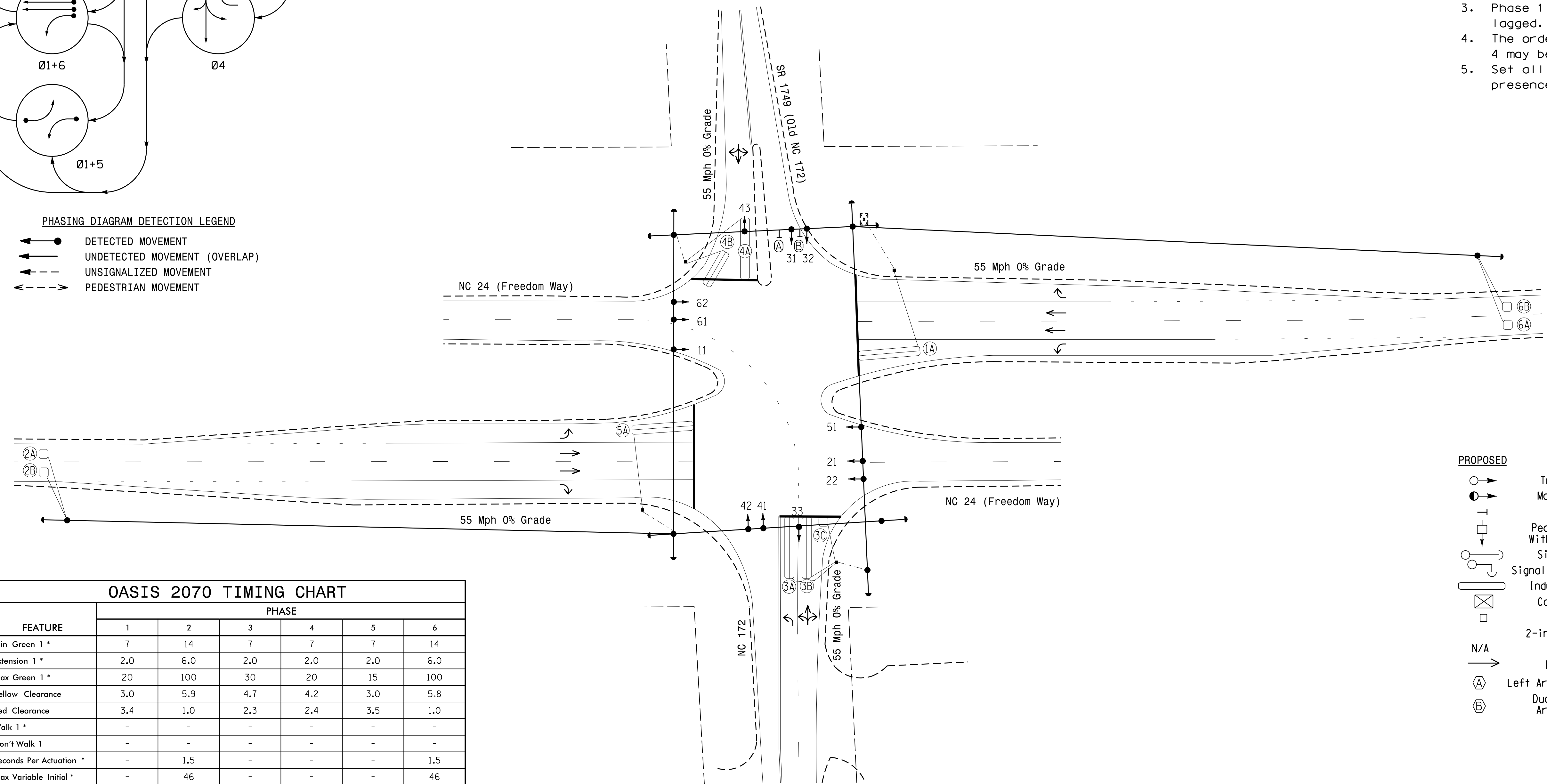
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

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
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	-	-	-
2A, 2B	6X6	420	5	Y	2	Y	Y	-	-	-	-	-
3A	6X40	+5	2-4-2	Y	3	Y	Y	-	-	3	-	-
3B	6X40	+5	2-4-2	Y	3	Y	Y	-	-	5	-	-
3C	6X40	0	2-4-2	Y	3	Y	Y	-	-	15	-	-
4A	6X40	+5	2-4-2	Y	4	Y	Y	-	-	5	-	-
4B	6X25	+5	2-4-2	Y	4	Y	Y	-	-	15	-	-
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	-	-	-
6A, 6B	6X6	420	5	Y	6	Y	Y	-	-	-	-	-

6 Phase Fully Actuated Isolated

NOTES

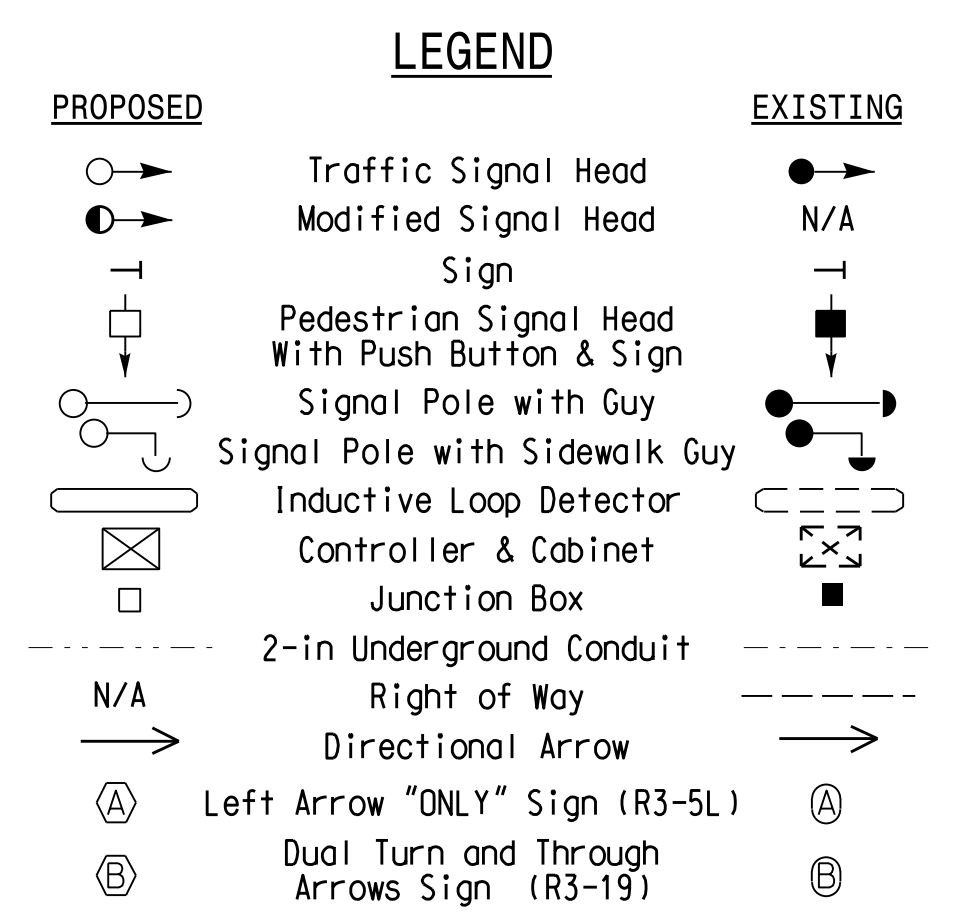
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. The order of phase 3 and phase 4 may be reversed.
5. Set all detector units to presence mode.



OASIS 2070 TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Min Green 1 *	7	14	7	7	7	14
Extension 1 *	2.0	6.0	2.0	2.0	2.0	6.0
Max Green 1 *	20	100	30	20	15	100
Yellow Clearance	3.0	5.9	4.7	4.2	3.0	5.8
Red Clearance	3.4	1.0	2.3	2.4	3.5	1.0
Walk 1 *	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation *	-	1.5	-	-	-	1.5
Max Variable Initial *	-	46	-	-	-	46
Time Before Reduction *	-	15	-	-	-	15
Time To Reduce *	-	30	-	-	-	30
Minimum Gap	-	3.4	-	-	-	3.4
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW
Dual Entry	-	-	-	-	-	-
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.



Signal Upgrade

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 24 (Freedom Way) at NC 172/SR 1749 (Old NC 172)

Division 3 Onslow County Hubert

PLAN DATE: February 2016 REVIEWED BY: PLA

PREPARED BY: Braden Walker REVIEWED BY:

REVISIONS: _____ INIT. DATE

SCALE: 0 40 1"=40'

SEAL: P. ALEXANDER, PROFESSIONAL ENGINEER, No. 023489

DocuSigned by: P. Alexander 4/19/2016

SIG. INVENTORY NO. 03-0426

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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