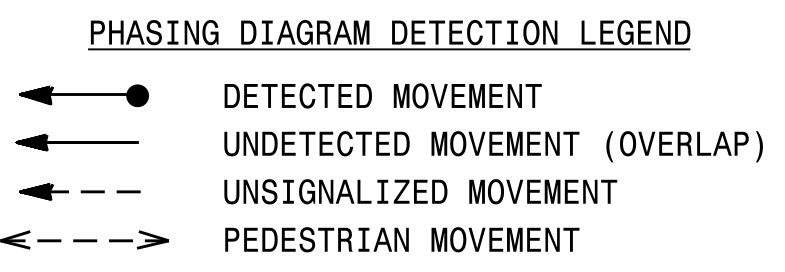
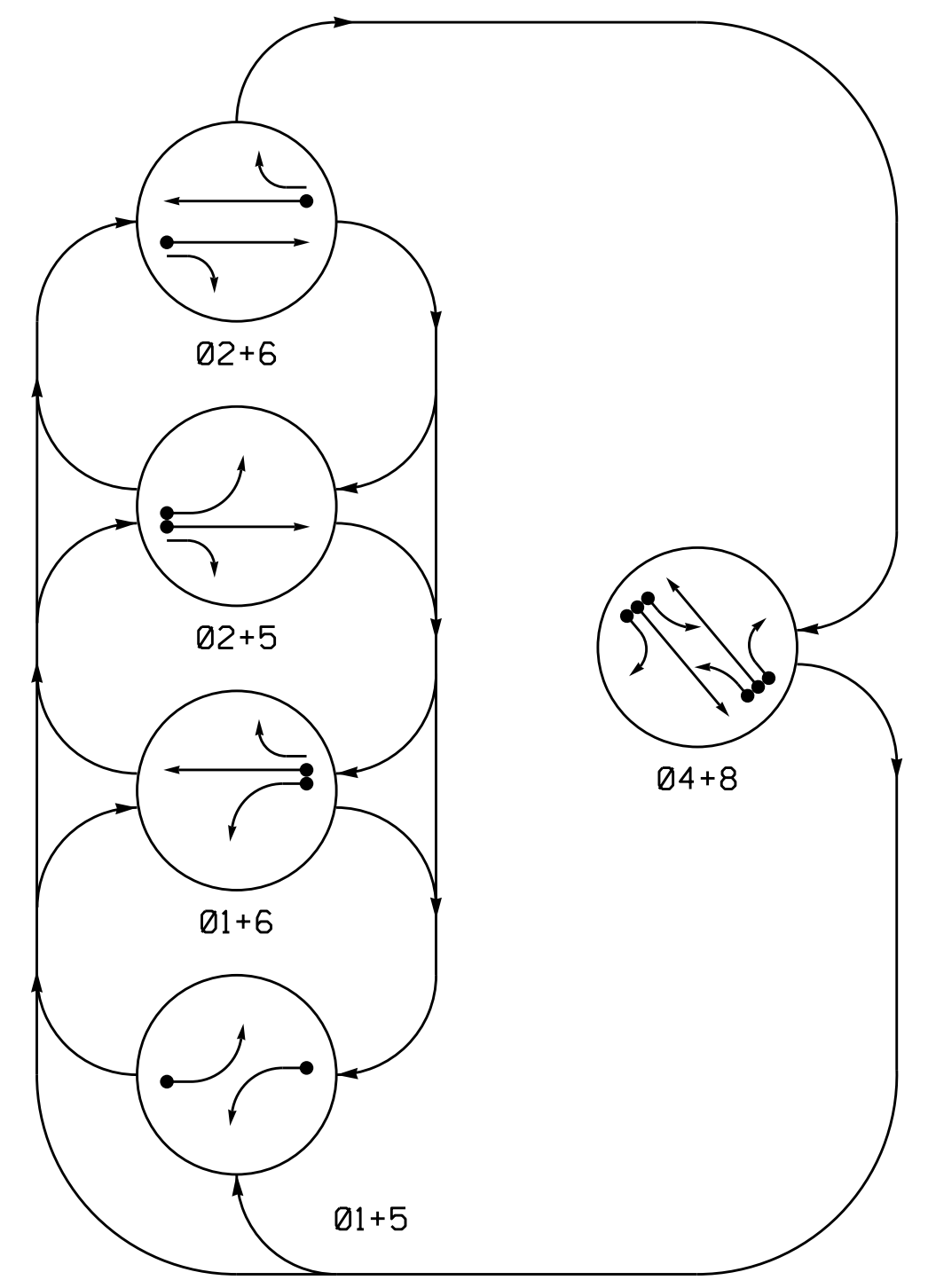
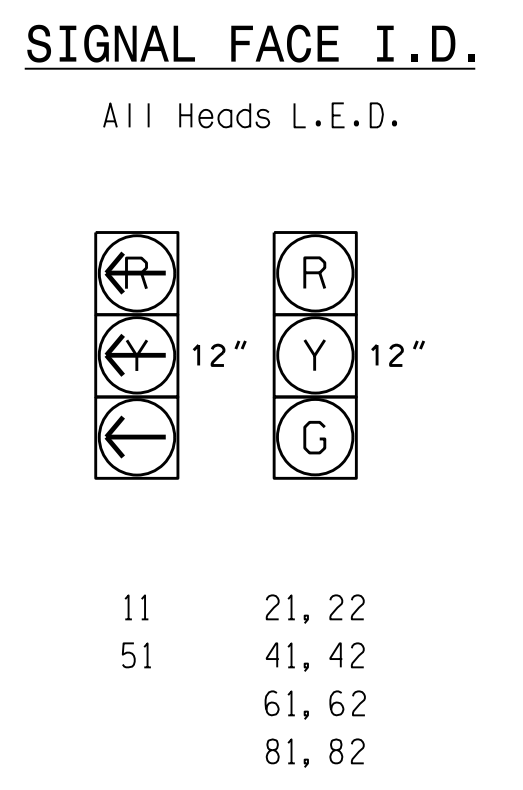


PHASING DIAGRAM



SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	FL HEAD
11	←	←	←	←	←	←
21, 22	R	R	G	G	R	Y
41, 42	R	R	R	R	G	R
51	←	←	←	←	←	←
61, 62	R	G	R	G	R	Y
81, 82	R	R	R	R	G	R

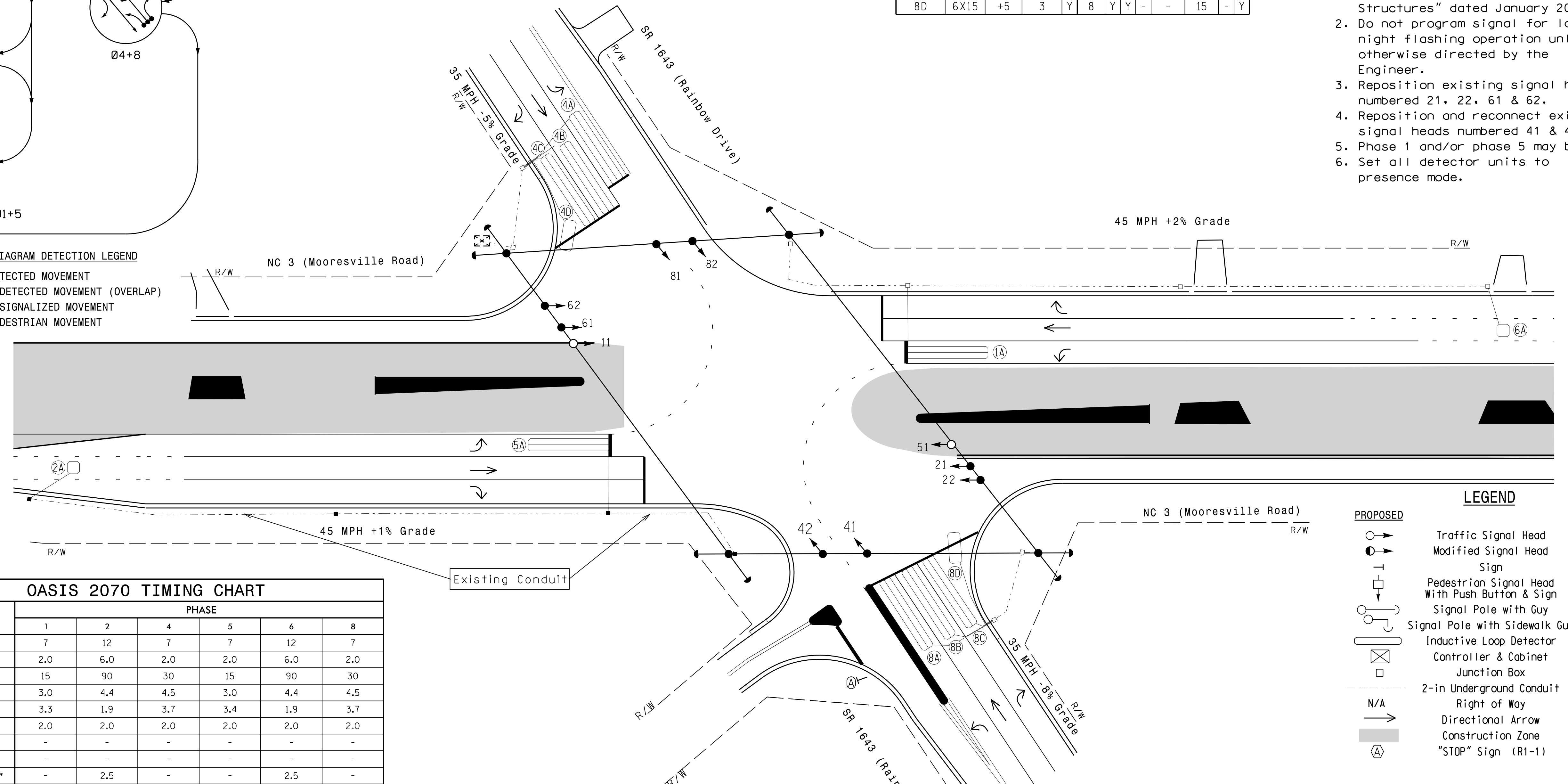


LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING							
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP NEW CARD
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	-	Y
2A	6X6	300	5	Y	2	Y	Y	-	-	-	-
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	3	-
4B	6X40	0	2-4-2	Y	4	Y	Y	-	-	-	-
4C	6X40	0	2-4-2	Y	4	Y	Y	-	-	15	-
4D	6X15	+5	3	Y	4	Y	Y	-	-	15	-
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	-	-
6A	6X6	300	5	Y	6	Y	Y	-	-	-	-
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	3	-
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	-	-
8C	6X40	0	2-4-2	Y	8	Y	Y	-	-	15	-
8D	6X15	+5	3	Y	8	Y	Y	-	-	15	-

5 Phase Fully Actuated Isolated

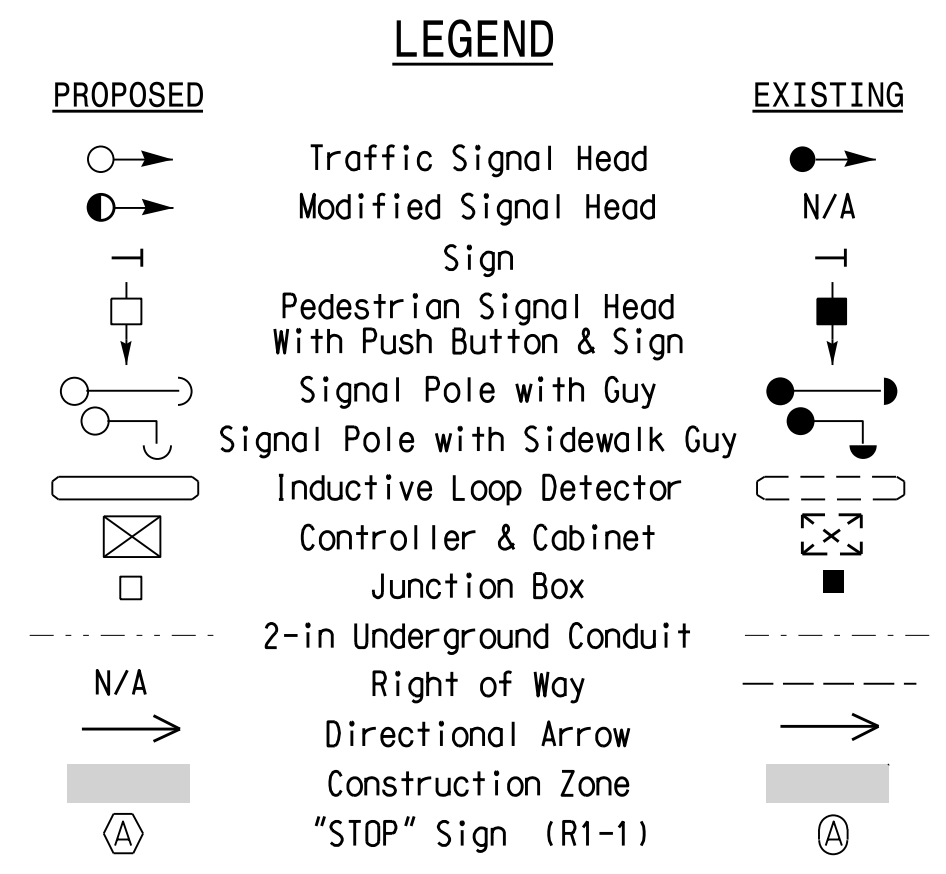
NOTES

- 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.
- Reposition existing signal heads numbered 21, 22, 61 & 62.
- Reposition and reconnect existing signal heads numbered 41 & 42.
- Phase 1 and/or phase 5 may be lagged.
- Set all detector units to presence mode.



FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1 *	7	12	7	7	12	7
Extension 1 *	2.0	6.0	2.0	2.0	6.0	2.0
Max Green 1 *	15	90	30	15	90	30
Yellow Clearance	3.0	4.4	4.5	3.0	4.4	4.5
Red Clearance	3.3	1.9	3.7	3.4	1.9	3.7
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation *	-	2.5	-	-	2.5	-
Max Variable Initial *	-	34	-	-	34	-
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	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.



Signal Upgrade Temporary Design-TMP Phase III

Prepared In the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

NC 3 (Mooresville Road) at SR 1643 (Rainbow Drive)

Division 10 Cabarrus County Kannapolis

PLAN DATE: April 2016 REVIEWED BY: T. Williams
 PREPARED BY: M. Mahbooba REVIEWED BY:

SCALE: 1"=30'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 024393
 TIMOTHY J. WILLIAMS
 6/21/2016
 SIG. INVENTORY NO. 10-0395 T3

24-11146-2016_13239
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