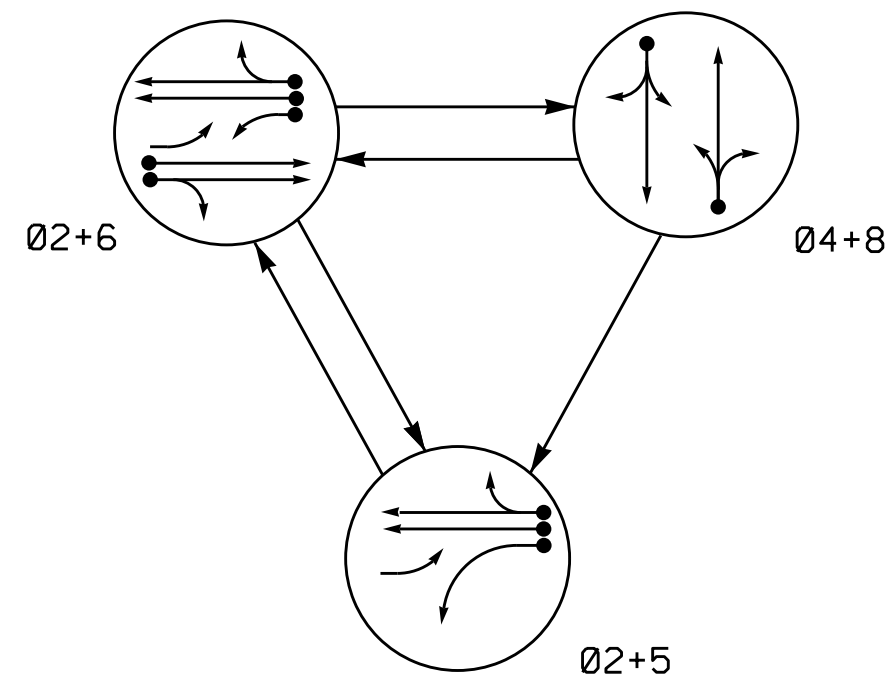


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	0 2 + 5	0 2 + 6	0 4 + 8	F L H S A P
21,22	G	G	R	Y
41,42	R	R	G	R
51	-	F	R	Y
61	F	F	R	Y
62,63	R	G	R	Y
81,82,83	R	R	G	R

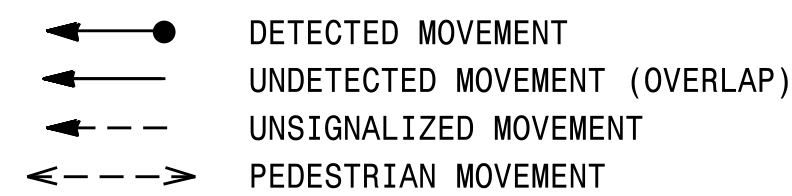
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A/S1	6X6	330	5	-	2	Y	Y	-	-	-	Y	Y
2B/S2	6X6	330	5	-	2	Y	Y	-	-	-	Y	Y
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	10	-	Y
5A	6X40	0	3	-	5	Y	Y	-	-	15	-	Y
6A	6X6	330	5	-	6	Y	Y	-	-	-	-	Y
6B	6X6	330	5	-	6	Y	Y	-	-	-	-	Y
6C	6X6	90	2-4-2	-	6	Y	Y	-	-	-	-	Y
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	10	-	Y

3 Phase Fully Actuated Asheville Signal System

NOTES

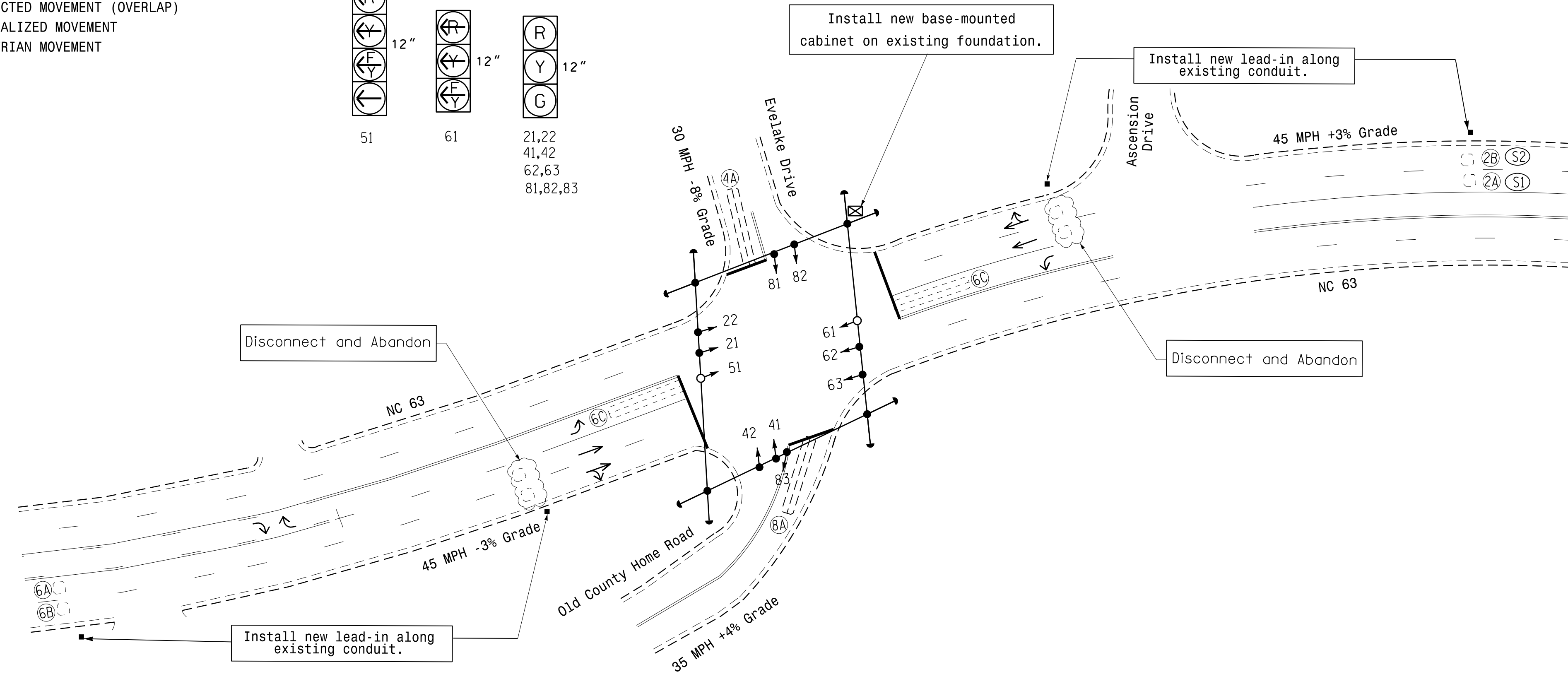
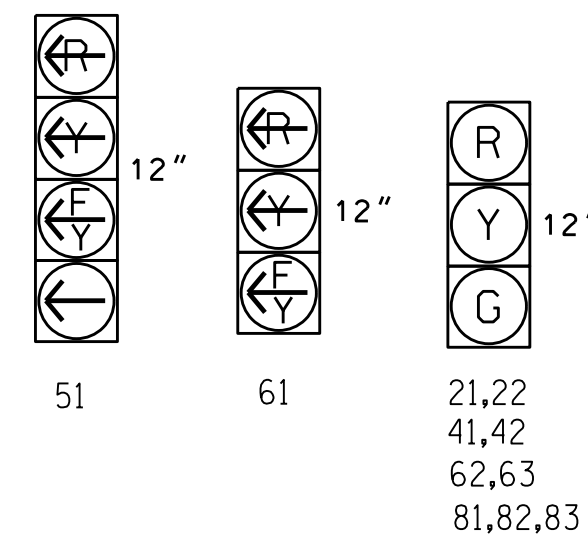
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Disconnect and abandon loops as shown.
- Phase 5 may be lagged.
- Reposition existing signal heads numbered 21, 62 & 63.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Remove sign A next to head #21.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.

All Heads L.E.D.

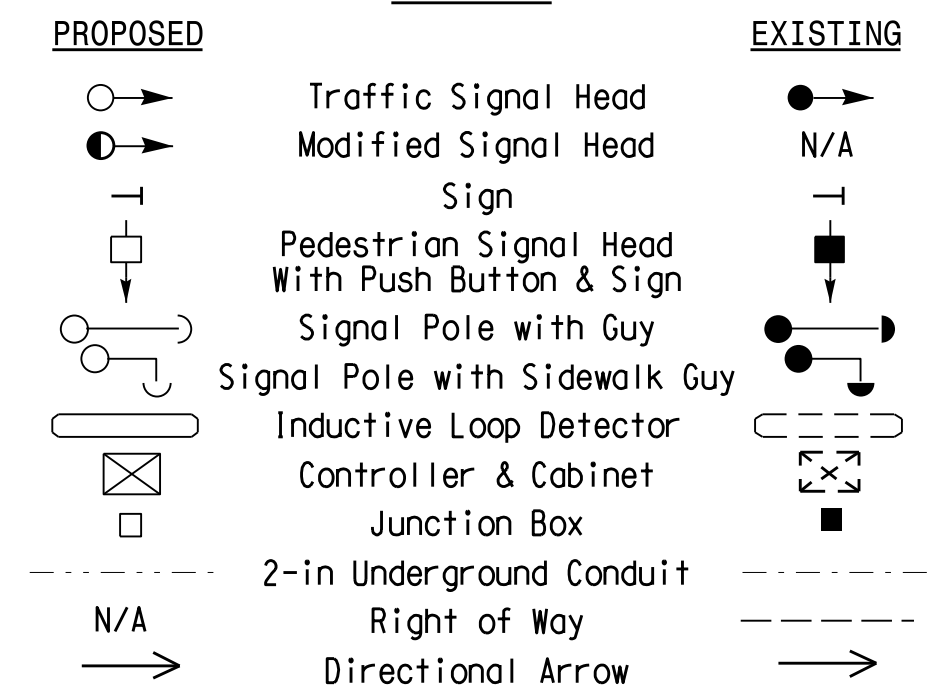


OASIS 2070 TIMING CHART

FEATURE	PHASE				
	2	4	5	6	8
Min Green 1 *	12	7	7	12	7
Extension 1 *	6.0	1.0	3.0	6.0	1.0
Max Green 1 *	90	20	14	90	20
Yellow Clearance	4.8	4.1	3.0	4.8	3.8
Red Clearance	1.5	1.9	2.8	1.5	1.6
Red Revert	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-
Don't Walk 1	-	-	-	-	-
Seconds Per Actuation *	1.5	-	-	1.5	-
Max Variable Initial *	45	-	-	45	-
Time Before Reduction *	15	-	-	15	-
Time To Reduce *	30	-	-	30	-
Minimum Gap	3.2	-	-	3.2	-
Recall Mode	MIN RECALL	-	-	MIN RECALL	-
Vehicle Call Memory	YELLOW	-	-	YELLOW	-
Dual Entry	-	ON	-	-	ON
Simultaneous Gap	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.

LEGEND



Signal Upgrade

Prepared In the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

NC 63 at Old County Home Rd./Evelake Dr.
 Division 13 Buncombe County Asheville
 PLAN DATE: May 2016 REVIEWED BY: T. J. Williams
 PREPARED BY: C. Pierce REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529
 SCALE 0 40
 1"=40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 024393
 TIMOTHY J. WILLIAMS
 DocuSigned by: T. J. Williams 8/15/2016
 SIG. INVENTORY NO. 13-0037

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