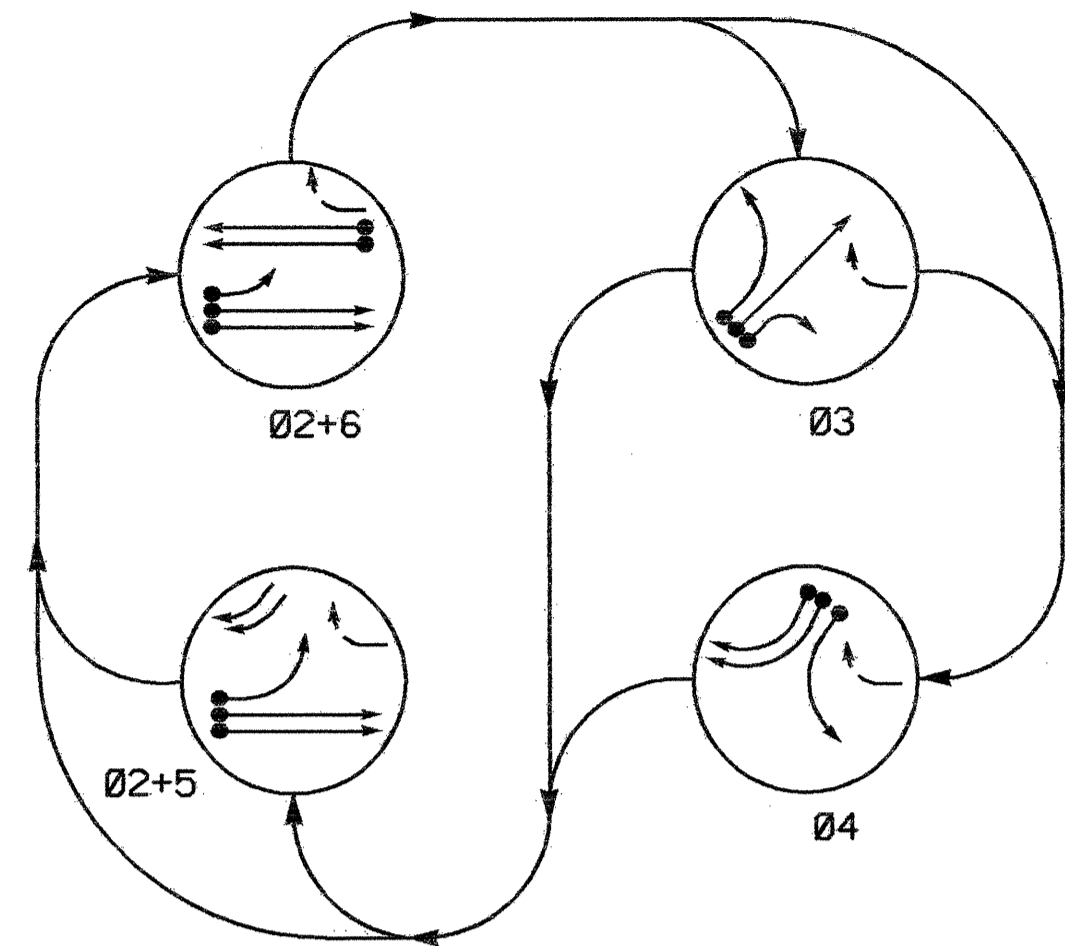


4 Phase Fully Actuated (Gastonia City System)

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

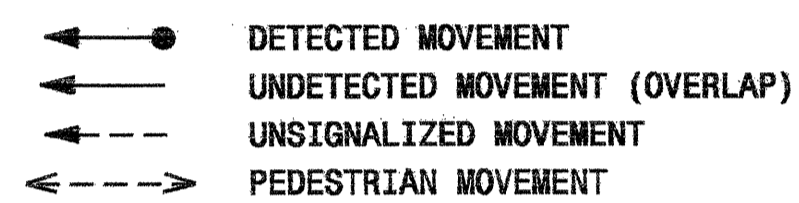
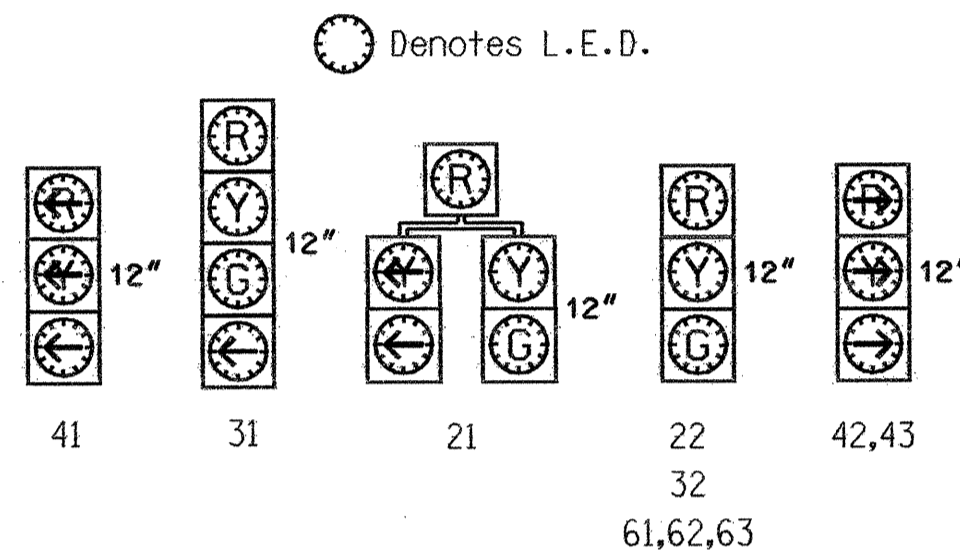


TABLE OF OPERATION

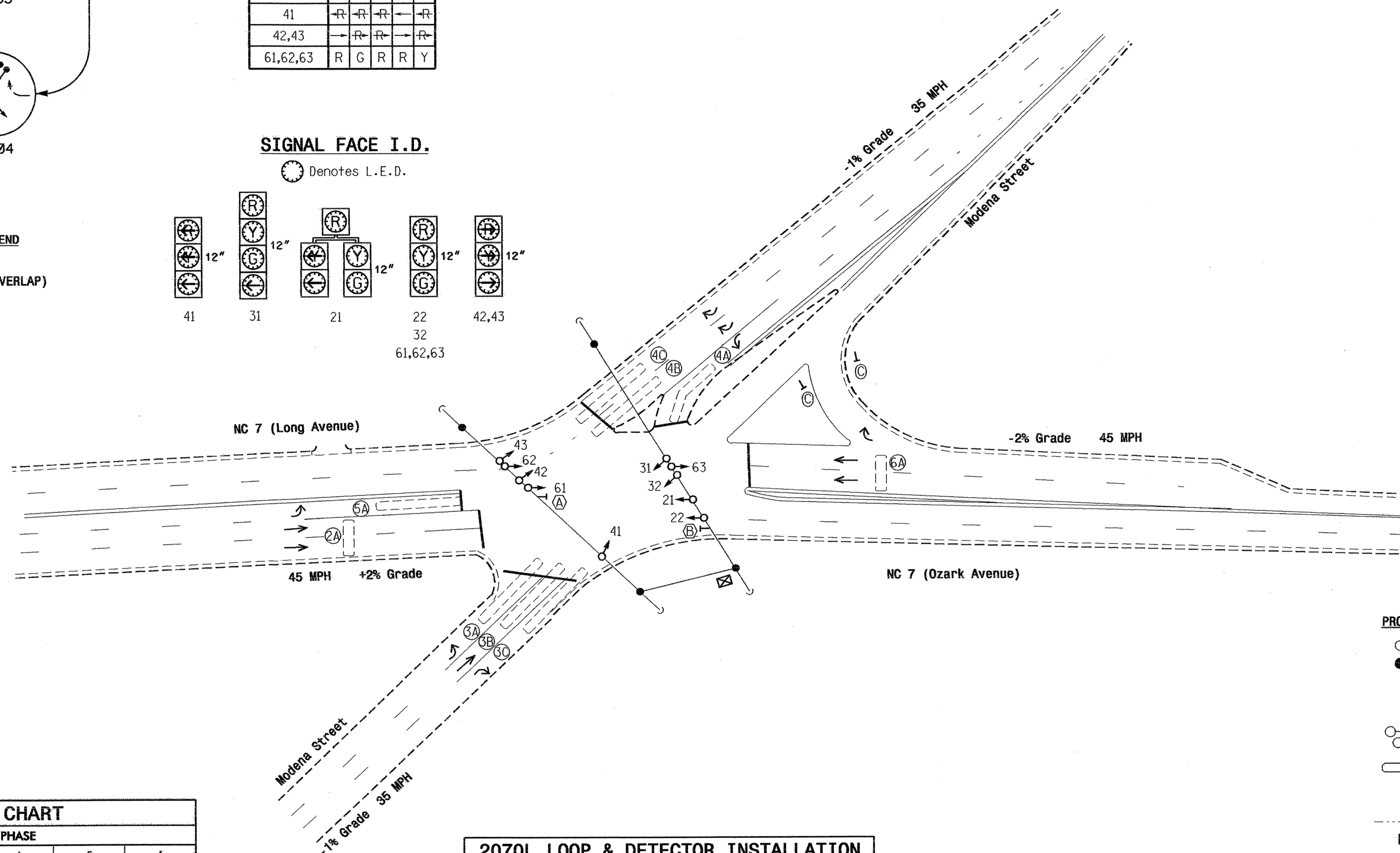
SIGNAL FACE	PHASE					
	Ø 2+5	Ø 2+6	Ø 3	Ø 4	Ø 5	Ø 6
21	G	R	R	Y		
22	G	G	R	R	Y	
31	R	R	G	R	R	
32	R	R	G	R	R	
41	R	R	R	Y		
42,43	R	R	R	Y		
61,62,63	R	G	R	R	Y	

SIGNAL FACE I.D.

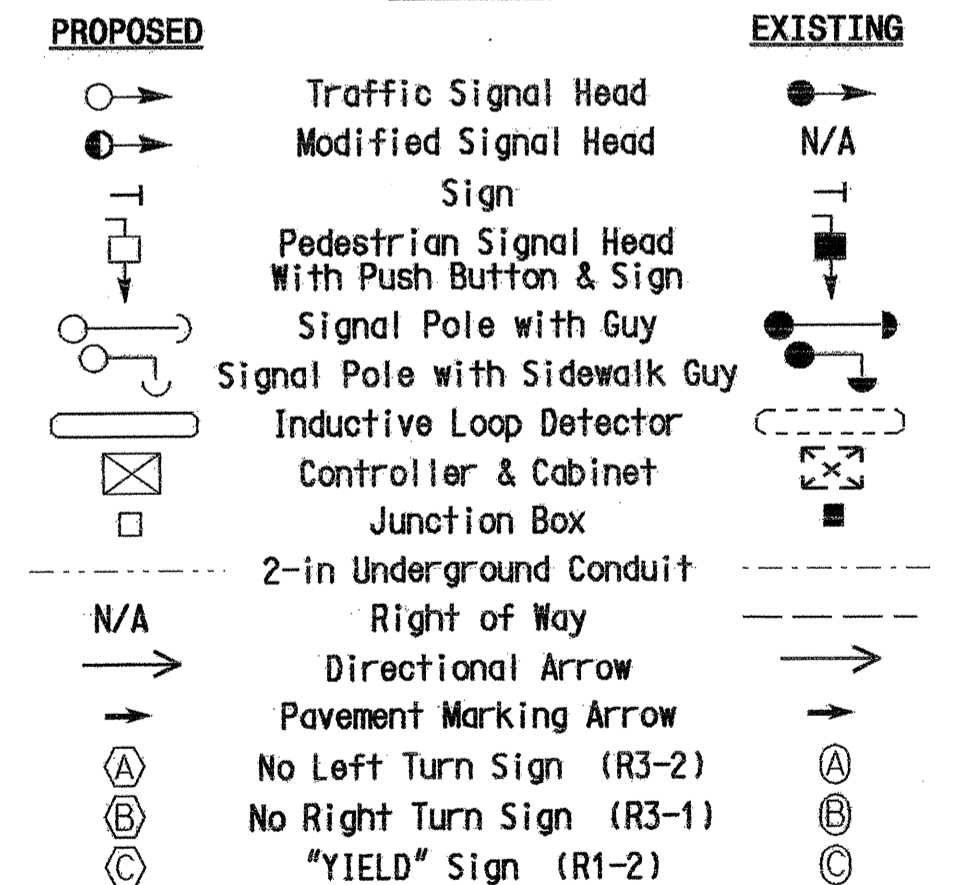


NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Omit phase 5 during phase 6 on.
- 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.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- City system data: Controller Asset # 0331.



LEGEND



2070L TIMING CHART

FEATURE	PHASE				
	2	3	4	5	6
Min Green 1*	12	7	7	7	12
Extension 1*	2.0	1.0	1.0	1.0	2.0
Max Green 1*	45	25	20	15	45
Yellow Clearance	4.7	4.0	4.0	4.0	4.7
Red Clearance	2.7	2.8	1.8	3.7	2.7
Walk 1*	-	-	-	-	-
Don't Walk 1	-	-	-	-	-
Seconds Per Actuation*	-	-	-	-	-
Max Variable Initial*	-	-	-	-	-
Time Before Reduction*	-	-	-	-	-
Time To Reduce*	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Recall Mode	MIN RECALL	-	-	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	-	-	YELLOW
Dual Entry	-	-	-	-	-
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.

2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD	
2A	EXISTING	EXISTING	EXISTING	-	2	Y	Y	-	-	-	-	Y
3A	EXISTING	EXISTING	EXISTING	-	3	Y	Y	-	-	-	-	Y
3B	EXISTING	EXISTING	EXISTING	-	3	Y	Y	-	-	-	-	Y
3C	EXISTING	EXISTING	EXISTING	-	3	Y	Y	-	-	-	10	Y
4A	EXISTING	EXISTING	EXISTING	-	4	Y	Y	-	-	-	-	Y
4B	EXISTING	EXISTING	EXISTING	-	4	Y	Y	-	-	-	5	Y
4C	EXISTING	EXISTING	EXISTING	-	4	Y	Y	-	-	-	10	Y
5A	EXISTING	EXISTING	EXISTING	-	2	Y	Y	-	-	-	-	Y
					5	Y	Y	Y	-	-	15	Y
6A	EXISTING	EXISTING	EXISTING	-	6	Y	Y	-	-	-	-	Y

Signal Upgrade

Prepared in the Office of:

122 N. McDowell St., Raleigh, NC 27603

NC 7 (Long Avenue) at Modena Street

Division 12 Gaston County

PLAN DATE: December / 2004 REVIEWED BY: D.V. Ishakov

PREPARED BY: L. Blount REVIEWED BY:

REVISIONS: INIT. DATE

SEAL

13 JANUARY 05

SIGNATURE: DATE

SIG. INVENTORY NO. 12-0331

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