

PHASING DIAGRAM

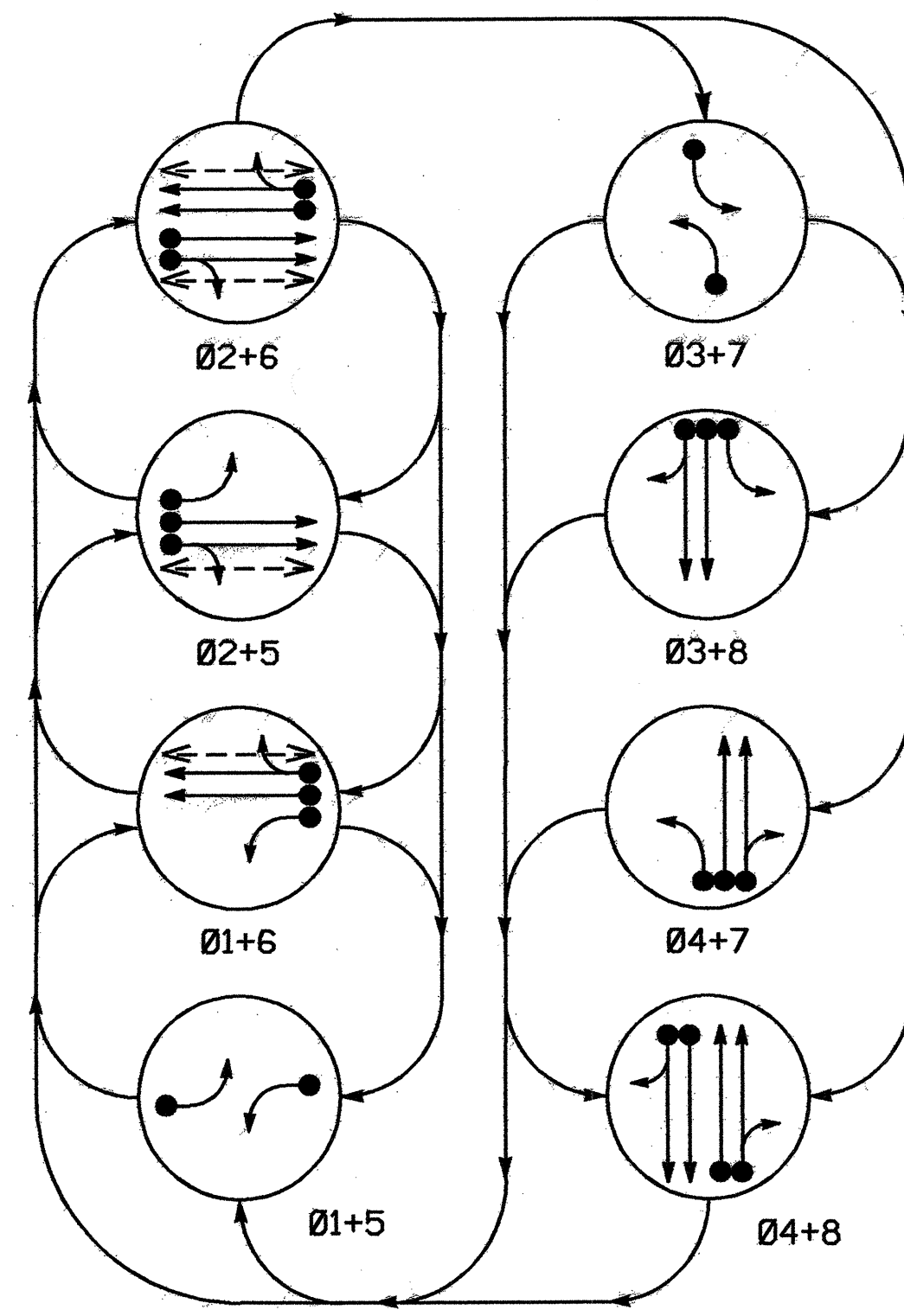
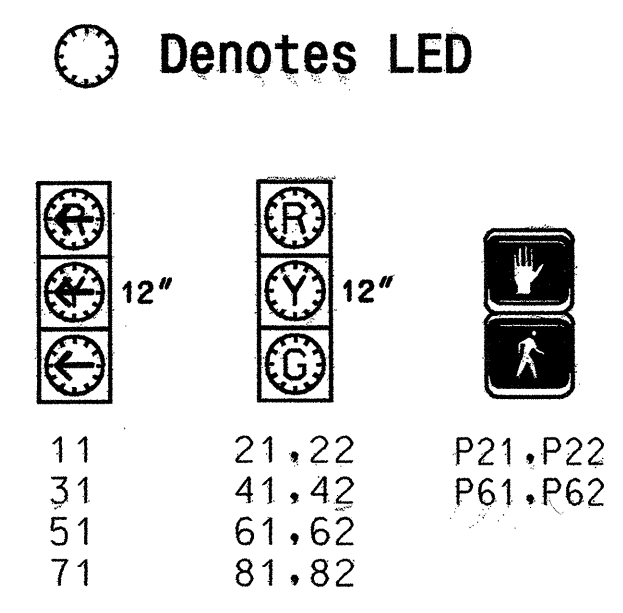


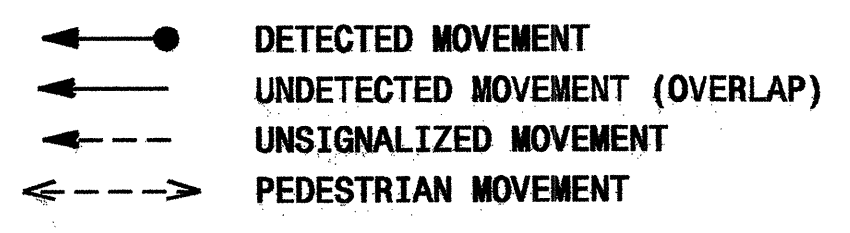
TABLE OF OPERATION

SIGNAL FACE	PHASE							
	Ø1+5	Ø2+6	Ø3+7	Ø4+8	Ø1+6	Ø2+5	Ø3+8	Ø4+7
11	R	R	G	G	R	R	R	Y
21, 22	R	R	G	G	R	R	R	Y
31	R	R	G	G	R	R	R	Y
41, 42	R	R	G	G	R	R	R	Y
51	R	R	G	G	R	R	R	Y
61, 62	R	R	G	G	R	R	R	Y
71	R	R	G	G	R	R	R	Y
81, 82	R	R	G	G	R	R	R	Y
P21, P22	DW	DW	W	W	DW	DW	DW	DRK
P61, P62	DW	W	DW	W	DW	DW	DW	DRK

SIGNAL FACE I.D.



PHASING DIAGRAM DETECTION LEGEND



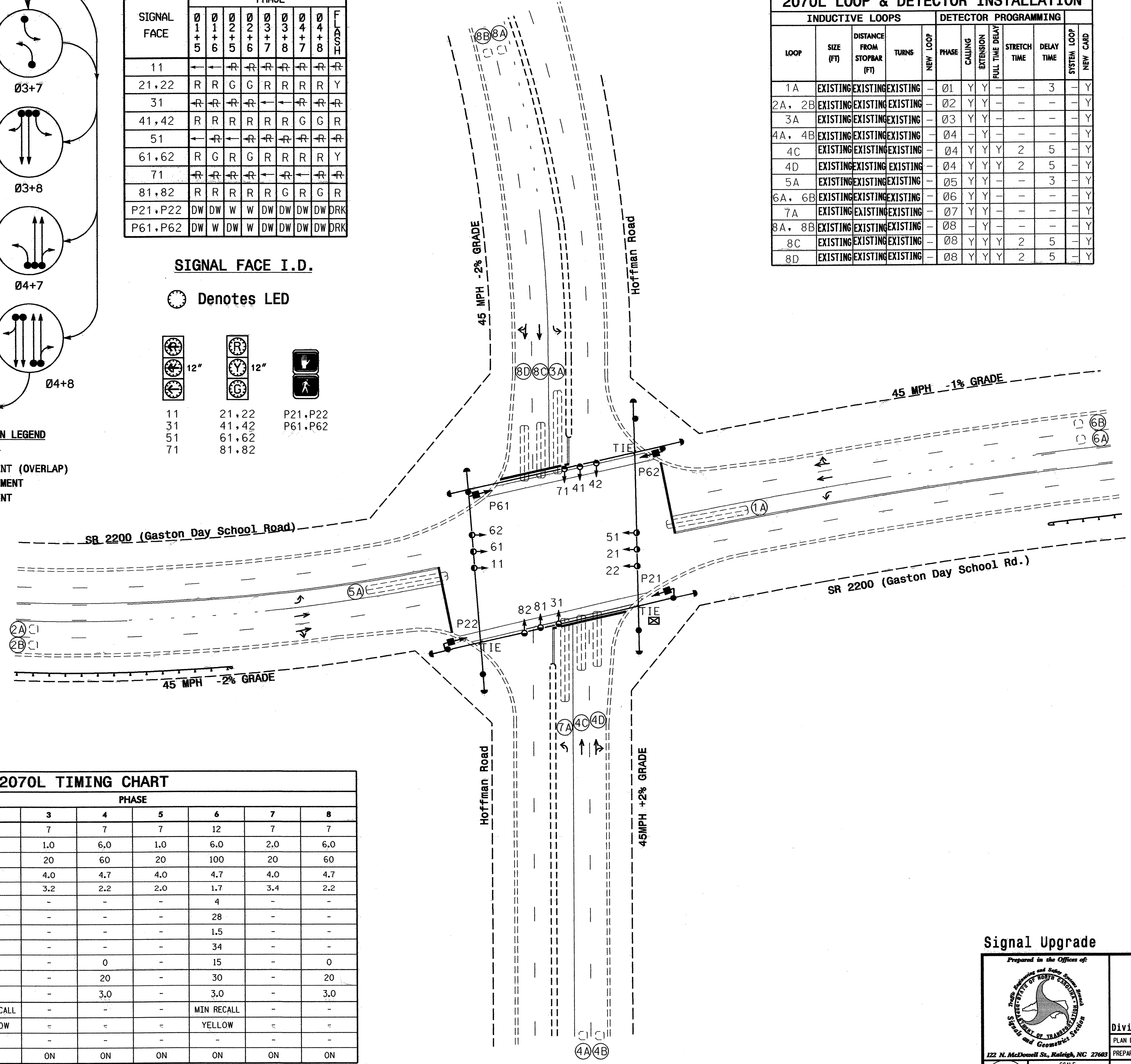
2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME		
1A	EXISTING	EXISTING	EXISTING	-	Ø1	Y	Y	-	3	-	Y
2A, 2B	EXISTING	EXISTING	EXISTING	-	Ø2	Y	Y	-	-	-	Y
3A	EXISTING	EXISTING	EXISTING	-	Ø3	Y	Y	-	-	-	Y
4A, 4B	EXISTING	EXISTING	EXISTING	-	Ø4	Y	Y	-	-	-	Y
4C	EXISTING	EXISTING	EXISTING	-	Ø4	Y	Y	2	5	-	Y
4D	EXISTING	EXISTING	EXISTING	-	Ø4	Y	Y	2	5	-	Y
5A	EXISTING	EXISTING	EXISTING	-	Ø5	Y	Y	-	3	-	Y
6A, 6B	EXISTING	EXISTING	EXISTING	-	Ø6	Y	Y	-	-	-	Y
7A	EXISTING	EXISTING	EXISTING	-	Ø7	Y	Y	-	-	-	Y
8A, 8B	EXISTING	EXISTING	EXISTING	-	Ø8	Y	Y	-	-	-	Y
8C	EXISTING	EXISTING	EXISTING	-	Ø8	Y	Y	2	5	-	Y
8D	EXISTING	EXISTING	EXISTING	-	Ø8	Y	Y	2	5	-	Y

8 Phase Fully Actuated Gastonia City System

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 or phase 5 may be lagged.
4. Phase 3 or phase 7 may be lagged.
5. Set all detector units to presence mode.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Pavement markings are existing.
9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
10. City system data: Controller Asset #1604.

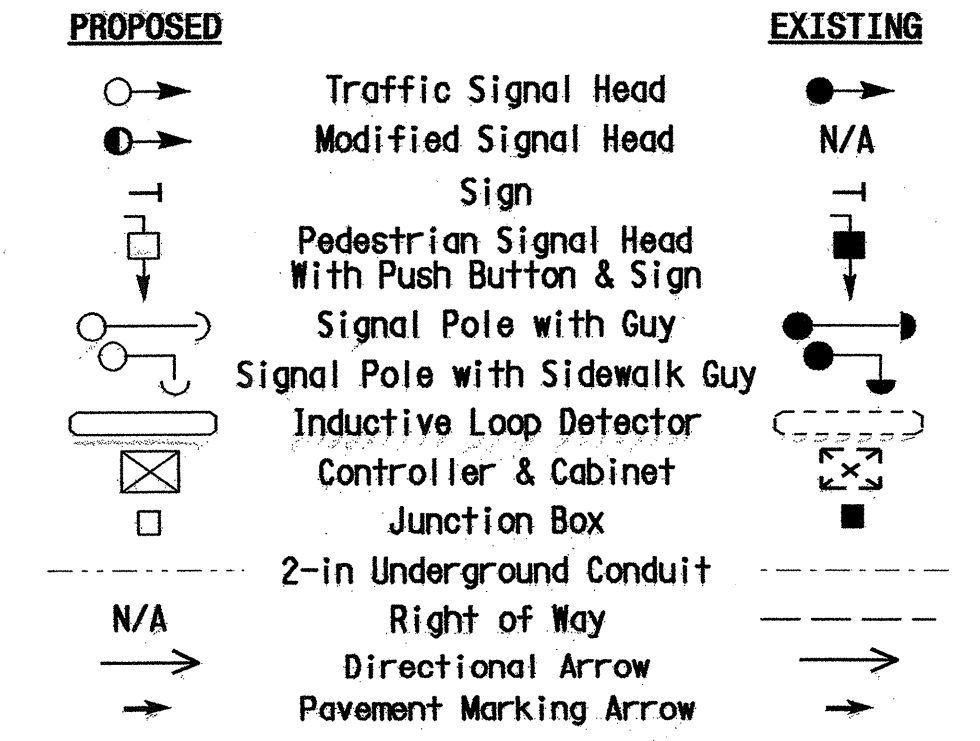


2070L TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1*	7	12	7	4	7	12	7	7
Extension 1*	1.0	6.0	1.0	6.0	1.0	6.0	2.0	6.0
Max Green 1*	20	100	20	60	20	100	20	60
Yellow Clearance	4.0	4.7	4.0	4.7	4.0	4.7	4.0	4.7
Red Clearance	2.0	1.7	3.2	2.2	2.0	1.7	3.4	2.2
Walk 1*	-	4	-	-	-	4	-	-
Don't Walk 1	-	25	-	-	-	28	-	-
Seconds Per Actuation*	-	1.5	-	-	-	1.5	-	-
Max Variable Initial*	-	34	-	-	-	34	-	-
Time Before Reduction*	-	15	-	0	-	15	-	0
Time To Reduce*	-	30	-	20	-	30	-	20
Minimum Gap	-	3.0	-	3.0	-	3.0	-	3.0
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW	-	-
Dual Entry	-	-	-	-	-	-	-	-
Simultaneous Gap	ON	ON	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.

LEGEND



Signal Upgrade

Prepared in the Office of:

 122 N. McDowell St., Raleigh, NC 27603

SR 2200 (Gaston Day School Rd) at Hoffman Road

Division 12 Gaston County Gastonia
 PLAN DATE: January 2005 REVIEWED BY: [Signature]
 PREPARED BY: K. Maldonado REVIEWED BY: [Signature]

SCALE: 1"=40'

REVISIONS: _____ INIT. DATE _____

SIGNATURE: [Signature] DA
 SIG. INVENTORY NO. 12-1604

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