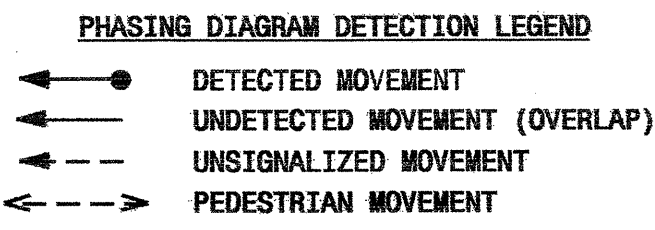
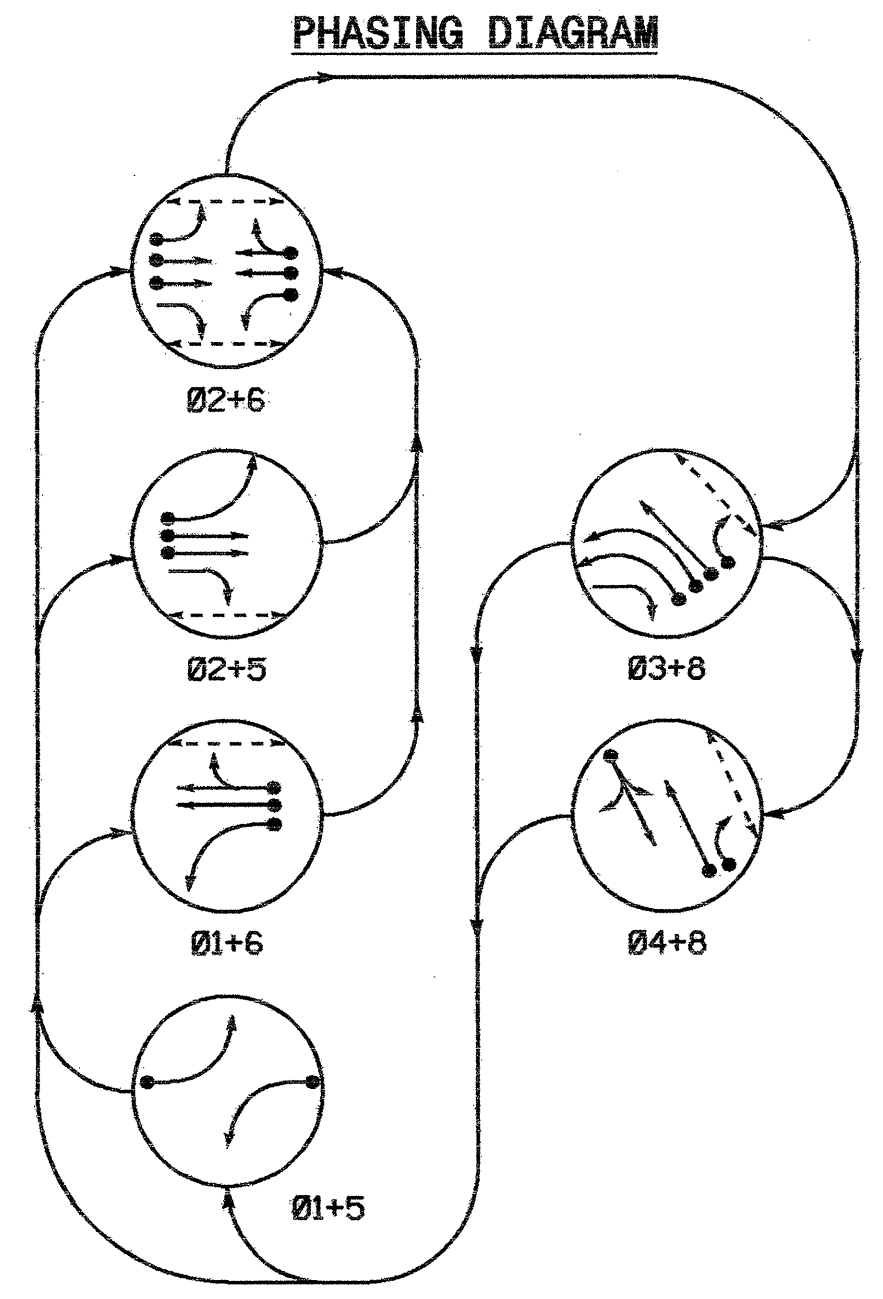


6 Phase Fully Actuated Gastonia City System

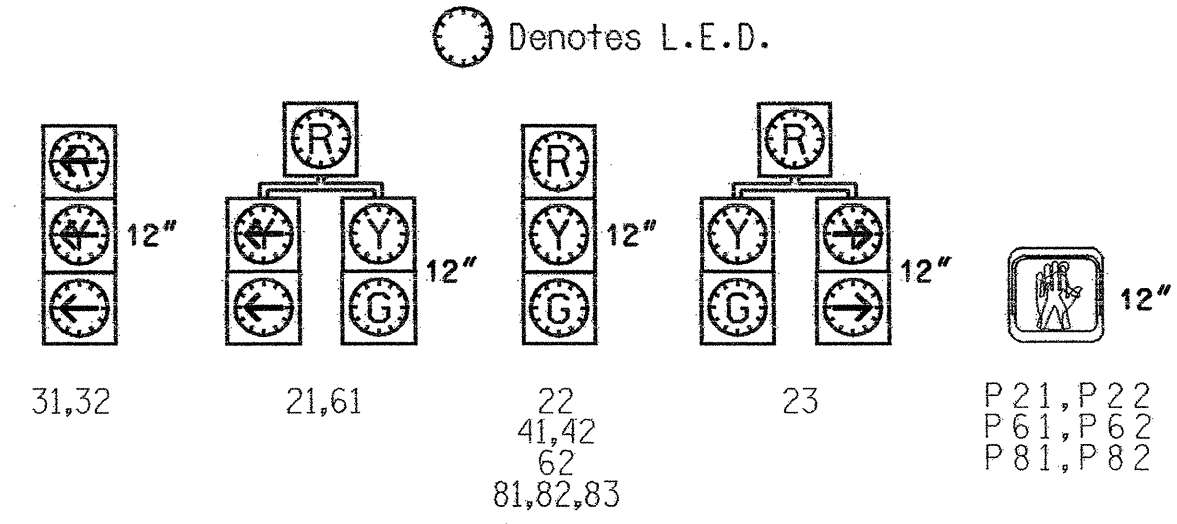
NOTES

- 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 1 during phase 2 on.
- Omit phase 5 during phase 6 on.
- Omit phase 3 during phase 4 on.
- Program controller to clear from phase 2+6 to phase 1 and/or 5 by progressing through phase 4+8 (see Electrical Details).
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data: Controller Asset # 0636.
- All work on this signal will be done and paid for under TIP Project U-2408. This plan is only to show that this intersection is part of the Gastonia City Signal System and some minor changes in the Timing Chart.



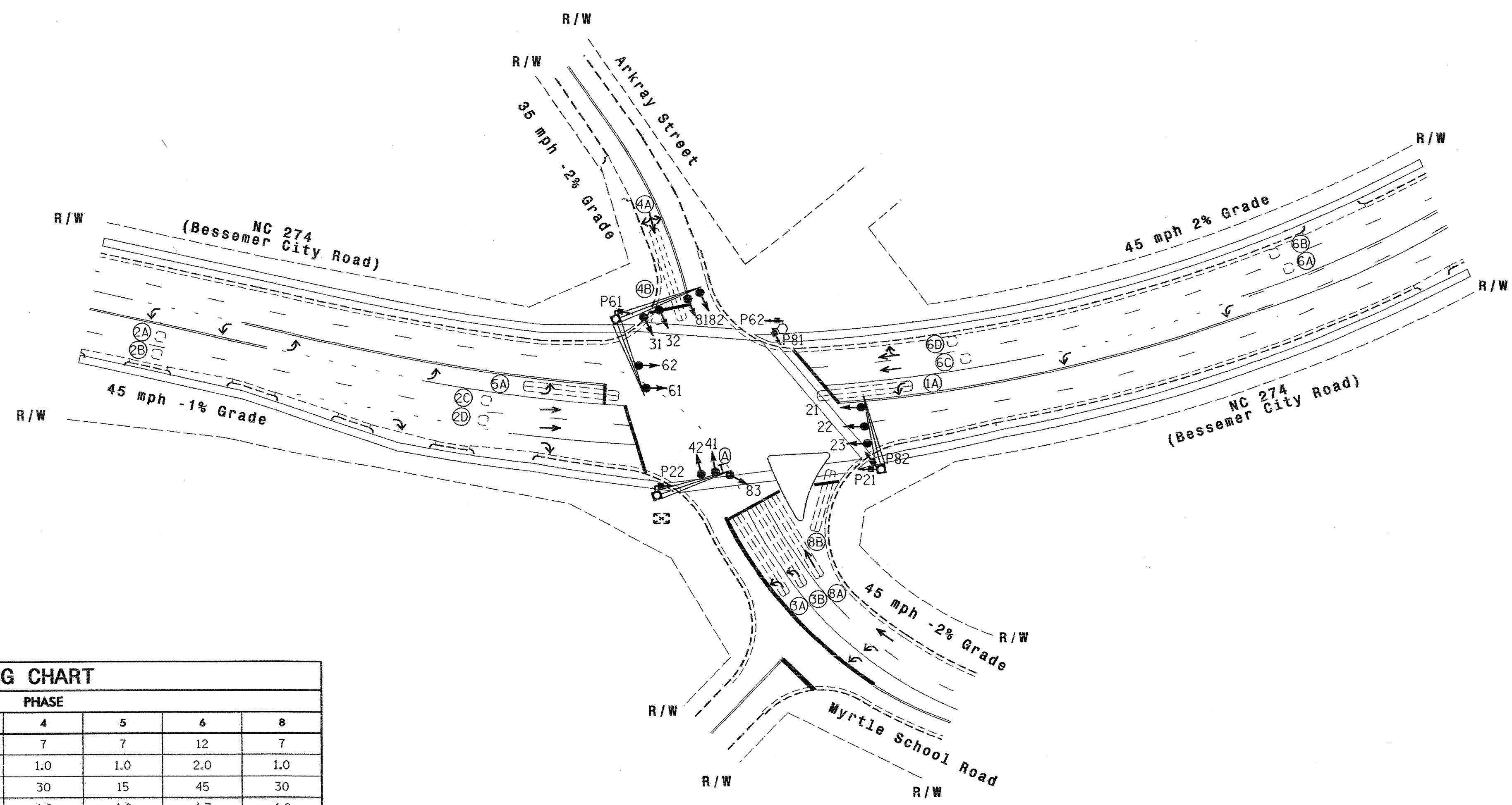
SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+8	04+8	05+8	06+8
21	R	R	G	G	R	R	Y	Y
22	R	R	G	G	R	R	Y	Y
23	R	R	G	G	R	R	Y	Y
31,32	R	R	R	R	R	R	R	R
41,42	R	R	R	R	R	R	G	R
61	R	G	R	G	R	R	Y	Y
62	R	G	R	G	R	R	Y	Y
81,82,83	R	R	R	R	G	G	R	R
P21,P22	DW	DW	W	W	DW	DW	DRK	DRK
P61,P62	DW	W	DW	W	DW	DW	DRK	DRK
P81,P82	DW	DW	DW	DW	W	W	DRK	DRK

SIGNAL FACE I.D.



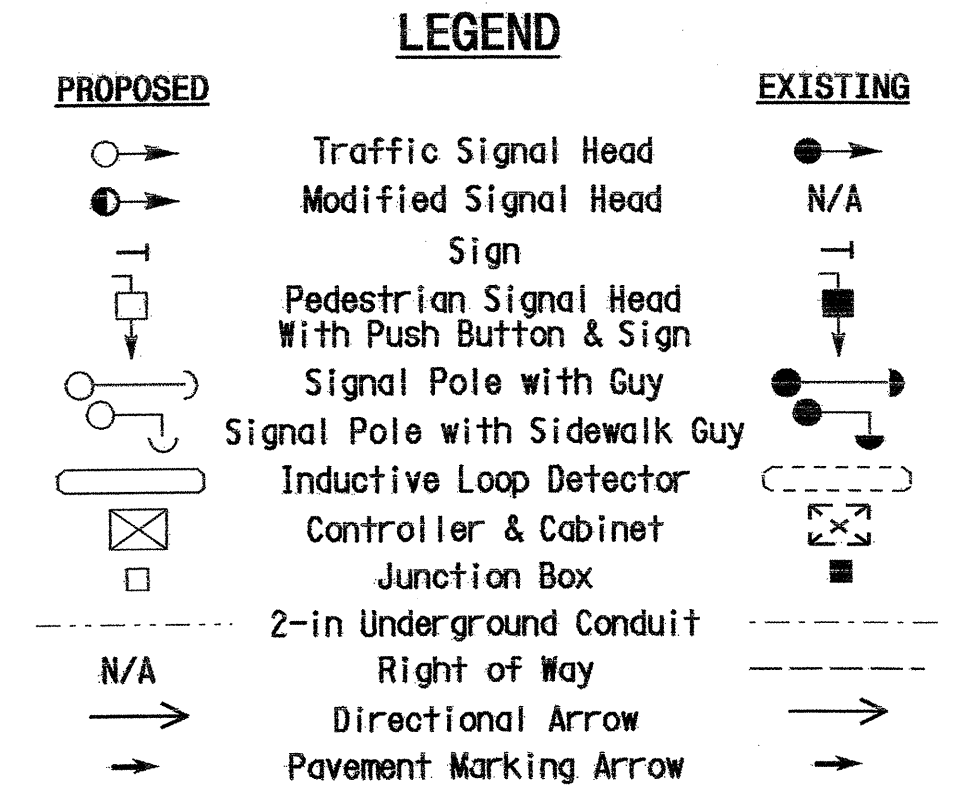
2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	STRETCH TIME		
1A	EXIST	EXIST	EXIST	-	1	Y	Y	-	15	-
2A,2B	EXIST	EXIST	EXIST	-	2	Y	Y	-	1.8	-
2C,2D	EXIST	EXIST	EXIST	-	2	Y	Y	-	-	-
3A	EXIST	EXIST	EXIST	-	3	Y	Y	-	3	-
3B	EXIST	EXIST	EXIST	-	3	Y	Y	-	3	-
4A	EXIST	EXIST	EXIST	-	4	Y	Y	-	5	-
4B	EXIST	EXIST	EXIST	-	4	Y	Y	-	10	-
5A	EXIST	EXIST	EXIST	-	5	Y	Y	-	15	-
6A,6B	EXIST	EXIST	EXIST	-	6	Y	Y	-	1.8	-
6C,6D	EXIST	EXIST	EXIST	-	6	Y	Y	-	-	-
8A	EXIST	EXIST	EXIST	-	8	Y	Y	-	-	-
8B	EXIST	EXIST	EXIST	-	8	Y	Y	-	15	-



FEATURE	PHASE							
	1	2	3	4	5	6	8	
Min Green 1*	7	12	7	7	7	12	7	
Extension 1*	2.0	2.0	1.0	1.0	1.0	2.0	1.0	
Max Green 1*	15	45	20	30	15	45	30	
Yellow Clearance	4.0	4.7	4.0	4.0	4.0	4.7	4.0	
Red Clearance	2.5	1.8	2.7	2.5	2.5	1.8	2.5	
Walk 1*	-	4	-	-	-	4	4	
Don't Walk 1	-	25	-	-	-	13	19	
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	-	-	-	-	-	-	ON	
Simultaneous Gap	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.



Signal Upgrade

Prepared in the Office of:
NC 274 (Bessemer City Road) at Arkray St. & Myrtle School Rd.
 Division 12 Gaston County Gastonia
 PLAN DATE: February 2005 REVIEWED BY: D.Y. Ishak
 PREPARED BY: K. Maldonado REVIEWED BY:
 SCALE: 1"=50'
 REVISIONS: INIT. DATE
 SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER E. MULLENKAMP 14 MARCH 05
 SIGNATURE: DATE: 12-0636

12-MAY-2005 09:12:31
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