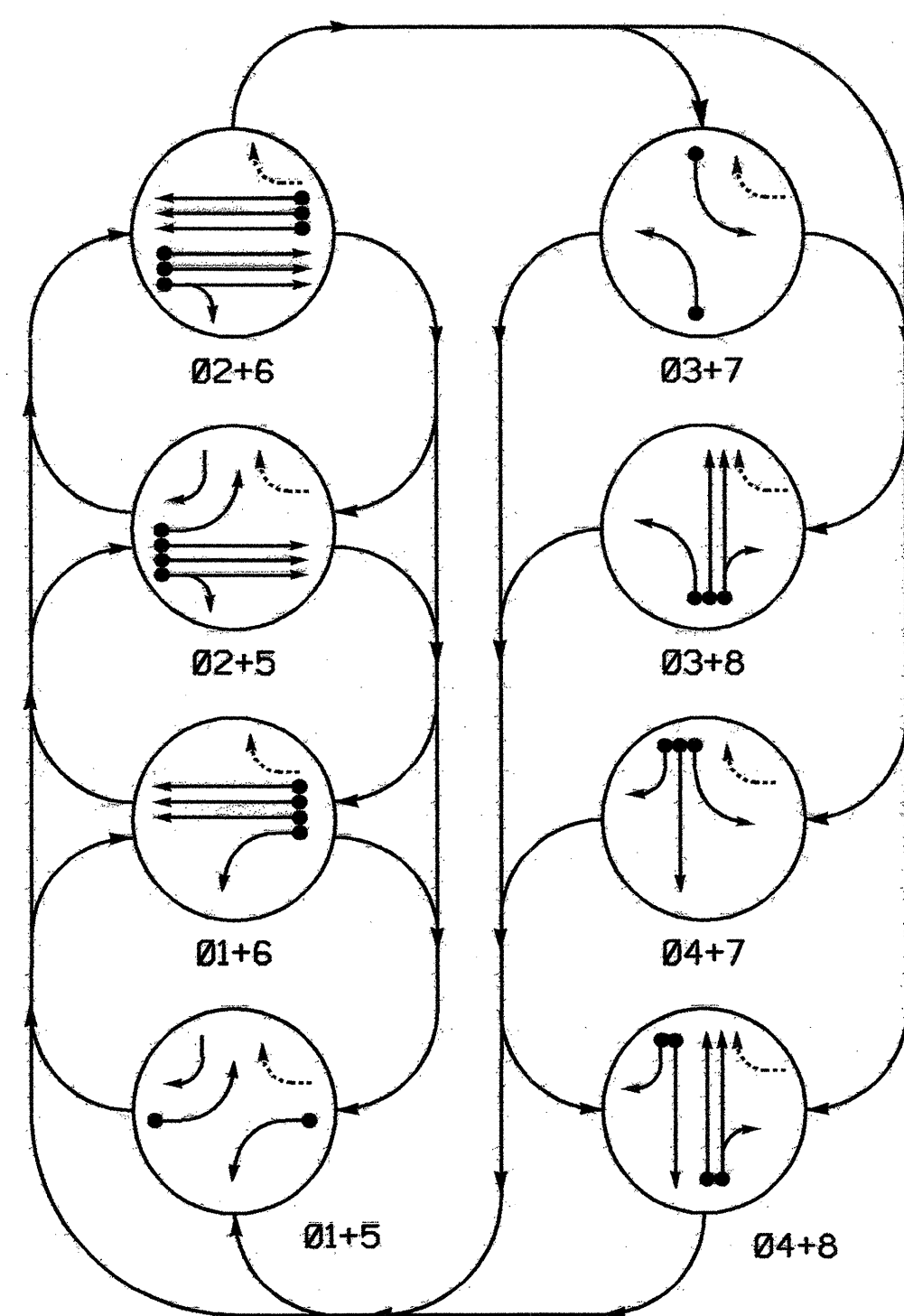


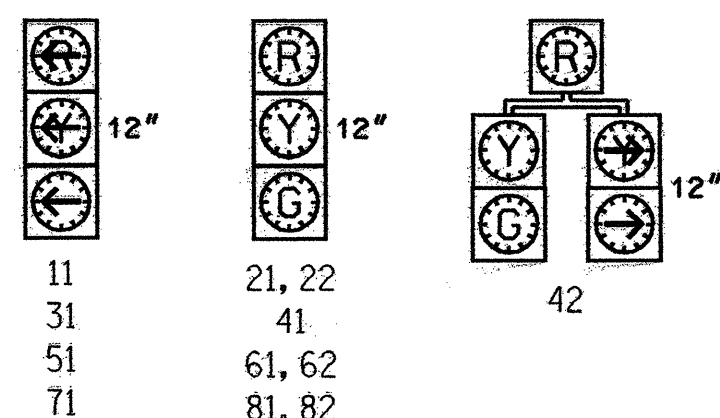
PHASING DIAGRAM



SIGNAL FACE	PHASE							
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	Ø3+7	Ø3+8	Ø4+7	Ø4+8
11	←	←	←	←	←	←	←	←
21, 22	R	R	G	G	R	R	R	R
31	←	←	←	←	←	←	←	←
41	R	R	R	R	R	R	G	G
42	R	R	R	R	R	R	G	G
51	←	←	←	←	←	←	←	←
61, 62	R	G	R	G	R	R	R	R
71	←	←	←	←	←	←	←	←
81, 82	R	R	R	R	R	G	R	G

SIGNAL FACE I.D.

● Denotes L.E.D.



2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (FT)	INDUCTIVE LOOPS		DETECTOR PROGRAMMING								
		INDUCTIVE LOOPS	DETECTOR PROGRAMMING	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD	
1A	6x30	Existing	Existing	-	1	Y	Y	-	-	-	-	Y
1B	6x30	Existing	Existing	-	1	Y	Y	-	-	-	-	Y
1C	6x30	Existing	Existing	-	1	Y	Y	-	-	-	-	Y
2A	6x6	Existing	Existing	-	2	Y	Y	-	-	-	-	Y
2B	6x6	Existing	Existing	-	2	Y	Y	-	-	-	-	Y
2C	6x6	Existing	Existing	-	2	Y	Y	-	-	-	-	Y
3A	6x60	Existing	Existing	-	3	Y	Y	-	-	-	-	Y
4A	6x60	Existing	Existing	-	4	Y	Y	-	-	-	-	Y
4B	6x40	Existing	Existing	-	4	Y	Y	-	-	-	10	Y
5A	6x30	Existing	Existing	-	5	Y	Y	-	-	-	-	Y
5B	6x30	Existing	Existing	-	5	Y	Y	-	-	-	-	Y
5C	6x30	Existing	Existing	-	5	Y	Y	-	-	-	-	Y
6A	6x6	Existing	Existing	-	6	Y	Y	-	-	-	-	Y
6B	6x6	Existing	Existing	-	6	Y	Y	-	-	-	-	Y
6C	6x6	Existing	Existing	-	6	Y	Y	-	-	-	-	Y
7A	6x60	Existing	Existing	-	7	Y	Y	-	-	-	-	Y
8A	6x60	Existing	Existing	-	8	Y	Y	-	-	-	-	Y
8B	6x60	Existing	Existing	-	8	Y	Y	-	-	-	10	Y

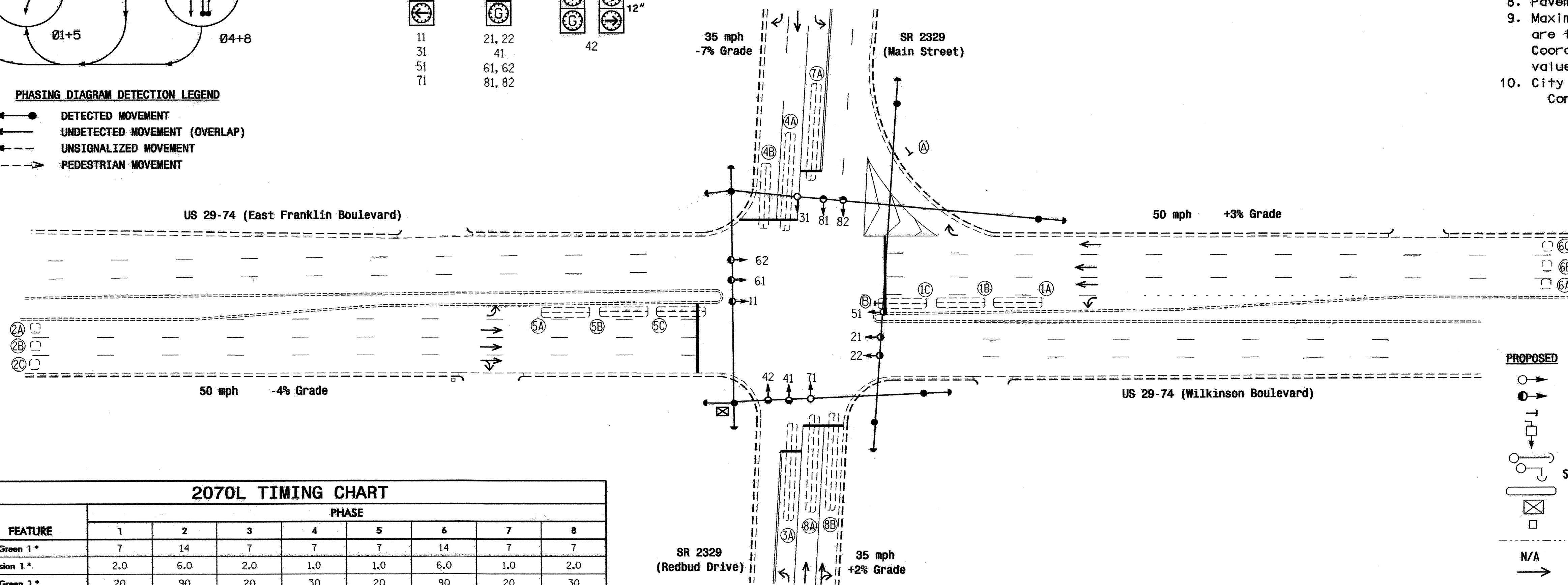
8 Phase Fully Actuated (Gastonia City System)

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.
- Phase 1 or phase 5 may be lagged.
- Phase 3 or phase 7 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Remove existing "Left Turn Signal" sign(s)-(R10-10L) and/or existing "Right Turn Signal" sign(s)-(R10-10R).
- 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 #: 0151.

PHASING DIAGRAM DETECTION LEGEND

- ← ● DETECTED MOVEMENT
- ← ○ UNDETECTED MOVEMENT (OVERLAP)
- UN SIGNALIZED MOVEMENT
- ← ● PEDESTRIAN MOVEMENT



LEGEND

- | PROPOSED | EXISTING |
|----------|----------|
| | |
| | N/A |
| | |
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2070L TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1*	7	14	7	7	7	14	7	7
Extension 1*	2.0	6.0	2.0	1.0	1.0	6.0	1.0	2.0
Max Green 1*	20	90	20	30	20	90	20	30
Yellow Clearance	4.0	5.1	4.0	4.0	4.0	5.1	4.0	4.0
Red Clearance	2.0	1.7	2.7	2.7	2.6	1.7	2.9	2.7
Walk 1*	-	-	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-	-	-
Seconds Per Actuation*	-	1.5	-	-	-	1.5	-	-
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	-	-	-	-	-	-	-	-
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.

Signal Upgrade

	US 29-74 (Wilkinson Boulevard) at SR 2329 (Main Street/ Rebdud Drive)		SEAL
	Division 12 Gaston County Gastonia	Division 12 Gaston County Gastonia	
	PLAN DATE: November 2004 PREPARED BY: AB Hambright	REVIEWED BY: REVIEWED BY:	
	SCALE 1" = 40' REVISIONS: _____ INIT. DATE: _____	SIGNATURE: _____ DATE: _____ SIG. INVENTORY NO. 12-0151	