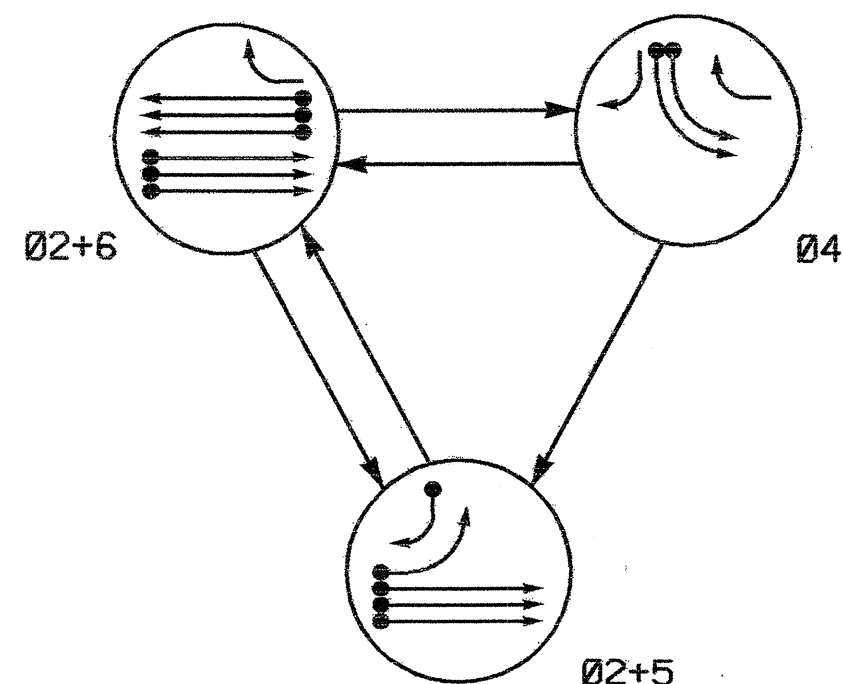
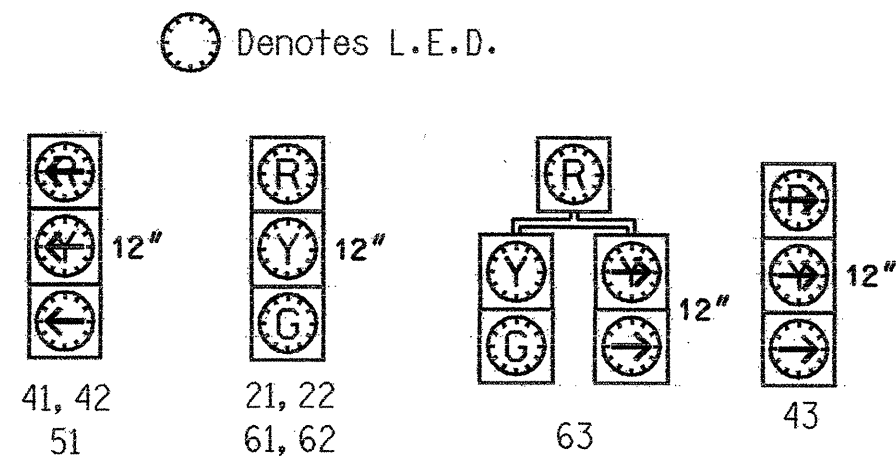


**PHASING DIAGRAM**



SIGNAL FACE	PHASE			
	Ø2+5	Ø2+6	Ø4	FLASH
21, 22	G	G	R	Y
41, 42	R	R	Y	
43		R	Y	
51		R	Y	
61, 62	R	G	R	Y
63	R	G	Y	

**SIGNAL FACE I.D.**



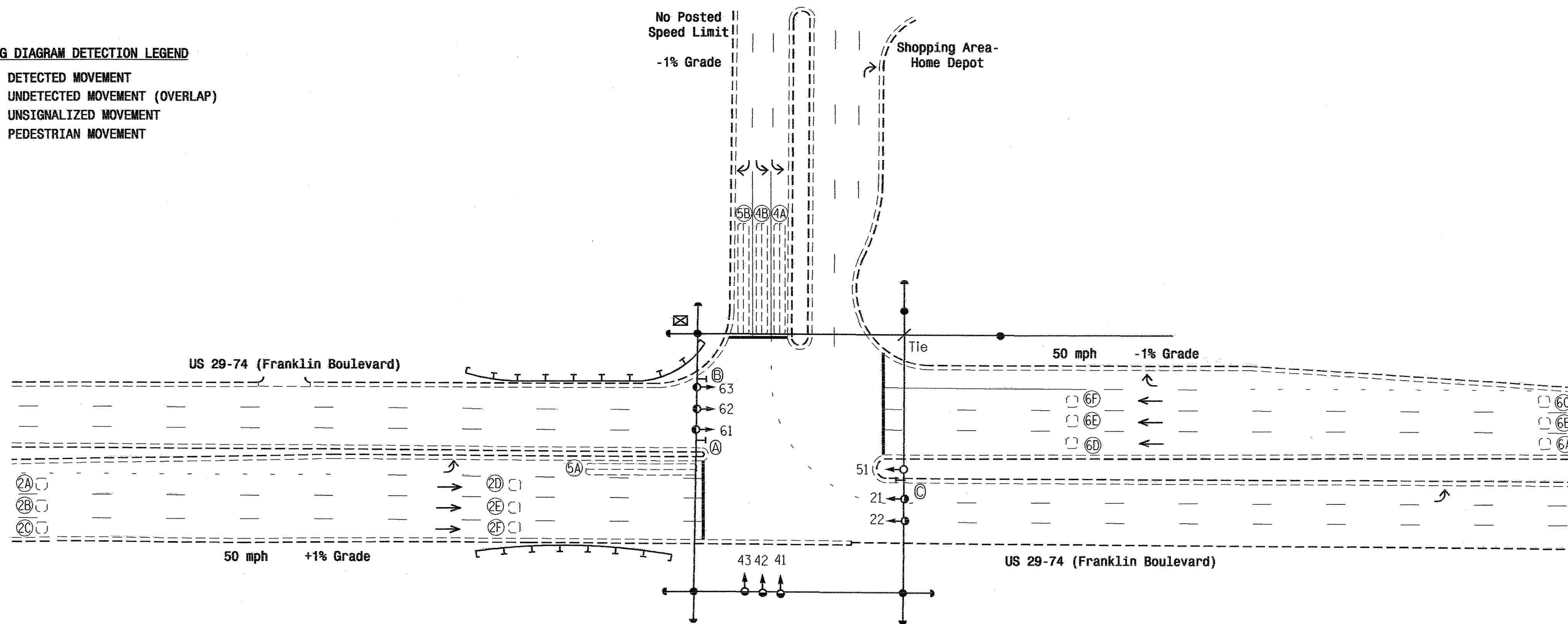
**3 Phase Fully Actuated (Gastonia City System)**

**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 5 may be lagged.
4. Reposition existing signal heads on main street and remove one of the three section heads.
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. Remove existing "Left Turn Signal" sign-(R10-10L).
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 #: 1454.

**PHASING DIAGRAM DETECTION LEGEND**

- → DETECTED MOVEMENT
- ◊ → UNDETECTED MOVEMENT (OVERLAP)
- - - → UNSIGNALIZED MOVEMENT
- → PEDESTRIAN MOVEMENT



FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	14	7	7	14
Extension 1 *	2.0	1.0	1.0	2.0
Max Green 1 *	45	25	20	45
Yellow Clearance	4.7	4.0	4.0	4.7
Red Clearance	1.7	3.2	2.5	1.7
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

INDUCTIVE LOOPS			DETECTOR PROGRAMMING									
LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
2A,2B,2C	6x6	Existing	Existing	-	2	Y	Y	-	-	2	-	Y
2D,2E,2F	6x6	Existing	Existing	-	2	Y	Y	-	-	-	-	Y
4A	6x60	Existing	Existing	-	4	Y	Y	-	-	-	-	Y
4B	6x60	Existing	Existing	-	4	Y	Y	-	-	-	-	Y
5A	6x60	Existing	Existing	-	5	Y	Y	-	-	-	-	Y
5B	6x60	Existing	Existing	-	5	Y	Y	-	-	-	15	Y
6A,6B,6C	6x6	Existing	Existing	-	6	Y	Y	-	-	2	-	Y
6D,6E,6F	6x6	Existing	Existing	-	6	Y	Y	-	-	-	-	Y

**LEGEND**

- |     |   |     |   |
|-----|---|-----|---|
| ○ → | PROPOSED Traffic Signal Head              | ● → | EXISTING Modified Signal Head                           |
| ◊ → | PROPOSED Modified Signal Head             | N/A | EXISTING Sign   |
| ⊥   | PROPOSED Pedestrian Signal Head           | ⊥   | EXISTING Pedestrian Signal Head With Push Button & Sign |
| ⊥   | PROPOSED Signal Pole with Guy             | ⊥   | EXISTING Signal Pole with Sidewalk Guy                  |
| ⊥   | PROPOSED Signal Pole with Sidewalk Guy    | ⊥   | EXISTING Inductive Loop Detector                        |
| ⊥   | PROPOSED Controller & Cabinet             | ⊥   | EXISTING Junction Box                                   |
| ⊥   | PROPOSED Junction Box                     | ⊥   | EXISTING 2-in Underground Conduit                       |
| N/A | PROPOSED Right of Way                     | --- | EXISTING Right of Way                                   |
| →   | PROPOSED Directional Arrow                | →   | EXISTING Pavement Marking Arrow                         |
| →   | PROPOSED No U-Turn Sign (R3-4)            | →   | EXISTING Right Arrow "ONLY" Sign (R3-5R)                |
| ⊙   | PROPOSED U-Turn "MUST YIELD" Sign (R3-27) | ⊙   | EXISTING U-Turn "MUST YIELD" Sign (R3-27)               |

**Signal Upgrade**

<p>Prepared in the Office of:                  Traffic Engineering and Signal Section                  Division of Transportation                  State of North Carolina</p>	<b>US 29-74 (Franklin Boulevard) at Shopping Area-Home Depot</b>		SEAL 
	Division 12 Gaston County Gastonia		
	PLAN DATE: April 2004 REVIEWED BY: P.J. Porter		
	PREPARED BY: A.B. Hambricht REVIEWED BY: [Signature]		
122 N. McDowell St., Raleigh, NC 27603 SCALE: 1"=40' 	REVISIONS: _____ INIT. DATE		SIGNATURE: _____ DATE: _____ SIG. INVENTORY NO. 12-1454