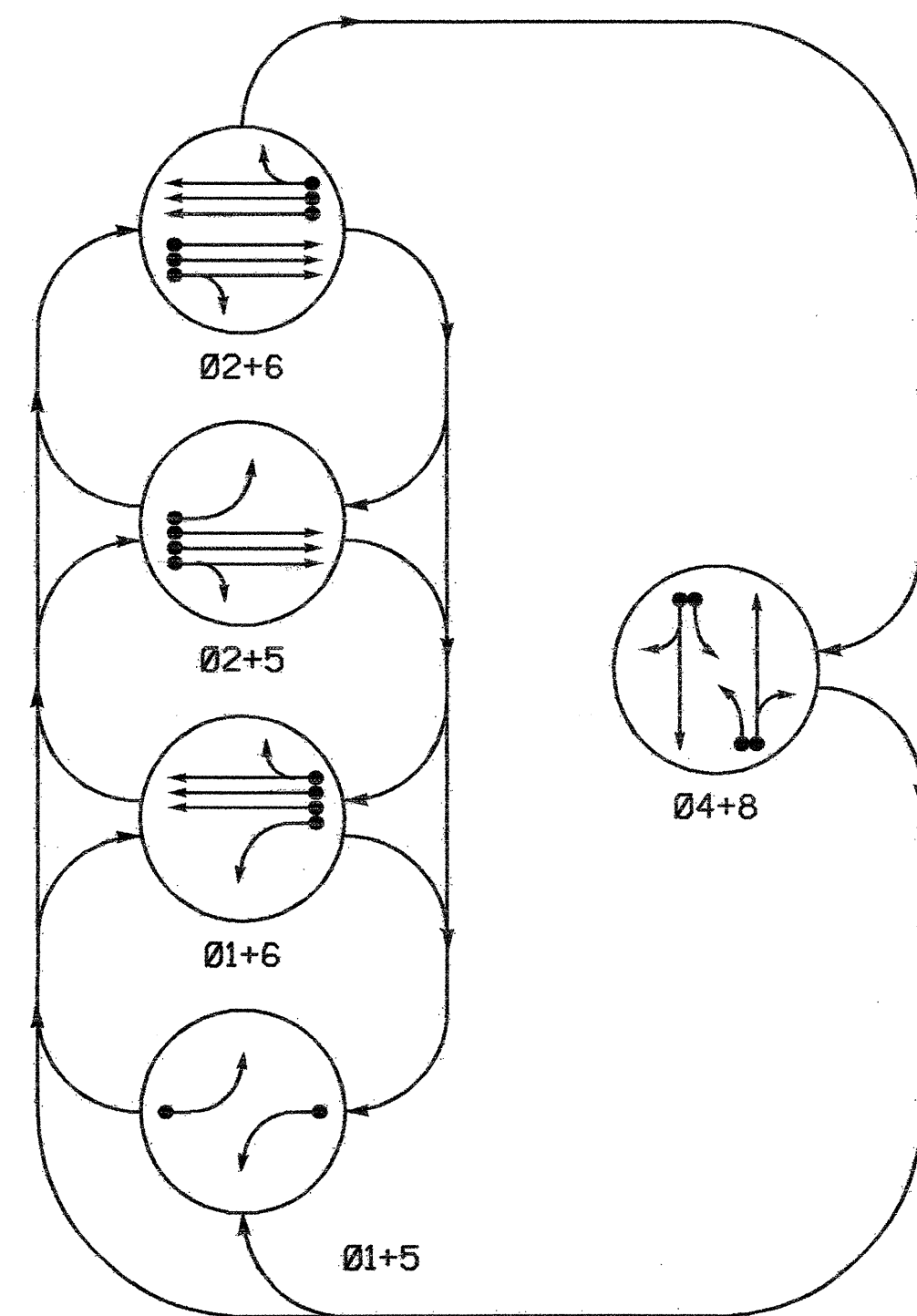
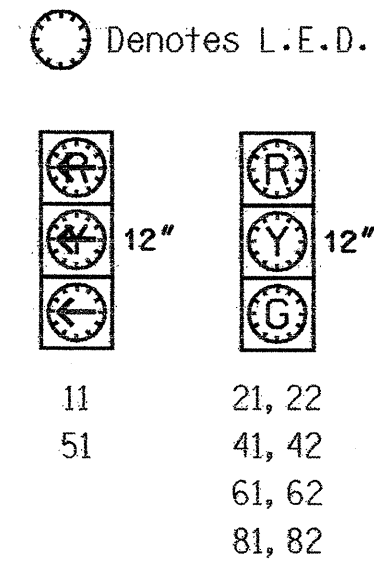


PHASING DIAGRAM



SIGNAL FACE	PHASE					
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 4+8	PEDEST
11	←	←	←	←	←	←
21, 22	R	R	G	G	R	Y
41, 42	R	R	R	R	G	R
51	←	←	←	←	←	←
61, 62	R	G	R	G	R	Y
81, 82	R	R	R	R	G	R

SIGNAL FACE I.D.



2070L LOOP & DETECTOR INSTALLATION

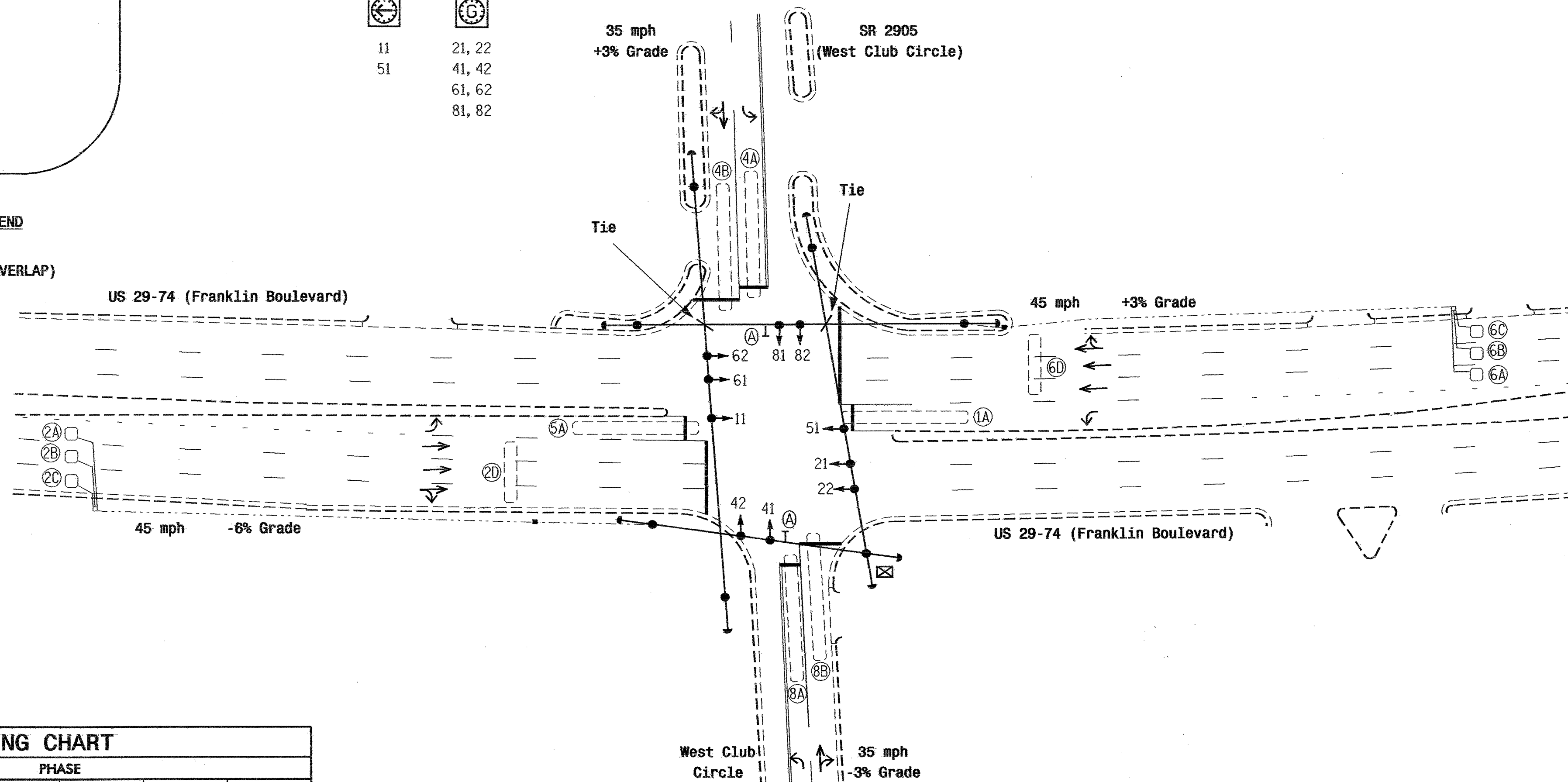
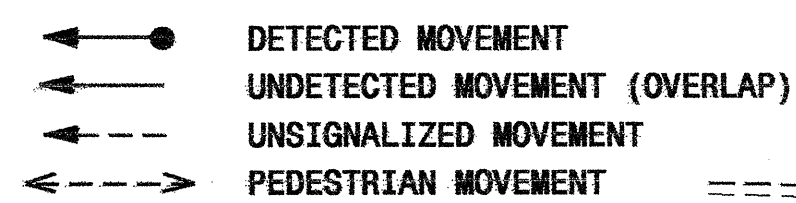
LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	6x60	EXISTING	EXISTING	-	1	Y	Y	-	-	-	-	Y
2A,2B,2C	6X6	5	300	Y	2	Y	Y	-	-	1.8	-	Y
2D	6x29	EXISTING	EXISTING	-	2	Y	Y	-	-	-	-	Y
4A	6x60	EXISTING	EXISTING	-	4	Y	Y	-	-	-	-	Y
4B	6x60	EXISTING	EXISTING	-	4	Y	Y	-	-	-	10	Y
5A	6x60	EXISTING	EXISTING	-	5	Y	Y	-	-	-	-	Y
6A,6B,6C	6X6	6	300	Y	6	Y	Y	-	-	1.8	-	Y
6D	6x29	EXISTING	EXISTING	-	6	Y	Y	-	-	-	-	Y
8A	6x60	EXISTING	EXISTING	-	8	Y	Y	-	-	-	-	Y
8B	6x60	EXISTING	EXISTING	-	8	Y	Y	-	-	-	10	Y

5 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.
- 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" signs (R10-10L).
- 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 #: 0942.

PHASING DIAGRAM DETECTION LEGEND

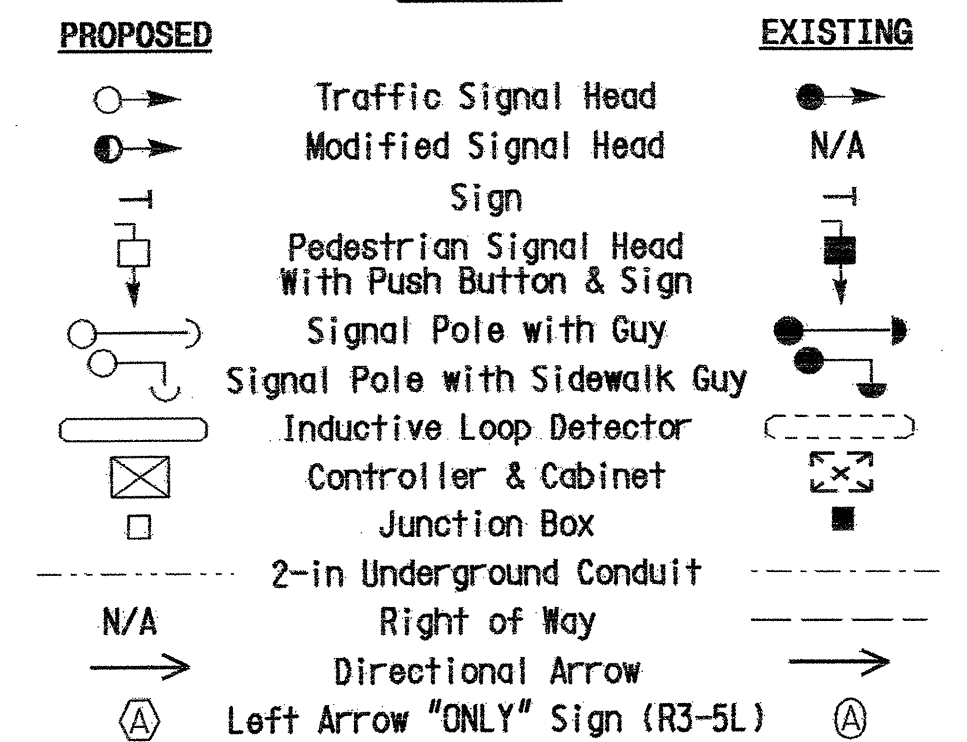


2070L TIMING CHART

FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1 *	7	12	7	7	12	7
Extension 1 *	2.0	2.0	2.0	1.0	2.0	1.0
Max Green 1 *	20	45	25	20	45	45
Yellow Clearance	4.0	4.7	4.0	4.0	4.7	4.0
Red Clearance	1.8	1.7	2.8	2.0	1.7	2.8
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	-	-	ON	-	-	ON
Simultaneous Gap	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: **US 29-74 (Franklin Boulevard) at SR 2905 (West Club Circle)**

Division 12 Gaston County Gastonia

PLAN DATE: August 2004 REVIEWED BY:

PREPARED BY: AB Hambricht REVIEWED BY:

REVISIONS INIT. DATE

SCALE: 1" = 40'

SIGNATURE: [Signature] DATE: 12-09-04

SIG. INVENTORY NO. 12-0942