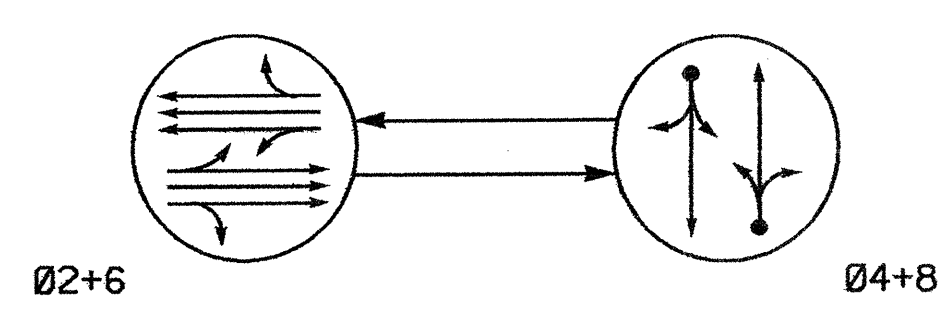


PHASING DIAGRAM

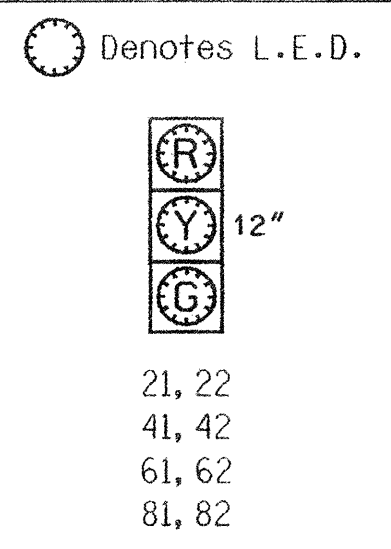


PHASING DIAGRAM DETECTION LEGEND
 ● ← DETECTED MOVEMENT
 ← UNDETECTED MOVEMENT (OVERLAP)
 - - - UNSIGNALIZED MOVEMENT
 - - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	2+6	4+8	6+8
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.



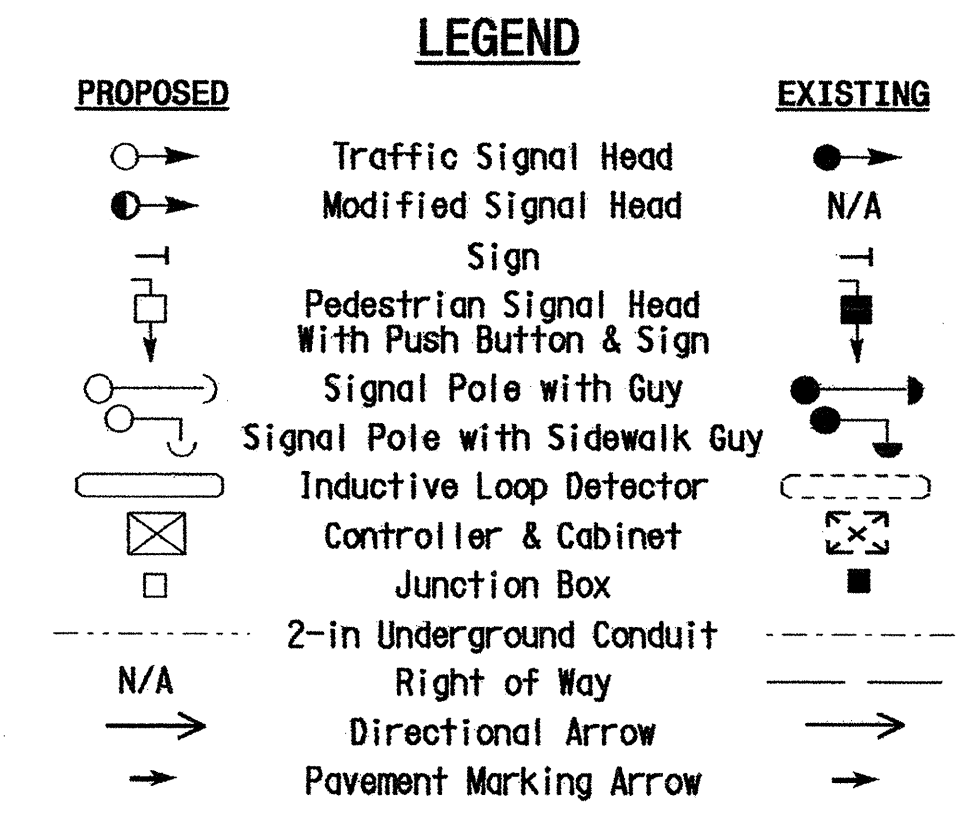
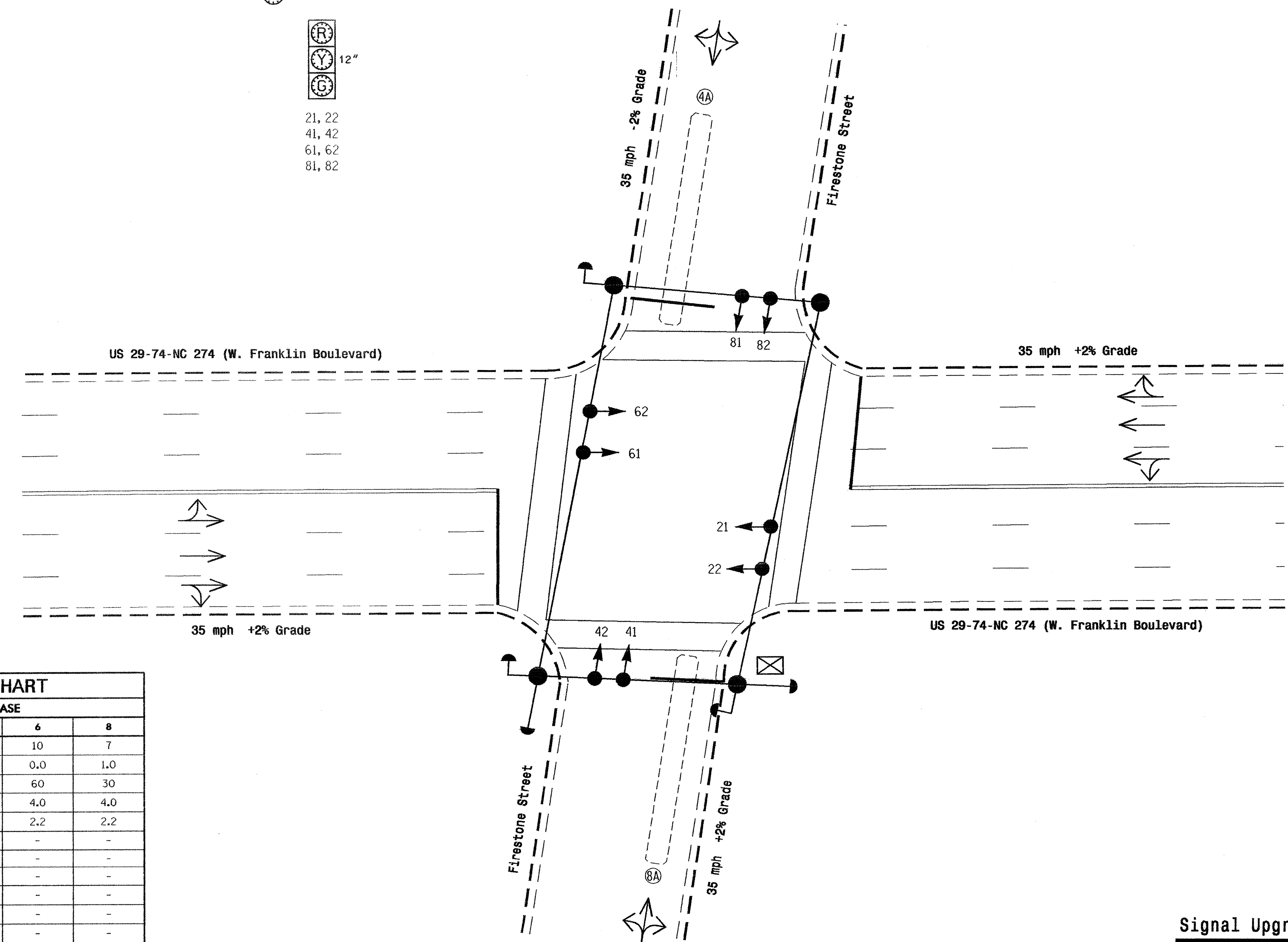
2070L LOOP & DETECTOR INSTALLATION

LOOP	INDUCTIVE LOOPS				DETECTOR PROGRAMMING							
	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
4A	EXISTING	EXISTING	EXISTING	-	4	Y	Y	-	-	-	5	Y
8A	EXISTING	EXISTING	EXISTING	-	8	Y	Y	-	-	-	5	Y

2 Phase Semi-Actuated (Gastonia City Signal System)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Pavement markings are existing.
- In the event of loop replacement, refer to the current Signals and Geometrics Design Manual and submit a Plan of Record to the Signals and Geometrics section.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- Set all detector units to presence mode.
- City system data: Controller Asset #0034.



2070L TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	0.0	1.0	0.0	1.0
Max Green 1 *	60	30	60	30
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	2.2	2.2	2.2	2.2
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX RECALL	-	MAX RECALL	-
Vehicle Call Memory	-	-	-	-
Dual Entry	-	ON	-	ON
Simultaneous Gap	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:

 122 N. McDowell St., Raleigh, NC 27603

US 29-74-NC 274 (W. Franklin Boulevard) at Firestone Street

Division 12 Gaston County Gastonia
 PLAN DATE: January 2005 REVIEWED BY: D.Y. Ishak
 PREPARED BY: Z.W. Little REVIEWED BY:

SCALE: 1" = 20'

REVISIONS: _____ INIT. DATE

SIGNATURE: _____ DATE: 7 FEBRUARY 05
 SEAL: _____
 SIG. INVENTORY NO. 12-0034

12-MV-2005-LE-30
 w:\pca\145-011\sig\2070l\20034_s.g.dsn_20050201.dgn
 12-MV-2005-LE-30
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