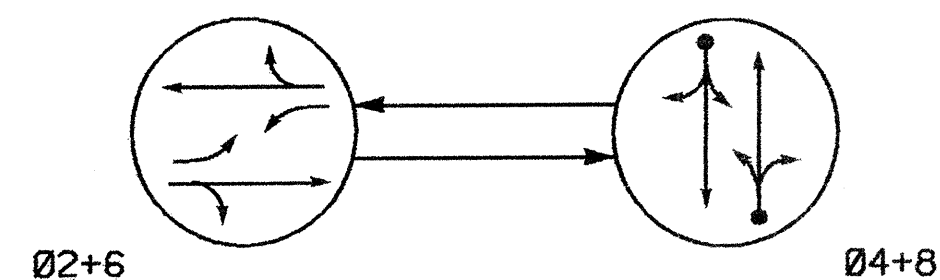


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

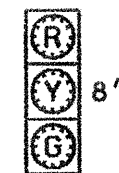
- ←•→ DETECTED MOVEMENT
- ←-→ UNDETECTED MOVEMENT (OVERLAP)
- ←---→ UNSIGNALIZED MOVEMENT
- ←- - - -> PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø2+6	Ø4+8	F.L.S.P.H.
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

⊙ Denotes L.E.D.



21, 22
41, 42
61, 62
81, 82

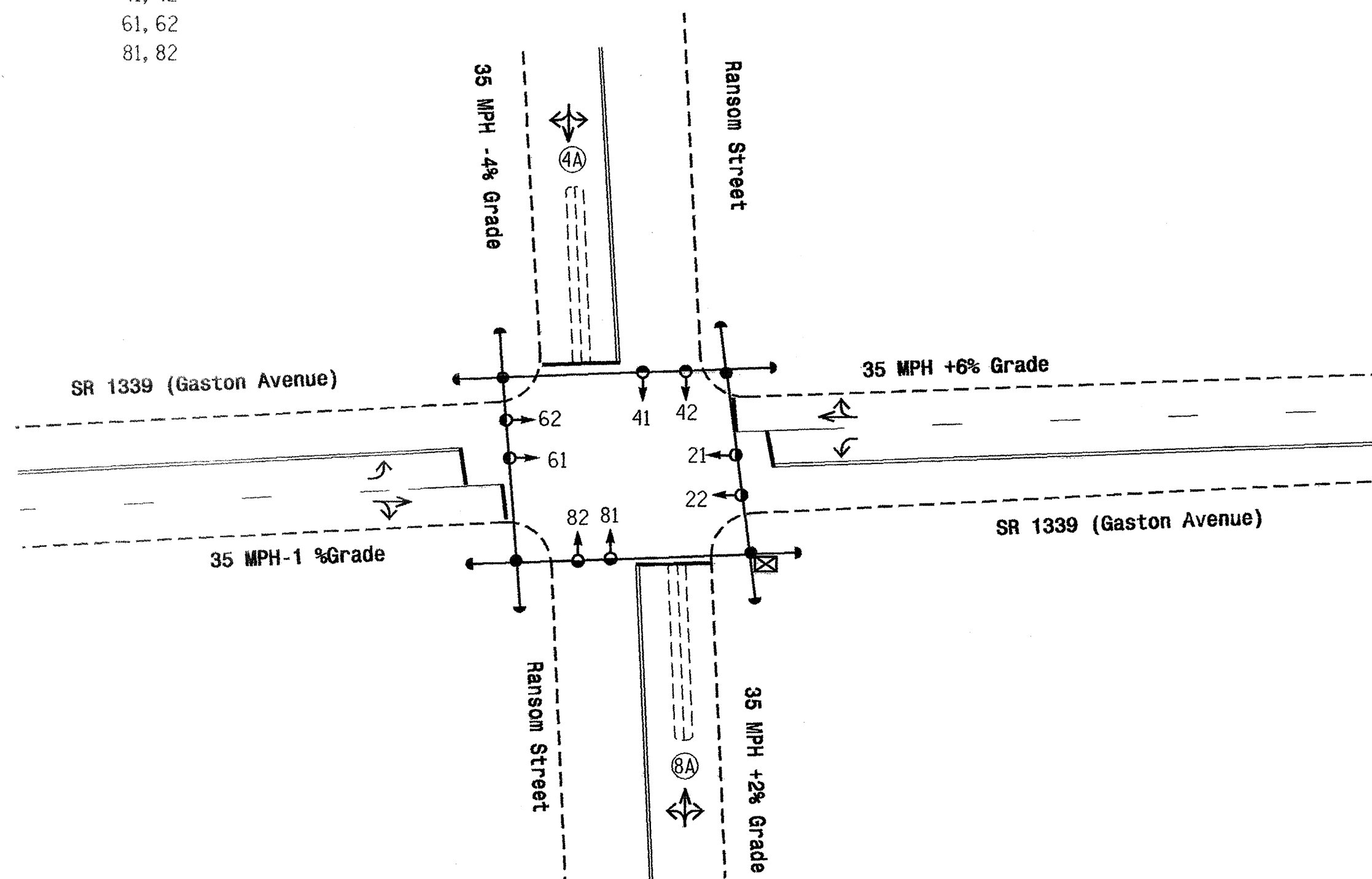
2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
4A	6X60	EXISTING	EXISTING	-	4	Y	Y	-	-	-	10	Y
8A	6X60	EXISTING	EXISTING	-	8	Y	Y	-	-	-	10	Y

2 Phase Semi-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.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 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 #: 0059.



LEGEND

PROPOSED	EXISTING
	N/A
N/A	

2070L TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	0	1.0	0	2.0
Max Green 1 *	45	25	45	25
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	1.7	2.1	1.7	2.1
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

* 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:
Traffic Engineering and Signal Systems
DIVISION OF TRANSPORTATION
Signal and Geometric Section
122 N. McDowell St., Raleigh, NC 27603

SR 1339 (Gaston Avenue) at Ransom Street

Division 12 Gaston County Gastonia

PLAN DATE: November 2004 PREPARED BY: L. Blount REVIEWED BY: D.Y. Ishak

REVISIONS: INIT. DATE

SCALE: 1" = 40'

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
REG. NO. 6911
REARL E. MULLINA
9 December 04

SIGNATURE DATE
SIC INVENTORY NO. 12-0059