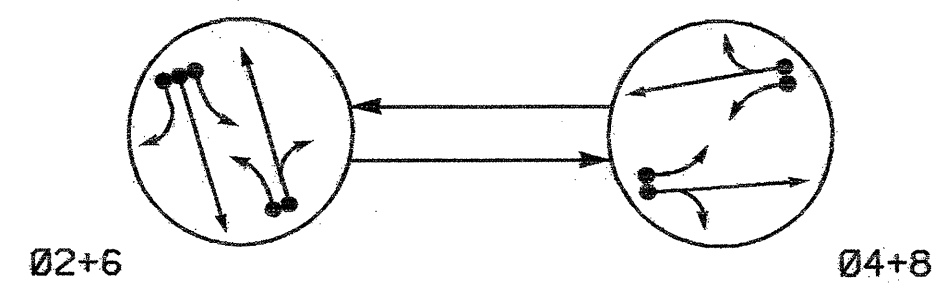


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ◀●▶ DETECTED MOVEMENT
 ◀◊▶ UNDETECTED MOVEMENT (OVERLAP)
 - - - UNSIGNALIZED MOVEMENT
 ◀◄▶ PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE		
	02+6	04+8	T
21,22	G	R	Y
41,42	R	G	R
61,62	G	R	Y
81,82	R	G	R

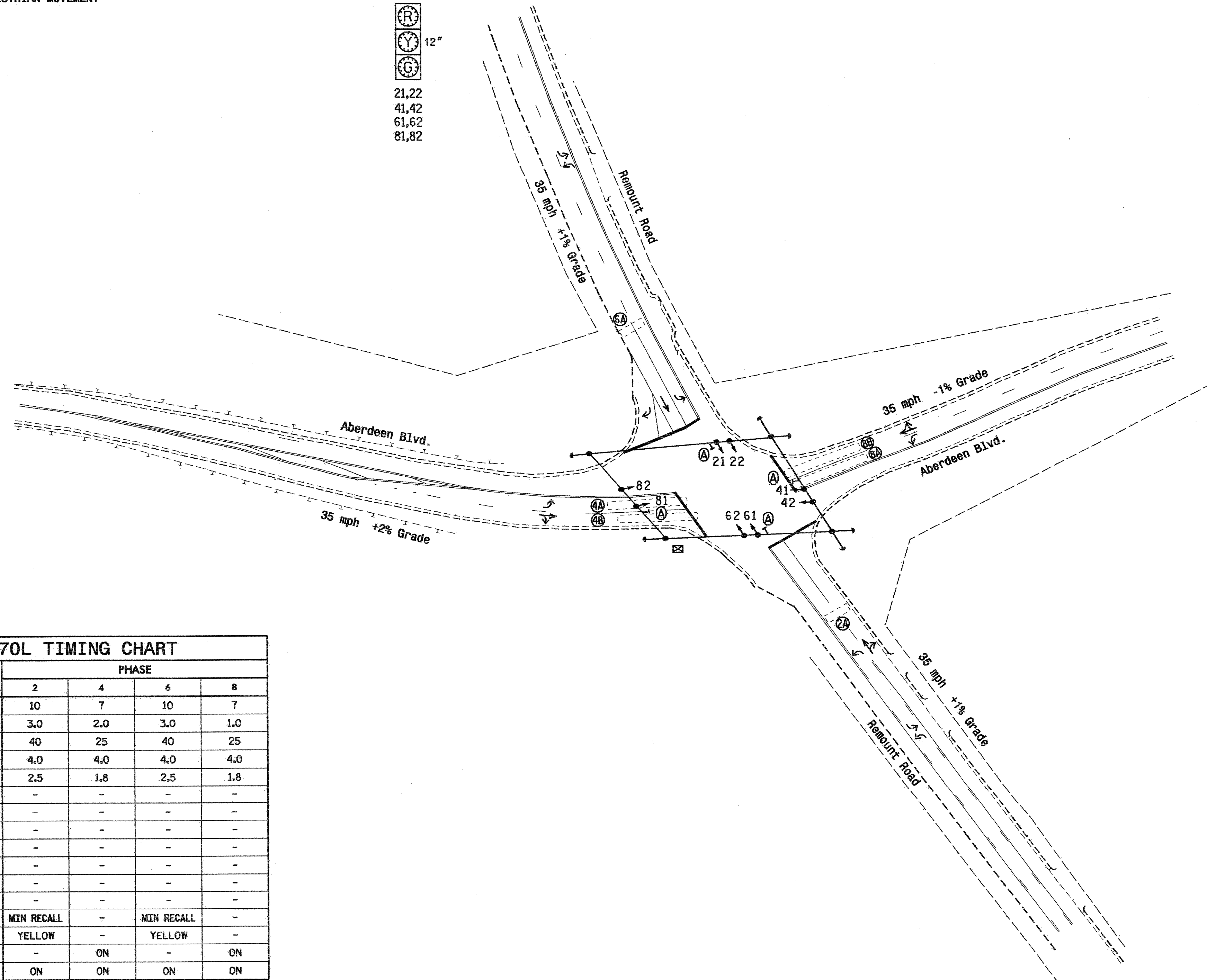
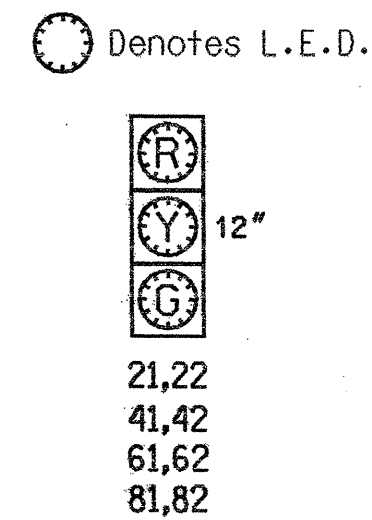
LOOP	INDUCTIVE LOOPS				DETECTOR PROGRAMMING							
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	LOOP SYSTEM	NEW CARD
2A	Existing	Existing	Existing	-	2	Y	Y	-	-	-	-	Y
4A,4B	Existing	Existing	Existing	-	4	Y	Y	-	-	3	-	Y
6A	Existing	Existing	Existing	-	6	Y	Y	-	-	-	-	Y
8A,8B	Existing	Existing	Existing	-	8	Y	Y	-	-	3	-	Y

2-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.
- 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 #0970.

SIGNAL FACE I.D.



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 *	3.0	2.0	3.0	1.0
Max Green 1 *	40	25	40	25
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	2.5	1.8	2.5	1.8
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

* 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 Offices of 122 N. McDowell St., Raleigh, NC 27603	Remount Road at Aberdeen Blvd.		SEAL D.Y. Ishak, P.E. 17 February 2005	
	Division 12	Gaston County		Gastonia
	PLAN DATE: February 2005	REVIEWED BY: D.Y. Ishak		
	PREPARED BY: Luhr	REVIEWED BY:		
SCALE	0 50			
	1"=50'			
	SIGNATURE	DATE		
			SIG. INVENTORY NO. City-07	