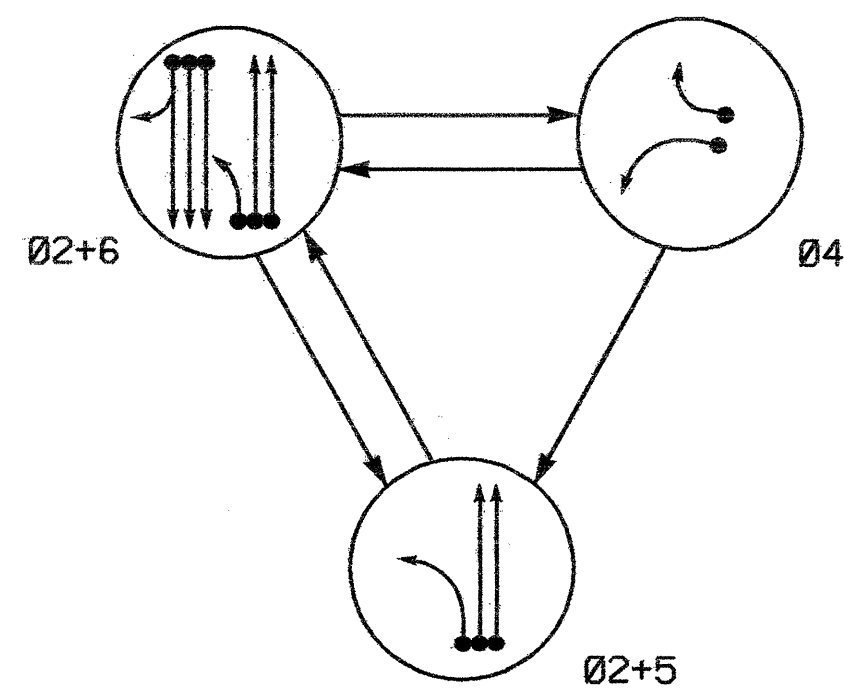


**PHASING DIAGRAM**



**PHASING DIAGRAM DETECTION LEGEND**

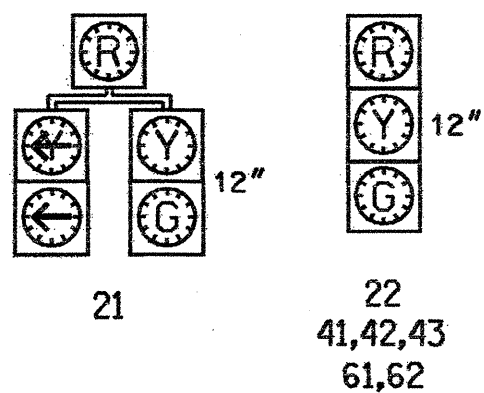
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

**TABLE OF OPERATION**

SIGNAL FACE	PHASE			
	02+5	02+6	04	F
21	G	G	R	Y
22	G	G	R	Y
41,42,43	R	R	G	R
61,62	R	G	R	Y

**SIGNAL FACE I.D.**

Denotes L.E.D.



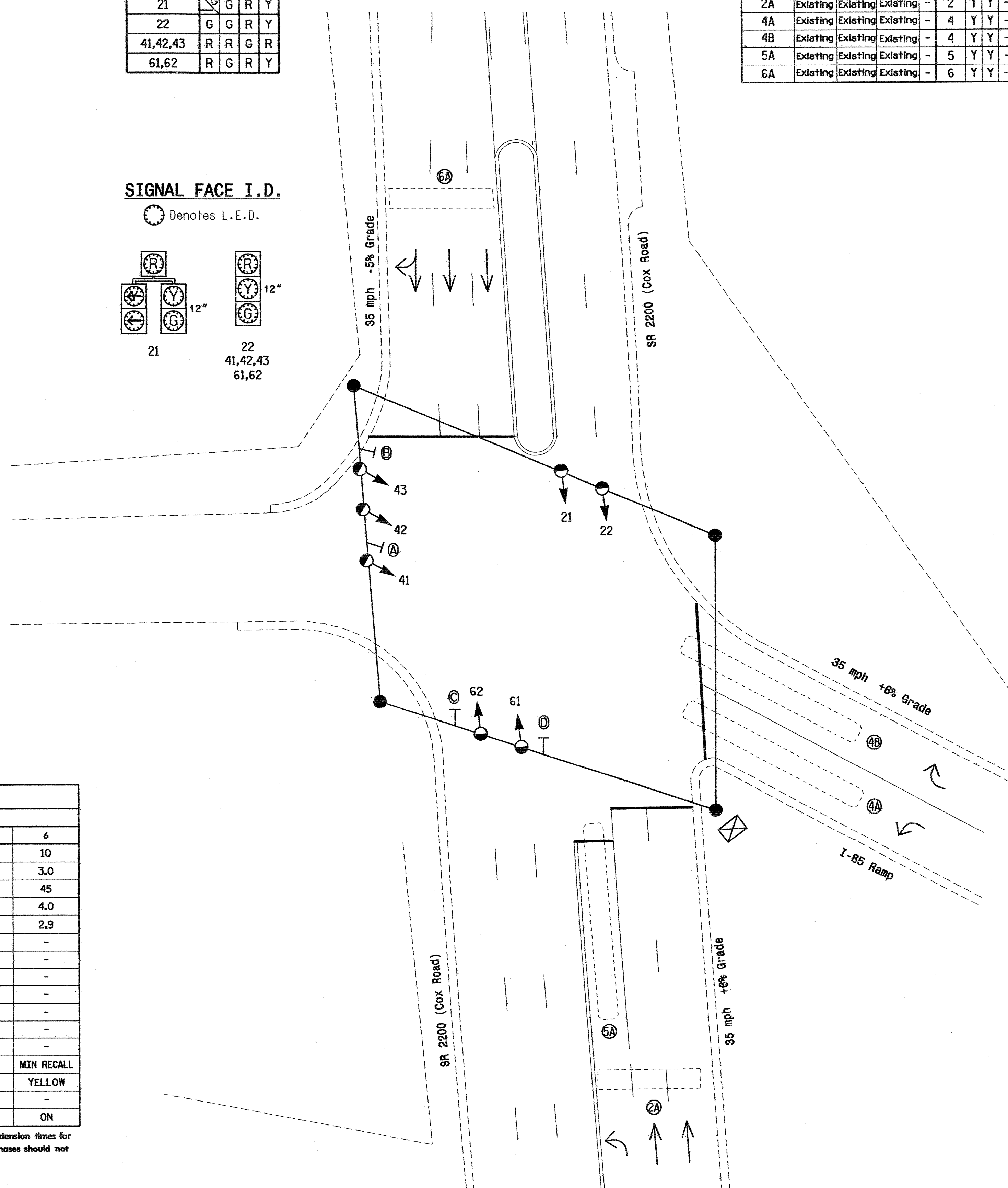
**2070L LOOP & DETECTOR INSTALLATION**

LOOP	SIZE (FT)	INDUCTIVE LOOPS				DETECTOR PROGRAMMING						
		DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING EXTENSION FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD		
2A	Existing	Existing	Existing	-	2	Y	Y	-	-	-	-	Y
4A	Existing	Existing	Existing	-	4	Y	Y	-	-	-	-	Y
4B	Existing	Existing	Existing	-	4	Y	Y	-	-	10	-	Y
5A	Existing	Existing	Existing	-	5	Y	Y	-	-	3	-	Y
6A	Existing	Existing	Existing	-	6	Y	Y	-	-	-	-	Y

**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. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Pavement markings are existing.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
7. City system data: Controller Asset #0902.



**2070L TIMING CHART**

FEATURE	PHASE			
	2	4	5	6
Min Green 1*	10	7	7	10
Extension 1*	3.0	2.0	2.0	3.0
Max Green 1*	45	30	15	45
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	2.9	1.2	2.9	2.9
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

\* 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**

- | PROPOSED | EXISTING |
|----------|----------|
|          |          |
|          | N/A      |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
| N/A      |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |

**Signal Upgrade**

Prepared in the Office of:  
  
 122 N. McDowell St., Raleigh, NC 27603

**SR 2200 (Cox Road) at I-85 SB Ramp**

Division 12 Gaston County Gastonia  
 PLAN DATE: January 2005 REVIEWED BY: D.Y. Ishak  
 PREPARED BY: Lühr REVIEWED BY: \_\_\_\_\_  
 REVISIONS \_\_\_\_\_ INIT. DATE \_\_\_\_\_

SCALE: 1"=20'

SEAL  
  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SIG. INVENTORY NO. 12-0902

12-MAY-2005 08:46 w:\p000\lsh-unit\work\orig\sig-up\proj\cts\sig-up\1736\sig-up\plans\12-0902\120902-11.dgn 20050208.dgn