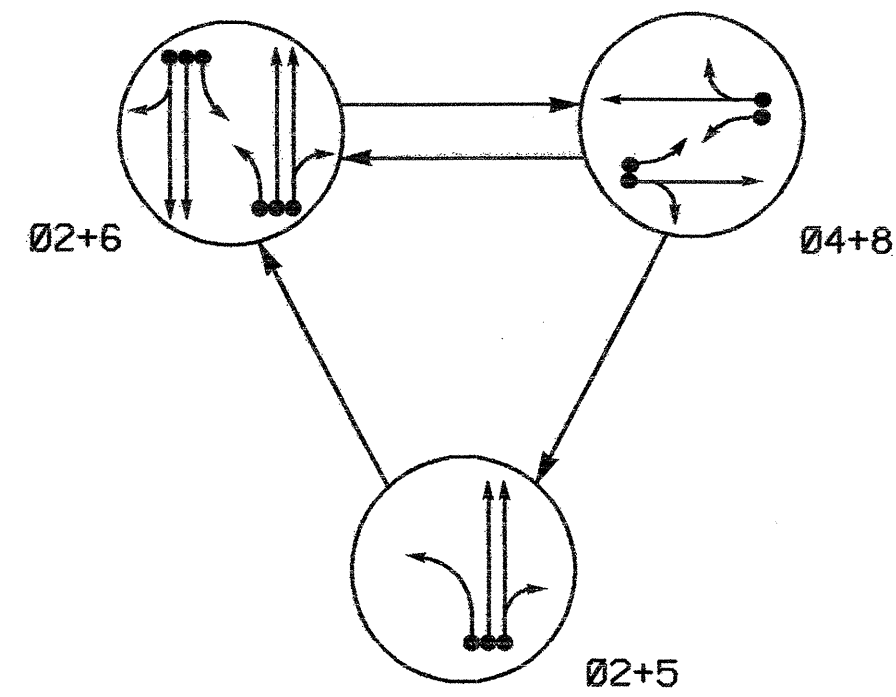
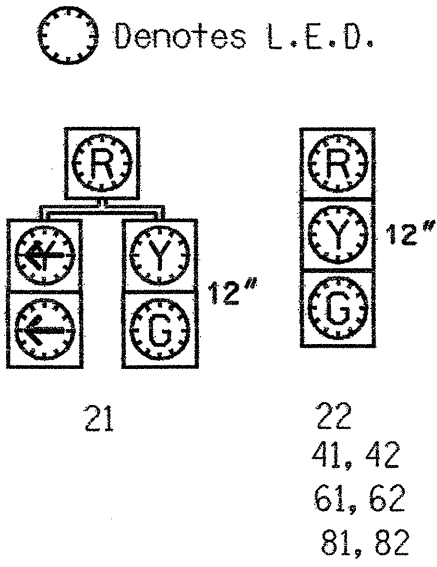


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	02+5	02+6	04+8	FLASH
21	G	R	Y	
22	G	G	R	Y
41, 42	R	R	G	R
61, 62	R	G	R	Y
81, 82	R	R	G	R

SIGNAL FACE I.D.



PHASING DIAGRAM DETECTION LEGEND

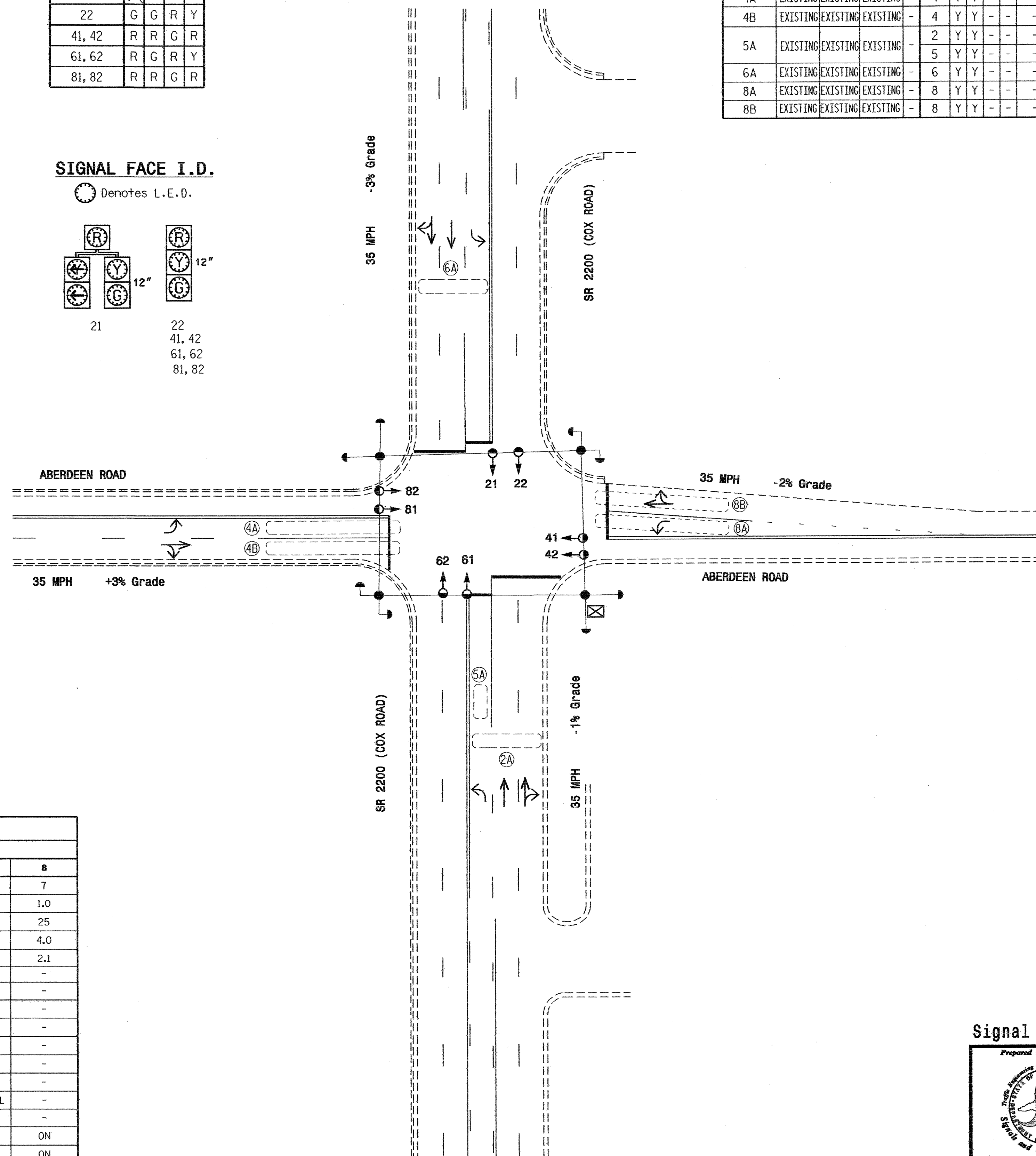
- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- ←---→ UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
2A	EXISTING	EXISTING	EXISTING	-	2	Y	Y	-	-	-	-	Y
4A	EXISTING	EXISTING	EXISTING	-	4	Y	Y	-	-	-	3	Y
4B	EXISTING	EXISTING	EXISTING	-	4	Y	Y	-	-	-	10	Y
5A	EXISTING	EXISTING	EXISTING	-	2	Y	Y	-	-	-	-	Y
					5	Y	Y	-	-	-	15	Y
6A	EXISTING	EXISTING	EXISTING	-	6	Y	Y	-	-	-	-	Y
8A	EXISTING	EXISTING	EXISTING	-	8	Y	Y	-	-	-	3	Y
8B	EXISTING	EXISTING	EXISTING	-	8	Y	Y	-	-	-	10	Y

3 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.
- Omit phase 5 during phase 6 on.
- Program controller to clear from phase 2+6 to phase 2+5 by progressing through phase 4+8 (see Electrical Details).
- 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 #1282.



FEATURE	PHASE				
	2	4	5	6	8
Min Green 1 *	10	7	7	10	7
Extension 1 *	3.0	1.0	1.0	3.0	1.0
Max Green 1 *	45	25	15	45	25
Yellow Clearance	4.0	4.0	4.0	4.0	4.0
Red Clearance	1.6	2.1	1.3	1.6	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	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
○→ Traffic Signal Head	●→ Traffic Signal Head
●→ Modified Signal Head	N/A
○→ Sign	N/A
○→ Pedestrian Signal Head With Push Button & Sign	○→ Pedestrian Signal Head
○→ Signal Pole with Guy	○→ Signal Pole with Guy
○→ Signal Pole with Sidewalk Guy	○→ Signal Pole with Sidewalk Guy
□→ Inductive Loop Detector	□→ Inductive Loop Detector
□→ Controller & Cabinet	□→ Controller & Cabinet
□→ Junction Box	□→ Junction Box
○→ 2-in Underground Conduit	○→ 2-in Underground Conduit
N/A	→ Right of Way
→ Directional Arrow	→ Directional Arrow
→ Pavement Marking Arrow	→ Pavement Marking Arrow

Signal Upgrade

122 N. McDowell St., Raleigh, NC 27603

**SR 2200 (Cox Road) at Aberdeen Road**

Division 12 Gaston County

PLAN DATE: January 2005 REVIEWED BY: *DSS*

PREPARED BY: C. Pierce REVIEWED BY:

SEAL

137

SCALE: 1"=30'

REVISIONS	INIT.	DATE

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

SIG. INVENTORY NO. 12-1282