PHASING DIAGRAM

Ø2+6   4+8

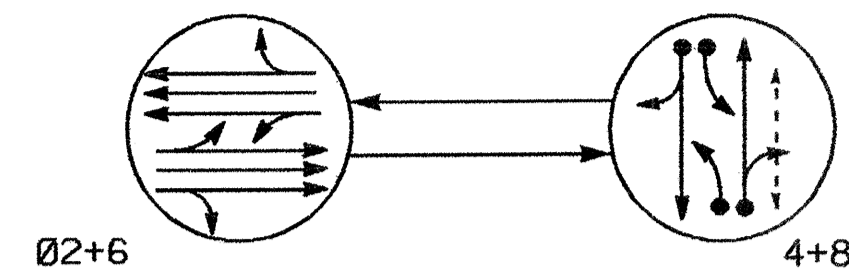### PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	Ø2+6	Ø4+8	FLASH
	PHASE		
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.

Ⓡ
Ⓨ 12"
Ⓖ

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

2070L LOOP & DETECTOR INSTALLATION

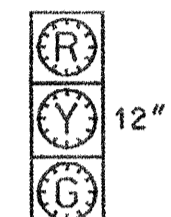|	INDUCTIVE LOOPS				DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
4A, 4B	EXISTING	EXISTING	EXISTING	—	4	Y	Y	—	—	—	5	Y
8A, 8B	EXISTING	EXISTING	EXISTING	—	8	Y	Y	—	—	—	5	Y

2 Phase
Semi-Actuated
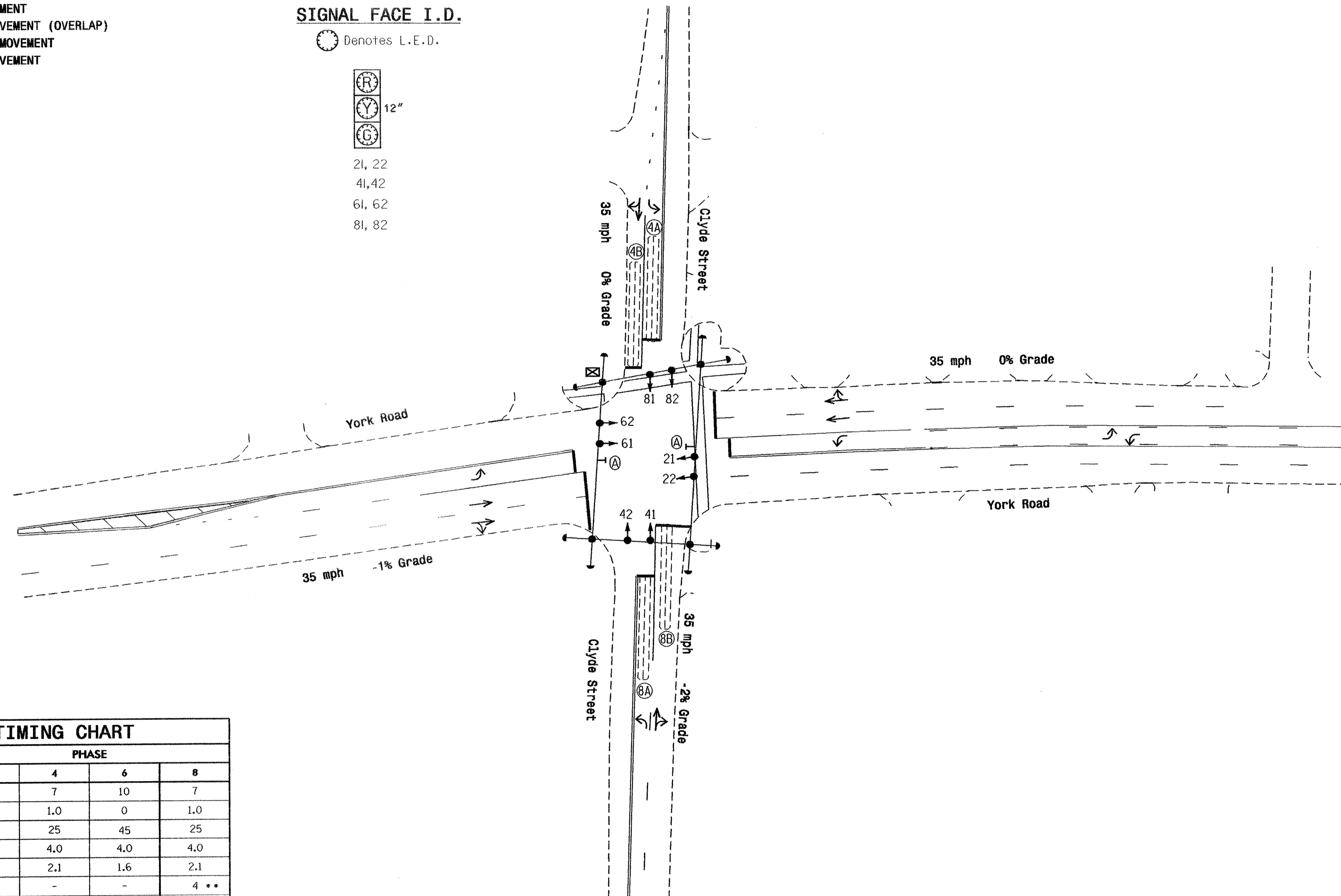## (Gastonia City System)

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 #0065.

2070L TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	0	1.0	0	1.0
Max Green 1 *	45	25	45	25
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	1.6	2.1	1.6	2.1
Walk 1 *	–	–	–	4 **
Don't Walk 1	–	–	–	15 **
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.

** These values are due to existing pedestrian push buttons.

Signal Upgrade

LEGEND

PROPOSED		EXISTING
○—➤	Traffic Signal Head	●—➤
◑—➤	Modified Signal Head	N/A
⌐	Sign	⌐
▯	Pedestrian Signal Head With Push Button & Sign	▮
○—	Signal Pole with Guy	●—
○⟋	Signal Pole with Sidewalk Guy	●⟋
▭	Inductive Loop Detector	⟨ ⟩
⊠	Controller & Cabinet	⋈
□	Pull Box	■
⋯⋯	2-in Underground Conduit	⋯⋯
▲	Right of Way with Marker	△
→	Directional Arrow	→
➞	Pavement Marking Arrow	➞
N/A	"YIELD" Sign (R1-2)	Ⓐ

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

York Road
at
Clyde Street

Division 12	Gaston County	Gastonia
PLAN DATE: February 2005	REVIEWED BY:	
PREPARED BY: C. Pierce	REVIEWED BY: D. Y. Ishak	
REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
E. MULLINS

SIGNATURE   DATE
17 February 05

12-0065

SCALE
0   40
1" = 40'