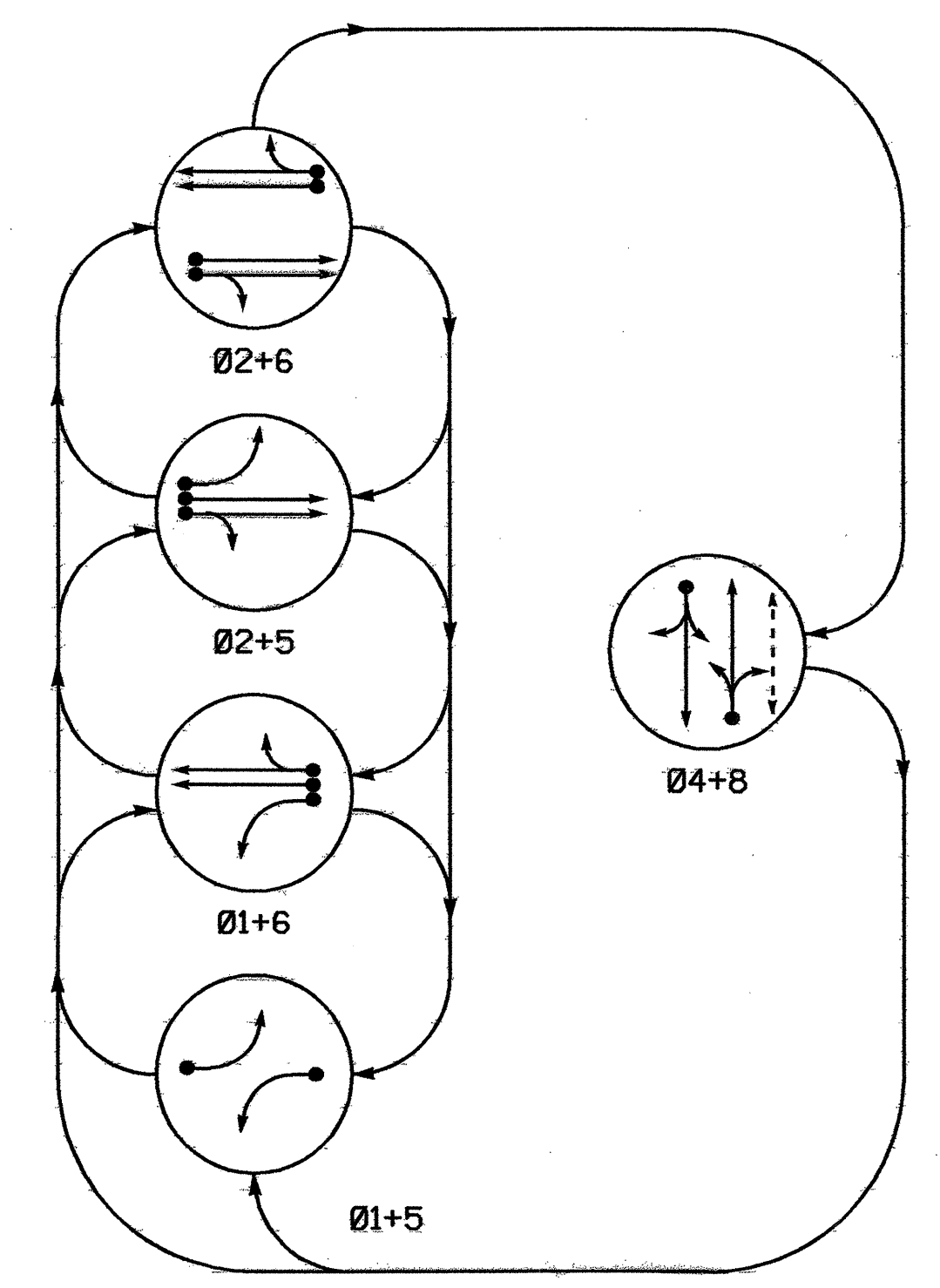


5 Phase Fully Actuated
Gastonia City System

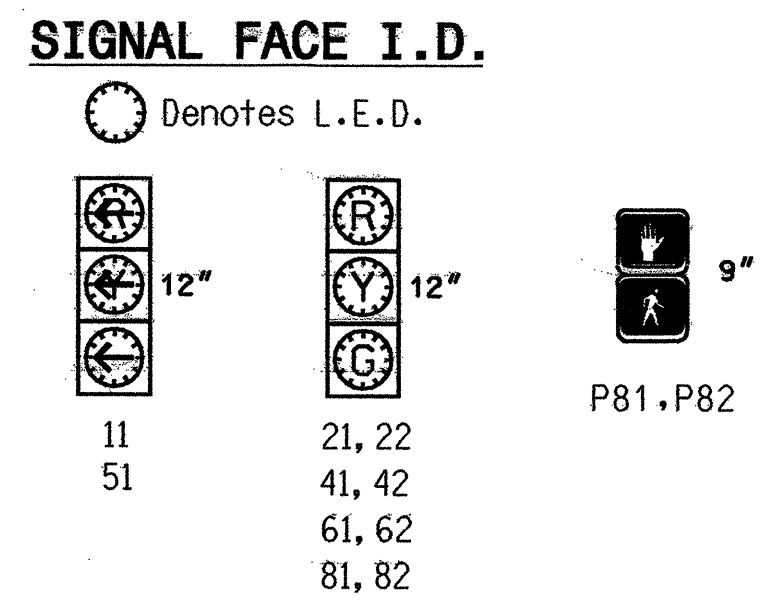
NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- Phase 1 or phase 5 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 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 #1489.

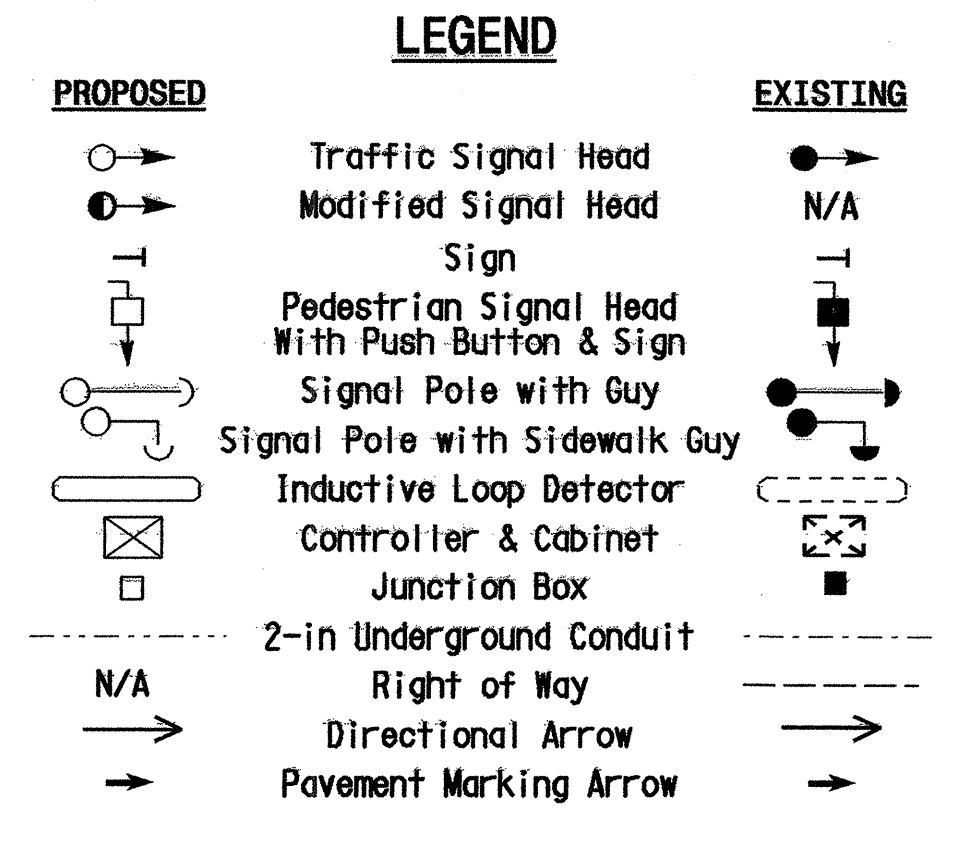
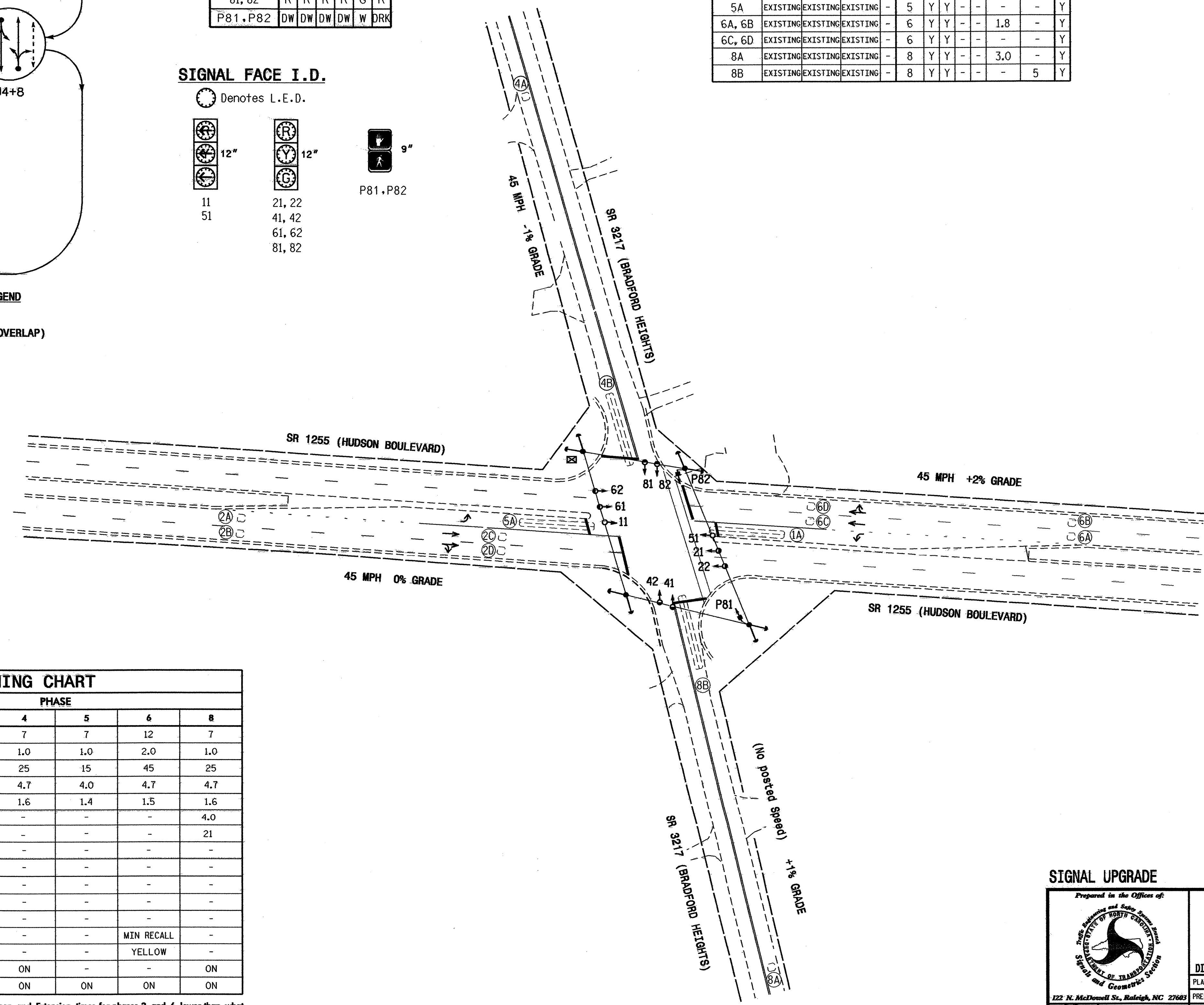
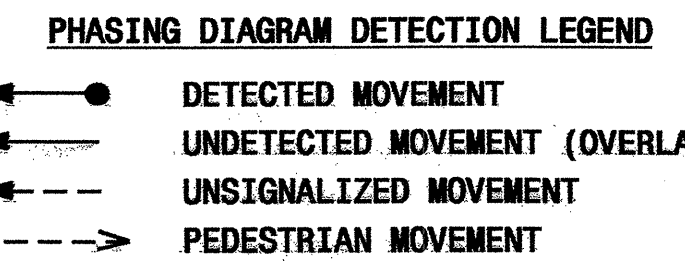
PHASING DIAGRAM



SIGNAL FACE	PHASE					
	Ø 1 + 5	Ø 1 + 6	Ø 2 + 5	Ø 2 + 6	Ø 4 + 8	TRUCK
11	-	-	-	-	-	-
21, 22	R	R	G	G	R	Y
41, 42	R	R	R	R	G	R
51	-	-	-	-	-	-
61, 62	R	G	R	G	R	Y
81, 82	R	R	R	R	G	R
P81, P82	DW	DW	DW	DW	W	DRK



2070L LOOP & DETECTOR INSTALLATION												
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	LOOP NEW	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	EXISTING	EXISTING	EXISTING	-	1	Y	Y	-	-	-	-	Y
2A, 2B	EXISTING	EXISTING	EXISTING	-	2	Y	Y	-	-	1.8	-	Y
2C, 2D	EXISTING	EXISTING	EXISTING	-	2	Y	Y	-	-	-	-	Y
4A	EXISTING	EXISTING	EXISTING	-	4	Y	Y	-	-	3.0	-	Y
4B	EXISTING	EXISTING	EXISTING	-	4	Y	Y	-	-	-	5	Y
5A	EXISTING	EXISTING	EXISTING	-	5	Y	Y	-	-	-	-	Y
6A, 6B	EXISTING	EXISTING	EXISTING	-	6	Y	Y	-	-	1.8	-	Y
6C, 6D	EXISTING	EXISTING	EXISTING	-	6	Y	Y	-	-	-	-	Y
8A	EXISTING	EXISTING	EXISTING	-	8	Y	Y	-	-	3.0	-	Y
8B	EXISTING	EXISTING	EXISTING	-	8	Y	Y	-	-	-	5	Y



2070L TIMING CHART							
FEATURE	PHASE						
	1	2	4	5	6	8	
Min Green 1*	7	12	7	7	12	7	
Extension 1*	1.0	2.0	1.0	1.0	2.0	1.0	
Max Green 1*	15	45	25	15	45	25	
Yellow Clearance	4.0	4.7	4.7	4.0	4.7	4.7	
Red Clearance	1.4	1.5	1.6	1.4	1.5	1.6	
Walk 1*	-	-	-	-	-	4.0	
Don't Walk 1	-	-	-	-	-	21	
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	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:
**SR 1255 (HUDSON BOULEVARD)
AT
SR 3217 (BRADFORD HEIGHTS)**

DIVISION 12 GASTON COUNTY GASTONIA
 PLAN DATE: February 2005 REVIEWED BY:
 PREPARED BY: C. Pierce REVIEWED BY: D. Y. Ishak
 REVISIONS: INIT. DATE

122 N. McDowell St., Raleigh, NC 27603
 SCALE: 0 50
 1" = 50'

SEAL
 NORTH CAROLINA
 PROFESSIONAL ENGINEER
 STATE OF NORTH CAROLINA
 ROAD E. MULLINAX
 28 FEBRUARY 05
 SIGNATURE DATE
 SIG. INVENTORY NO. 12-1459