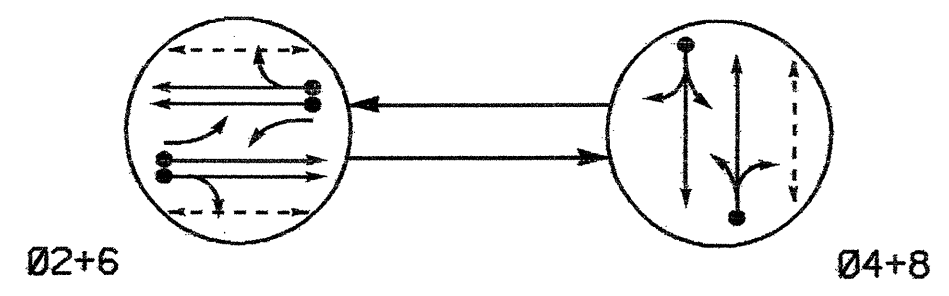


2 Phase
 Fully Actuated
 (Gastonia City System)

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

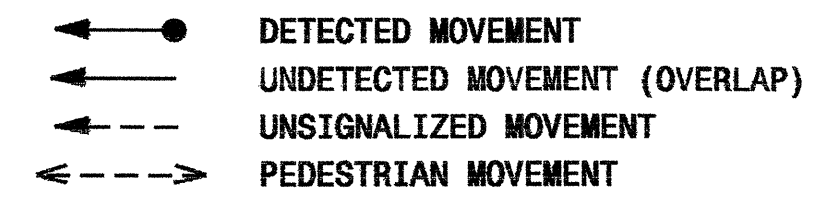
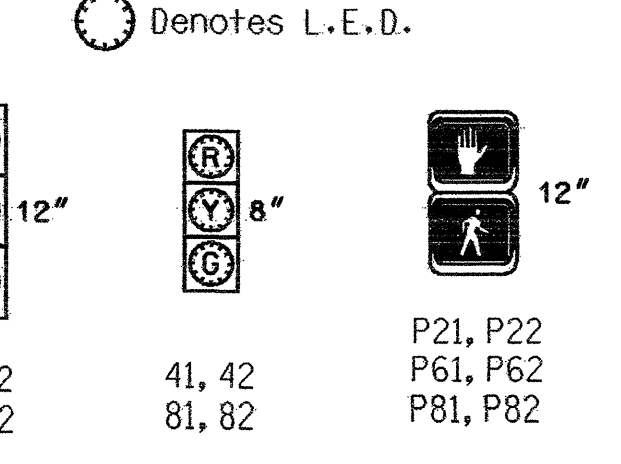


TABLE OF OPERATION

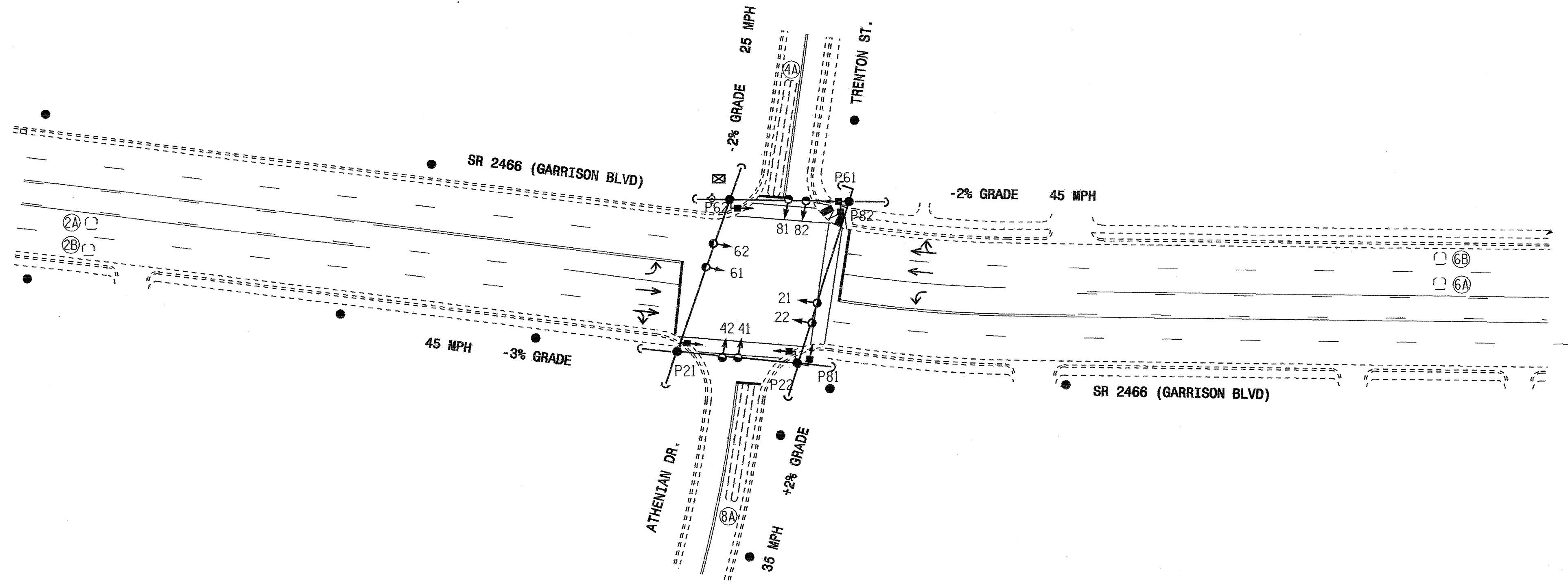
SIGNAL FACE	PHASE		
	Ø2+6	Ø4+8	FLASH
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R
P21, P22	W	DW	DRK
P61, P62	W	DW	DRK
P81, P82	DW	W	DRK

SIGNAL FACE I.D.

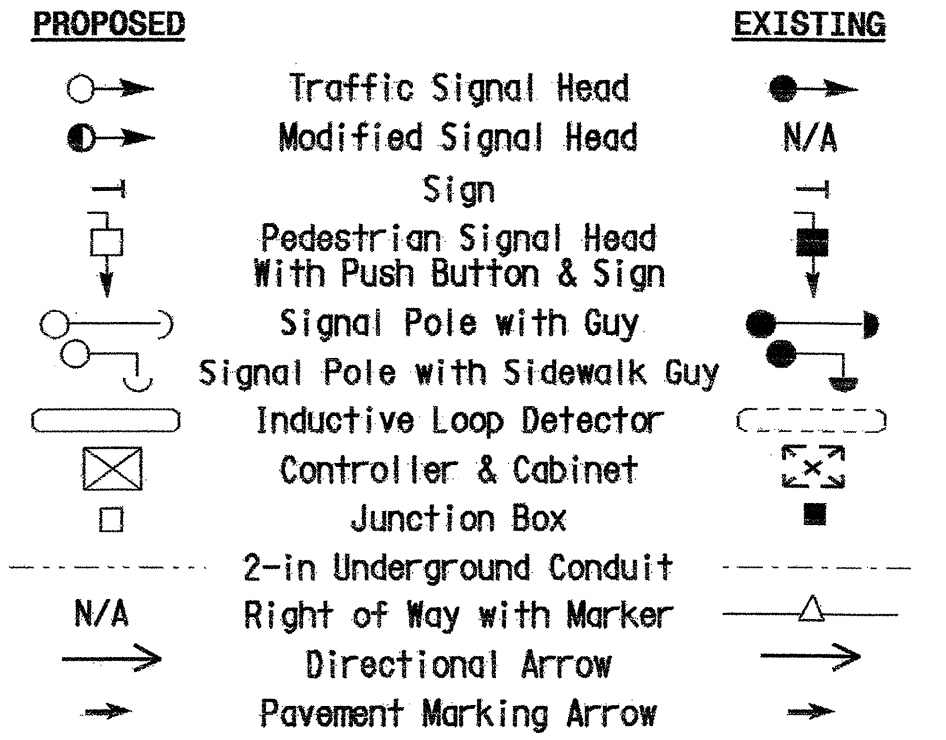


NOTES

- 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.
- 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 #: 1543.



LEGEND



2070L TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	12	7	12	7
Extension 1 *	6.0	1.0	6.0	2.0
Max Green 1 *	90	25	90	25
Yellow Clearance	4.7	4.0	4.7	4.0
Red Clearance	1.2	2.1	1.2	2.1
Walk 1 *	4	-	4	4
Don't Walk 1	9	-	9	13
Seconds Per Actuation *	1.5	-	1.5	-
Max Variable Initial *	34	-	34	-
Time Before Reduction *	15	-	15	-
Time To Reduction *	40	-	40	-
Minimum Gap	3.0	-	3.0	-
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.

2070L LOOP & DETECTOR INSTALLATION

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING								
	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
2B	EXISTING	EXISTING	EXISTING	-	2	Y	Y	-	-	-	-	Y
4A	EXISTING	EXISTING	EXISTING	-	4	Y	Y	-	-	-	10	Y
6A	EXISTING	EXISTING	EXISTING	-	6	Y	Y	-	-	-	-	Y
6B	EXISTING	EXISTING	EXISTING	-	6	Y	Y	-	-	-	-	Y
8A	EXISTING	EXISTING	EXISTING	-	8	Y	Y	-	-	-	10	Y

Signal Upgrade

122 N. McDowell St., Raleigh, NC 27603

SR 2466 (Garrison Blvd.)
 At
 Trenton St./Athenian Dr. (NS)

Division 12 Gaston County Gastonia

PLAN DATE: October 2004 REVIEWED BY: Z.M. Little

PREPARED BY: L. Blount REVIEWED BY: D.Y. Ishak

SCALE: 1" = 40'

SIGNATURE: _____ DATE: _____

SIG. INVENTORY NO. 12-1543