

2 Phase
Pre-Timed w/ RR Preempt
Gastonia City System

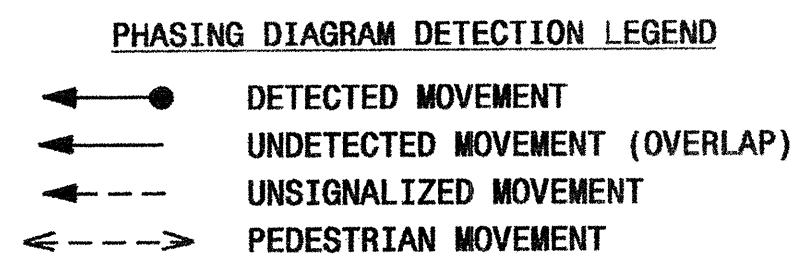
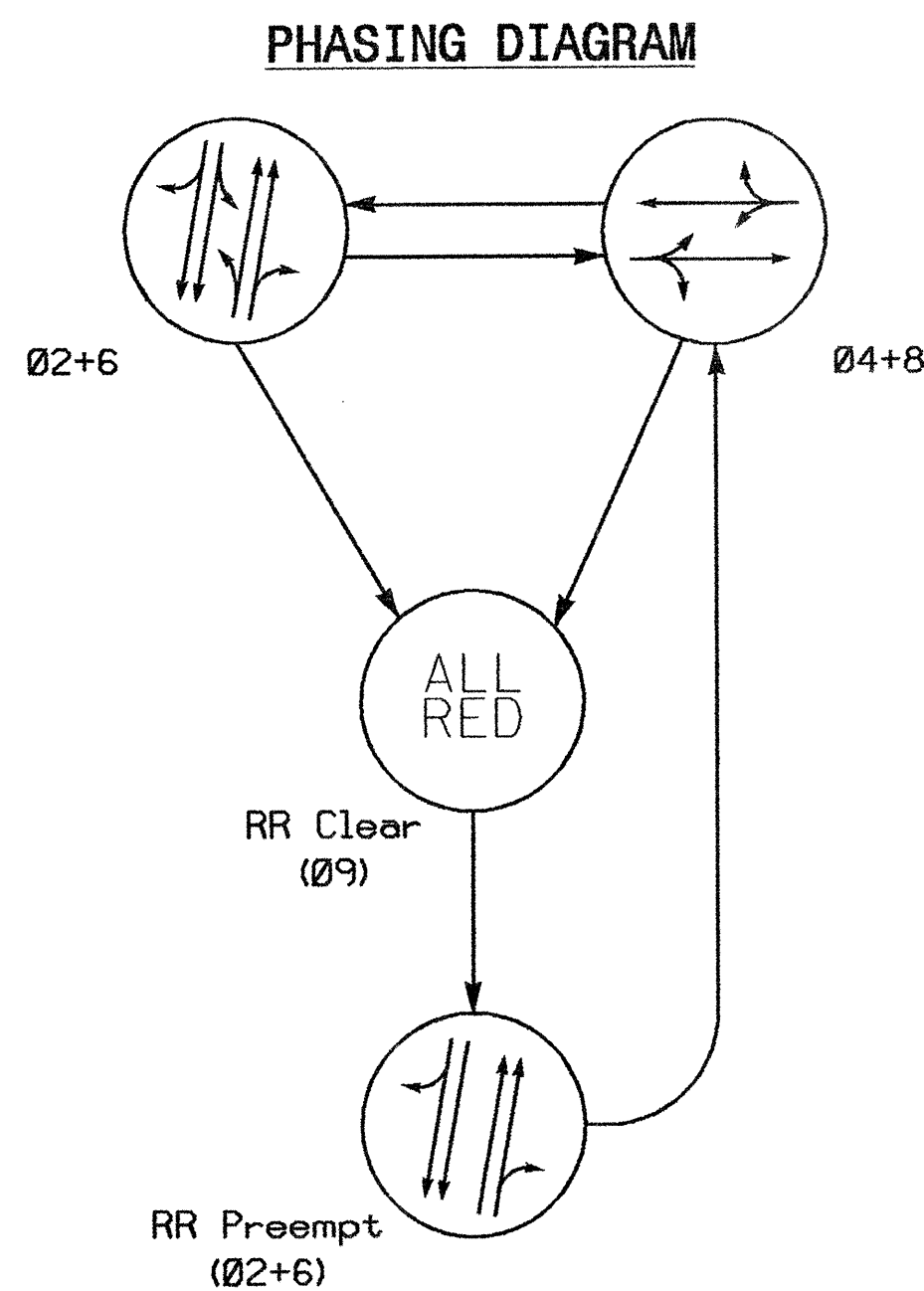
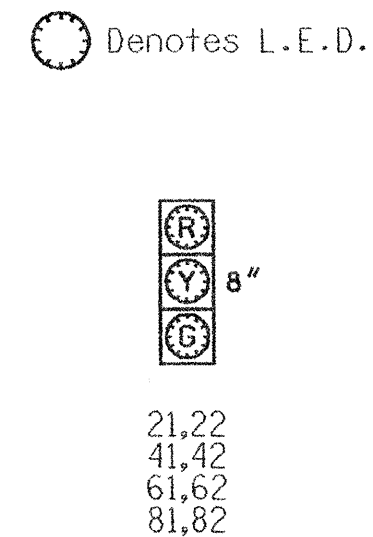


TABLE OF OPERATION

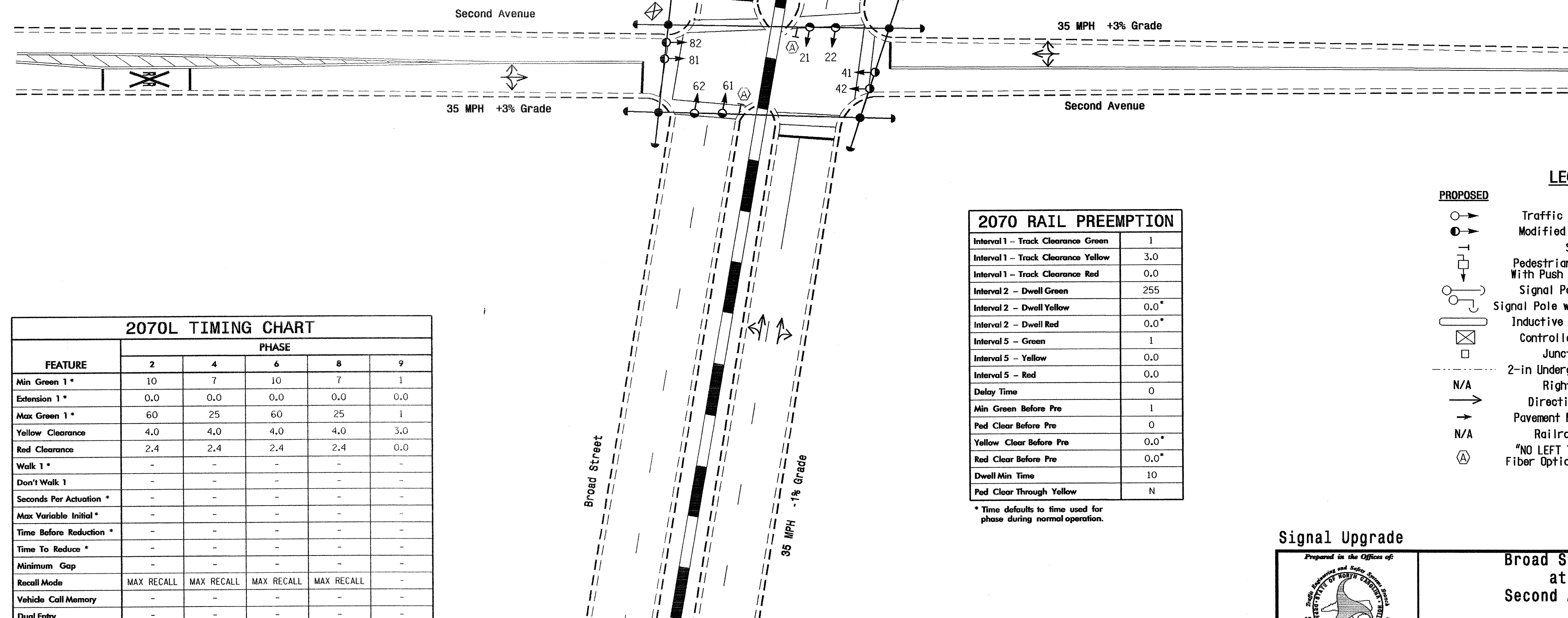
SIGNAL FACE	PHASE				
	G+NS	R+NS	TR	CR	COND
21,22	G	R	R	G	Y
41,42	R	G	R	R	R
61,62	G	R	R	G	Y
81,82	R	G	R	R	R
(A)	OFF	OFF	ON	ON	*

* See Note 5

SIGNAL FACE I.D.



- NOTES**
- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
 - This location contains railroad preemption phasing. Do not program signal for late night flashing operation.
 - Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
 - Pavement markings are existing.
 - Ensure flashing operation does not alter operation of blankout signs.
 - Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
 - Omit Phase 9 during normal operation.
 - City system data: Controller Asset 0102.



2070L TIMING CHART

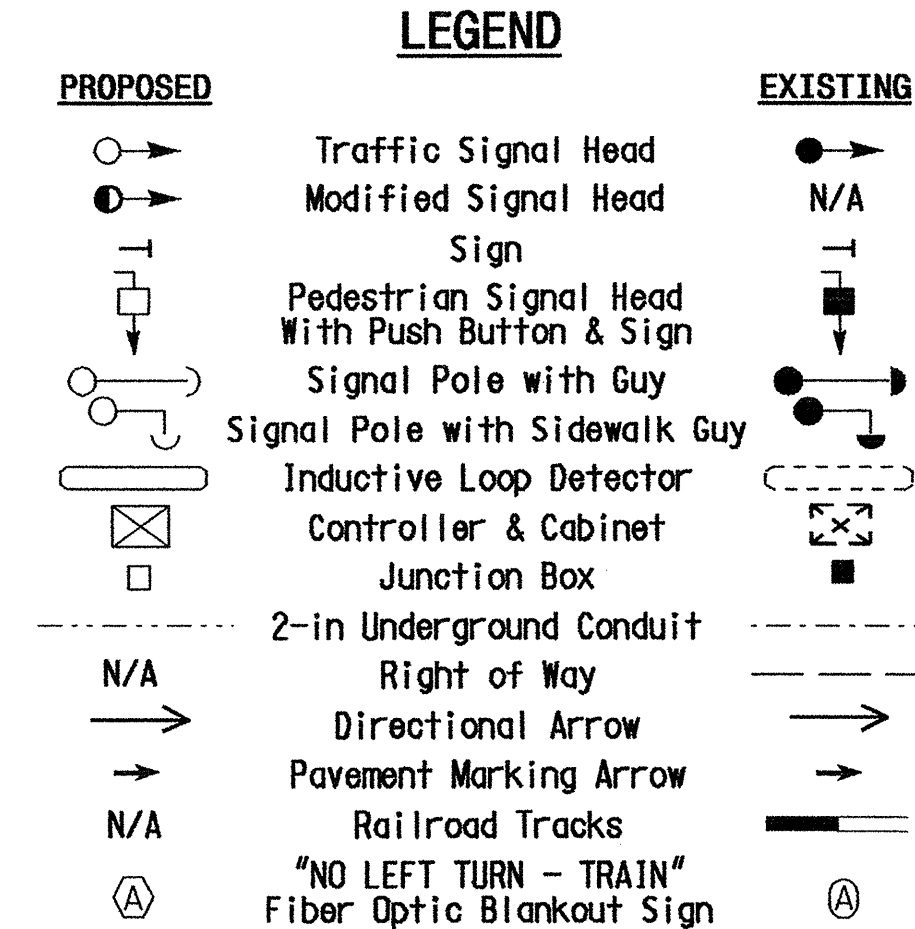
FEATURE	PHASE				
	2	4	6	8	9
Min Green 1*	10	7	10	7	1
Extension 1*	0.0	0.0	0.0	0.0	0.0
Max Green 1*	60	25	60	25	1
Yellow Clearance	4.0	4.0	4.0	4.0	3.0
Red Clearance	2.4	2.4	2.4	2.4	0.0
Walk 1*	-	-	-	-	-
Don't Walk 1	-	-	-	-	-
Seconds Per Actuation*	-	-	-	-	-
Max Variable Initial*	-	-	-	-	-
Time Before Reduction*	-	-	-	-	-
Time To Reduce*	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Recall Mode	MAX RECALL	MAX RECALL	MAX RECALL	MAX RECALL	-
Vehicle Call Memory	-	-	-	-	-
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.

2070 RAIL PREEMPTION

Interval 1 - Track Clearance Green	1
Interval 1 - Track Clearance Yellow	3.0
Interval 1 - Track Clearance Red	0.0
Interval 2 - Dwell Green	255
Interval 2 - Dwell Yellow	0.0*
Interval 2 - Dwell Red	0.0*
Interval 5 - Green	1
Interval 5 - Yellow	0.0
Interval 5 - Red	0.0
Delay Time	0
Min Green Before Pre	1
Ped Clear Before Pre	0
Yellow Clear Before Pre	0.0*
Red Clear Before Pre	0.0*
Dwell Min Time	10
Ped Clear Through Yellow	N

* Time defaults to time used for phase during normal operation.



Signal Upgrade

Prepared in the Office of:
The University of North Carolina
SCHOOL OF TRANSPORTATION
Signal and Geometric Section

Broad Street at Second Avenue

Division 12 Gaston County Gastonia

PLAN DATE: January 2005 REVIEWED BY: D.Y. Ishak

PREPARED BY: Z.M. Little REVIEWED BY:

REVISIONS: INIT. DATE

SCALE: 1"=30'

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER E. MULLINIX 23 JANUARY 2005

SIGNATURE: DATE: SIG. INVENTORY NO. 12-0102