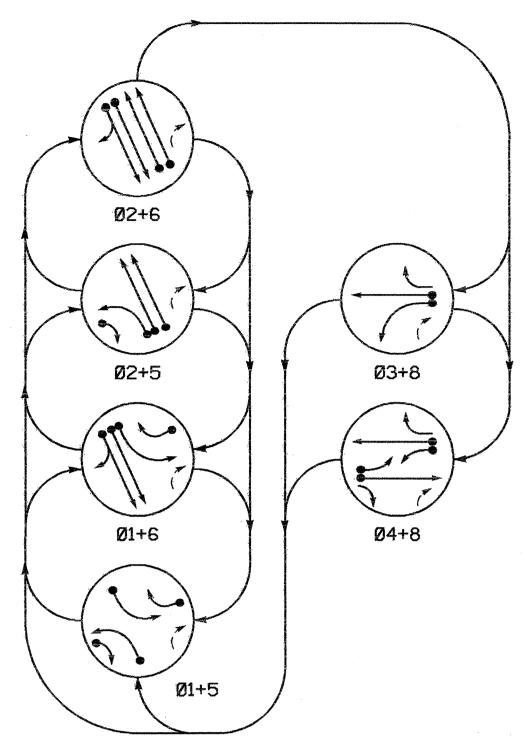
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

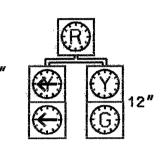
UNDETECTED MOVEMENT (OVERLAP)

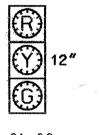
UNSIGNALIZED MOVEMENT ← − − > PEDESTRIAN MOVEMENT

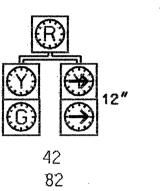
TABLE	TABLE OF OPERATION										
			P	HAS	TORS	1 <u> </u>					
SIGNAL FACE	Ø1+5	Ø1+6	Ø2+5	ØN+6	®3+8	Ø4+8	L J⊄SI				
11			-R	#	#	#	₽				
21, 22	R	R	G	G	R	R	Υ				
31	R	R	R	R	79	G	R				
41	R	R	R	R	R	G	R				
42	R/	R	R/	R	R	G	R				
51	-	- R	-	-		- R	-{}				
61, 62	R	G	R	G	R	R	Υ				
81	R	R	R	R	G	G	R				
82	R_	R/	R	R	G	G	R				

SIGNAL FACE I.D.

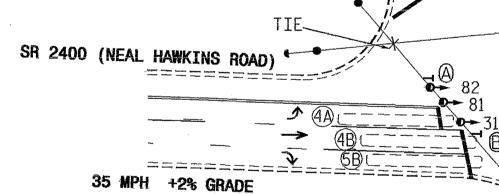
O Denotes L.E.D.

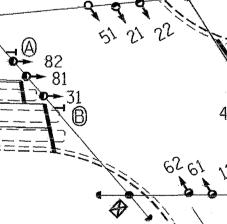


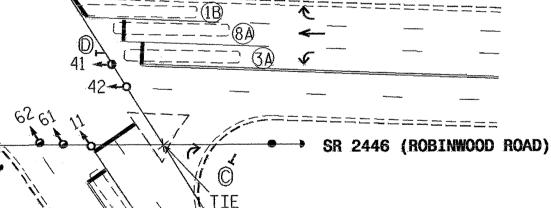




41 61, 62







45 MPH -6% GRADE

		2070L	TIMINO	G CHAR							
	PHASE										
FEATURE	1	2	3	4	5	6	8				
Min Green 1 *	7	12	7	7	7	12	7				
Extension 1 *	1.0	2.0	1.0	2.0	1.0	2.0	1.0				
Max Green 1 *	20	45	15	25	20	45	25				
Yellow Clearance	4.0	4.7	3.5	4.0	4.0	4.7	4.5				
Red Clearance	3.5	2.8	2.4	2.3	3.2	2.8	2,5				
Walk 1 *	·					u · Amer	~ 444				
Don't Walk T	-										
Seconds Per Actuation *	***	-	-	and a			,				
Max Variable Initial*	<u></u>	-			, see		-				
Time Before Reduction *						and a					
Time To Reduction *	Mis	طف	266	<u> </u>		AND SERVICE AND	iiind				
Minimum Gap	the contract of the contract o	<u>-</u>	***	44	***						
Recall Mode	-	MIN RECALL	-	·		MIN RECALL					
Vehicle Call Memory	****	YELLOW	-	-		YELLOW	***				
Dual Entry	****	_	-	ON	-		ON				
Simultaneous Gap	ON	ON	ON	ON	ON	ON	ON				

Green for all other phases should not be lower than 4 seconds.

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
1A	Existing	Existing	Existing	N	1	Υ	Υ	-		2006	3	Υ
1B	Existing	Existing	Existing	N	1	Υ	Υ	- Value			15	Υ
2 A, 2B	Existng	Existng	Existing	N	2	Υ	Υ	-	-	1.8		Υ
2C, 2D	Existng	Existng	Edsting	N	2	Υ	Y	-	138		-	Υ
3A	Existing	Existing	Existing	N	3	Υ	Υ	-	-	-	-	Υ
4A	Existing	Existing	Existing	N	4	Υ	Y	-	-	***	-	Υ
4B	Existing	Existing	Existing	N	4	Υ	Υ		-	-		Υ
5A	Existing	Existing	Existing	N.	5	Υ	Υ	-	-	-	3	Υ
5B	Existing	Existing	Existing	N	5	Υ	Υ	-	-	-	15	Υ
6A, 6B	Existing	Existing	Existing	N	6	Y	Υ	-	-	1.8	-	Υ
6C, 6D	Edisting	Existing	Existing	N	6	Υ	Υ	-	-	-	100	Υ
8A	Existing	Existing	Existing	N	8	Υ	Υ	-	***	_		Υ

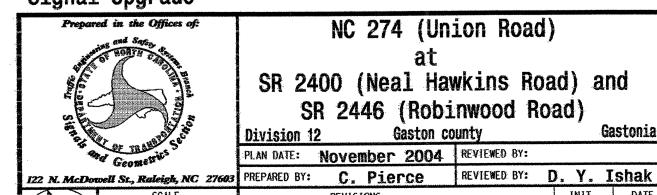
6 Phase Fully Actuated (Gastonia City System)

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. Phase 1 or phase 5 may be lagged.
- 4. Omit phase 3 during phase 4 on.
- 5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 6. Pavement markings are existing.
- 7. Maximum times shown in timing chart Coordinated signal system timing values supersede these values.
- 8. City system data: Controller Asset# 0245.

LEGEND EXISTING Traffic Signal Head Modified Signal Head Sign Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector \boxtimes [XZ Controller & Cabinet Junction Box ----- 2-in Underground Conduit ----Right of Way Directional Arrow Pavement Marking Arrow -"RIGH TURN SIGNAL " Sign (R10-10) "LEFT TURN YIELD ON GREEN" Sign (R10-12) "YIELD" Sign (R1-2) Left Arrow "ONLY" Sign (R3-5L)

Signal Upgrade



1'' = 50'

NC 274 (Union Road) SR 2400 (Neal Hawkins Road) and

SR 2446 (Robinwood Road) Gaston county PLAN DATE: November 2004 REVIEWED BY:

REVISIONS

Gastonia

SIG. INVENTORY NO. 12-0245