

Arraice last temperatures	TABLE OF	OPE	ERA'	TIO	N			
			PHASE					
	SIGNAL FACE	Ø++6	Ø2+6	Ø 4	FLASH			
A Company of the Company	21, 22	R	G	R	Υ			
	41, 42	R	R	G	R			
	61	G	G	R.	Υ			
	62	G	G	R	Υ			

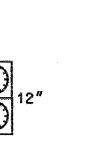
2070L LOOP & DETECTOR INSTALLATION														
I	INDUCTIVE LOOPS				DETECTOR PROGRAMMING									
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD		
1 A		EXISTING	CVICTION				1	Υ	Y	-	-	15	-	-
1A	EXT211MG		FX1211MG		6	Υ	Υ	Υ	-	3	-	-		
2 A *	EXISTING	EXISTING	EXISTING		2	Υ	Υ	-	-		-	-		
4A	EXISTING	EXISTING	EXISTING		4	Υ	Υ	-	_	10	_	-		
6A,6B	EXISTING	EXISTING	EXISTING	-	6	Y	Υ	_			-			

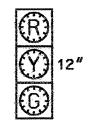
* MICROWAVE

NC 274 (BESSEMER CITY ROAD)

SIGNAL FACE I.D.

O Denotes L.E.D.





21, 22 41, 42 62

PHASIN	IG DIAG	RAM DE	TECTION	LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

UNSIGNALIZED MOVEMENT

<--> PEDESTRIAN MOVEMENT

		274 (BESSEME	R CITY ROAD)		
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THE STATE OF THE S				62 - 61	41 42
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— (A)(+				→	
	/ >			=======================================	
	45 MPH	+1% GRADE			

2070L TIMING CHART								
	PHASE							
FEATURE	1	2	4	6				
Min Green 1 *	7	12	7	12				
Extension 1 *	1.0	6.0	2.0	6.0				
Max Green 1 *	15	90	25	90				
Yellow Clearance	4.0	4.7	4.0	4.7				
Red Clearance	2.0	1.1	2.0	1.1				
Walk 1 *		-						
Don't Walk 1				_				
Seconds Per Actuation *		1.8		1.8				
Max Variable Initial*		34		34				
Time Before Reduction *		15		15				
Time To Reduce *		30		30				
Minimum Gap	-	3.0	•••	3.0				
Recall Mode		MIN RECALL		MIN RECAL				
Vehicle Call Memory	***	YELLOW	-	YELLOW				
Dual Entry	-	-		-				
T			^\1	- ALI				

phases 2 and 6 lower than what is shown. Min Green for all other phases should not

be lower than 4 seconds.

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

Fully Actuated (Gastonia City System)

NOTES

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:

charts.

PROPOSED

Controller Asset #: 0928. 8. All work on this signal will be done and paid for under TIP Project U-2408. This plan is only to show that this intersection is part of the Gastonia City Signal System and some minor changes to the timing

EXISTING

Traffic Signal Head Modified Signal Head Sign Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy

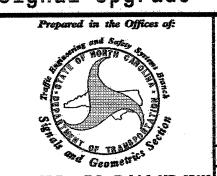
LEGEND

Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box

---- 2-in Underground Conduit Right of Way Directional Arrow Pavement Marking Arrow Metal Pole with Mastarm

Microwave Detection Zone "YIELD" Sign (R1-2)

Signal Upgrade



NC 274 (Bessemer City Road) I-85 Northbound Ramp & Loop

Division 12 Gaston County PLAN DATE: February 2005 REVIEWED BY: D.Y. Ishak 22 N. McDowell St., Raleigh, NC 27603 PREPARED BY: L. Blount REVIEWED BY: REVISIONS

SIG. INVENTORY NO. 12-0928