

PHASING DIAGRAM DETECTION LEGEND

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

US 29-74-NC 274 (Franklin Boulevard)

35 MPH +1% Grade

DETECTED MOVEMENT

<--> PEDESTRIAN MOVEMENT

TABLE OF O	PER	ATI	ON
	PHASE		
SIGNAL FACE	® 2+6	Q 4+8	11日のエ
21, 22	G	R	Υ
41, 42	R	G	R
61, 62	G	R	Υ
81, 82	R	G.	R

SIGNAL FACE I.D.

① Denotes L.E.D.

(R) (Y) (G)

21, 22

41, 42 61, 62

81, 82

Pole Mounted

)L LO			E			-		-	ALLA ROGRAI		
LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
4A	EXISTING	EXISTING	EXISTING	Υ	4	Y	Y	_	-		5	Υ
8A	EXISTING	EXISTING	EXISTING	Υ	8	Υ	Υ	-	_	-	5	Υ

35 MPH -1% Grade

US 29-74-NC 274 (Franklin Boulevard)

2 Phase Semi-Actuated (Gastonia City Signal System)

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- 2. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 3. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 4. Pavement markings are existing.
- 5. In the event of loop replacement, refer to the current Signals and Geometrics Design Manual and submit a Plan of Record to the Signals and Geometrics Section.
- 6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- 7. Set all detector units to presence mode.
- 8. City system data: Controller Asset #0033.

LEGEND

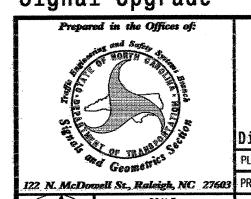
PROPOSED		EXISTING
○ ➤	Traffic Signal Head	-
0 ->	Modified Signal Head	N/A
	Sign	
7	Pedestrian Signal Head With Push Button & Sign	
\bigcirc	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
ه هم جد جدا مختلفت من منا مختلفت دیدا سیر مختلفت	2-in Underground Conduit	ng salaman (na ^{sa} hidinan) san hidining san sanana
N/A	Right of Way	
\longrightarrow	Directional Arrow	>
-	Pavement Marking Arrow	-
(A) "I	NO TURN ON RED" Sign (R10-11) (A)

20 MPH		
8A / 8		
1.		
\}		
1 1		

20	2070L TIMING CHART							
	PHASE							
FEATURE	2	4	6	8				
Min Green 1 *	10	7	10	7				
Extension 1 *	0.0	1.0	0.0	1.0				
Max Green 1 *	60	30	60	30				
Yellow Clearance	4.0	4.0	4.0	4.0				
Red Clearance	2.2	2.9	2.2	2.9				
Walk 1 *	4	4.	.4	.4				
Don't Walk 1	8	15	7	17				
Seconds Per Actuation *	enterior en section de la company de section de la company de la company de la company de la company de la comp		man and a state of the state of					
Max Variable Initial *			<u></u>	_				
Time Before Reduction *	-	,,,,,,	-	•••				
Time To Reduce *	-	-	-	****				
Minimum Gap	-	Alma	-	neads				
Recall Mode	MAX RECALL		MAX RECALL					
Vehicle Call Memory	. -	-	-					
Dual Entry		ON	-	ON				
Simultaneous Gap	ON .	ON	ON	ON				

alues 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

Signal Upgrade



US 29-74-NC 274 (Franklin Boulevard)

Vance Street Gaston County PLAN DATE: January 2005 REVIEWED BY: D. D. S. C. T. T. T.

PREPARED BY: Z.M. Little REVIEWED BY: