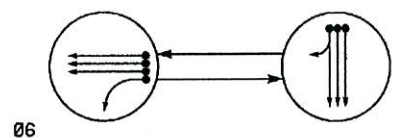


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

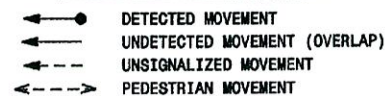


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	0	4	6
41, 42	R	G	R
61, 62, 63	G	R	Y

2070L LOOP & DETECTOR INSTALLATION

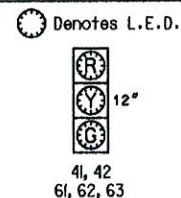
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME
4A, 4B, 4C	6X6	65	Existing	-	4	Y	Y	-	-	-
6A	6X6	250	Existing	-	6	Y	Y	-	-	-
6B	6X6	250	Existing	-	6	Y	Y	-	-	-
6C	6X6	250	Existing	-	6	Y	Y	-	-	-
6D	6X6	250	Existing	-	6	Y	Y	-	-	-

2 Phase Fully Actuated (Wilmington Signal System)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated July 2006 and "Standard Specifications for Roads and Structures" dated July 2006.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Renumber existing signal heads and loops as shown.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Signal system data:
Controller Asset #: 0080.

SIGNAL FACE I.D.



MIN SPLIT 13 15

FEATURE	PHASE	
	4	6
Min Green 1 *	7	10
Extension 1 *	1.0	6.0
Max Green 1 *	15	60
Yellow Clearance	3.8	3.8
Red Clearance	1.4	1.1
Walk 1 *	-	-
Don't Walk 1	-	-
Seconds Per Actuation *	-	1.3
Max Variable Initial *	-	24
Time Before Reduction *	-	10
Time To Reduce *	-	20
Minimum Gap	-	3.0
Recall Mode	-	MIN RECALL
Vehicle Call Memory	YELLOW	YELLOW
Dual Entry	-	-
Simultaneous Gap	ON	ON

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND	
PROPOSED	EXISTING

Signal Upgrade

Prepared in the Office of North Carolina Department of Transportation Signal and Traffic Engineering 750 N. Greenfield Place, Cary, NC 27513		US 76 WB (Wooster Street) at SR 1218 (S. 16th Street)		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 026486 ROBERT J. ZIEGLER 5/13/08	
Division 3 New Hanover County Wilmington		PLAN DATE: January 2008		REVIEWED BY:	
PREPARED BY: Starling		REVIEWED BY:		REVISIONS	
SCALE 0 20 1"=20'		INIT.		DATE	
SIGNAL INVENTORY NO. 03-0080					