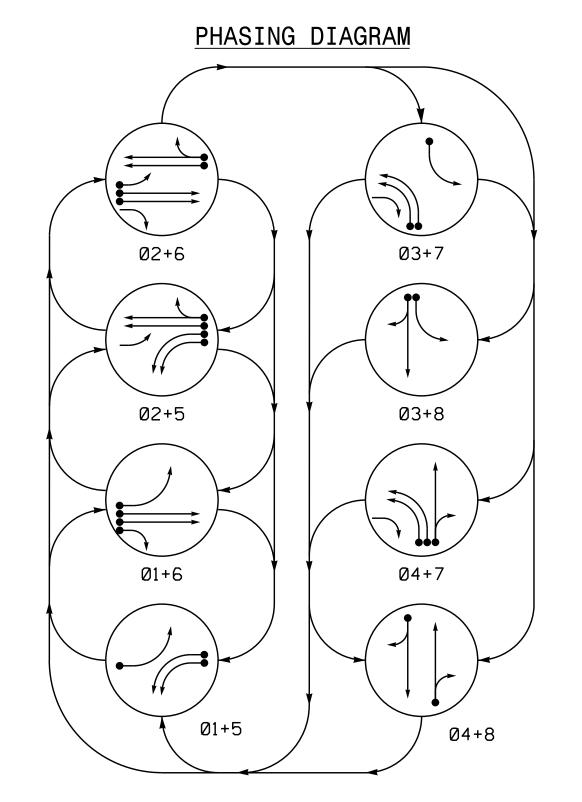
8 Phase Fully Actuated Fayetteville Signal System

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Phase 1 and/or phase 5 may be lagged.
- 4. Phase 3 and/or phase 7 may be lagged.
- 5. Set all detector units to presence mode.
- 6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 7. Pavement markings are existing.
- 8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

	ASC/3	DETE	CTOR 1	ENS	STAL	LAT	ON C	HART			
DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
1 A	6X40	0	2-4-2	ı	1	Yes	1	15	S	-	Χ
				_	6	Yes	1	ı	S	-	Х
2A	6X6	70	4	ı	2	Yes	-	-	S	-	Х
2B	6X6	70	4	-	2	Yes	-	-	S	-	Х
3A	6X40	0	*	-	3	Yes	-	3	S	-	Х
4A	6X40	0	2-4-2	-	4	Yes	-	10	S	-	Х
5A	6X40	0	2-4-2	-	5	Yes	-	-	S	-	Х
5B	6X40	0	2-4-2	-	5	Yes	-	-	S	-	Х
6A	6X6	70	4	-	6	Yes	-	=	S	-	Х
6B	6X6	70	4	-	6	Yes	-	=	S	-	Х
7A	6X40	0	2-4-2	-	7	Yes	-	-	S	-	Х
7B	6X40	0	2-4-2	-	7	Yes	-	-	S	-	Χ
8.8	6X40	0	*	-	8	Yes	-	10	S	-	Χ

* Multizone Microwave Detection

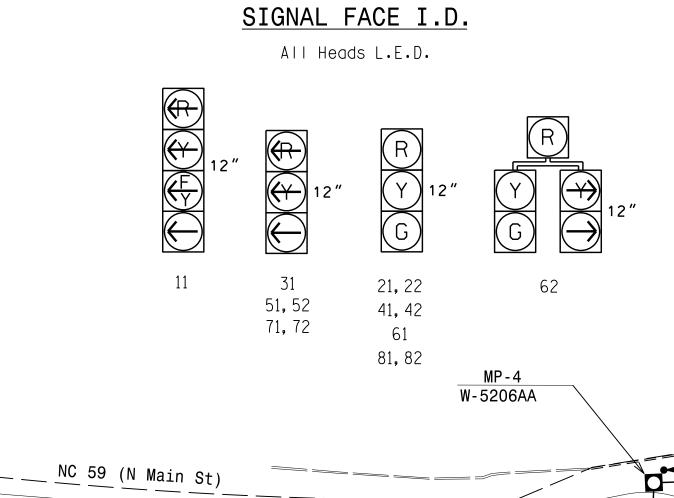


PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

UNSIGNALIZED MOVEMENT <−−> PEDESTRIAN MOVEMENT



20 MPH 0% Grade

TABLE OF OPERATION

FACE

21, 22

41, 42

61

62

71, 72

PHASE

		ASC	C/3 TI	MING C	HART					
	PHASE									
FEATURE	1	2	3	4	5	6	7	8		
Min Green *	7	10	7	7	7	10	7	7		
Walk *	0	0	0	0	0	0	0	0		
Ped Clear	0	0	0	0	0	0	0	0		
Veh. Extension *	2.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0		
Max 1 *	15	60	15	25	25	60	15	25		
Yellow	3.0	3.8	3.0	3.8	3.0	3.8	3.0	3.8		
Red Clear	2.9	2.1	2.3	3.2	3.3	2.1	3 . 2	3.2		
Actuations B4 Add *	-	-	-	-	-	-	-	-		
Seconds /Actuation *	-	-	-	-	-	-	-	-		
Max Initial *	-	-	-	-	-	-	-	_		
Time Before Reduction *	-	-	-	-	-	-	-	-		
Time To Reduce *	-	-	-	-	-	-	-	-		
Minimum Gap	-	-	-	-	-	-	-	-		
Locking Detector	-	X	-	-	-	X	-	-		
Recall Position	-	VEH. RECALL	-	-	-	VEH. RECALL	-	-		
Dual Entry	-	-	-	-	-	-	-	-		

* 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

LEGEND <u>EXISTING</u> <u>PROPOSED</u> Traffic Signal Head Modified Signal Head Sign Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Controller & Cabinet Junction Box 2-in Underground Conduit Right of Way Directional Arrow Multizone Microwave Detector ← Detection Zone

Signal Upgrade

NC 59 (N. Main Street) Wal-Mart/Sammio's

Division 6 Cumberland County Hope Mills PLAN DATE: May 2016 REVIEWED BY: JPG

750 N.Greenfleid Pkwy.Garner.NC 27529 PREPARED BY: KGP, Jr. INIT. DATE REVISIONS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIG. INVENTORY NO.