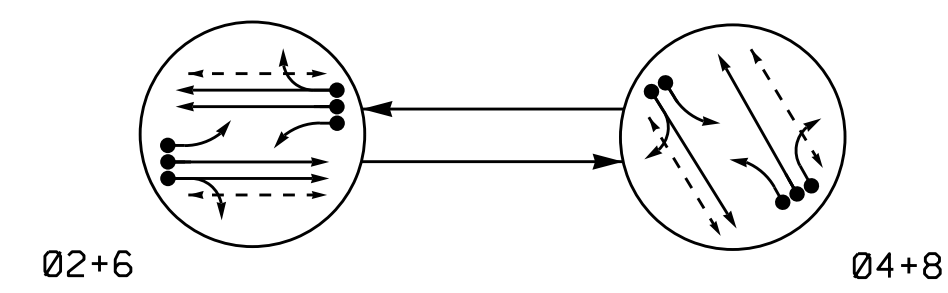


2 Phase Fully Actuated Fayetteville Signal System

PHASING DIAGRAM



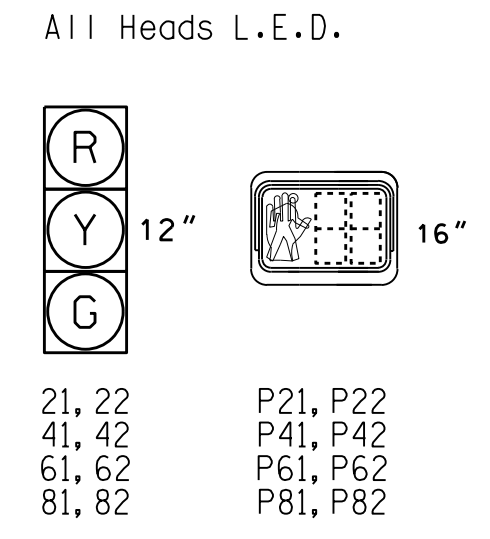
PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- - - UNSIGNALIZED MOVEMENT
- ⚡ PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04+8	FL
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R
P21, P22	W	DW	DRK
P41, P42	DW	W	DRK
P61, P62	W	DW	DRK
P81, P82	DW	W	DRK

SIGNAL FACE I.D.

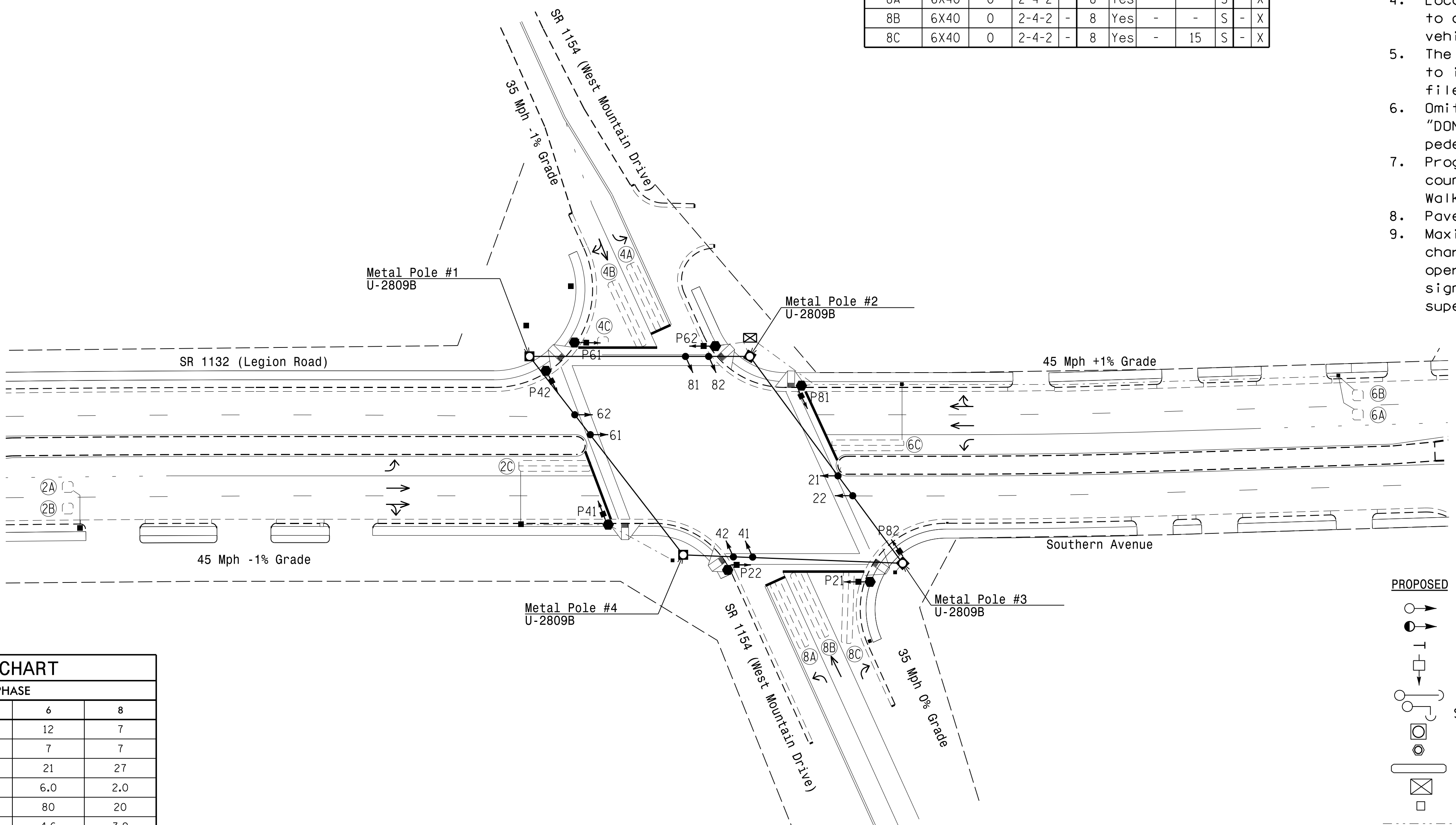


ASC/3 DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING					TYPE	SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTEND TIME	DELAY TIME				
2A	6X6	300	4	-	2	Yes	-	-	N	-	X	
2B	6X6	300	4	-	2	Yes	-	-	N	-	X	
2C	6X40	0	2-4-2	-	2	Yes	-	3	G	-	X	
4A	6X40	0	2-4-2	-	4	Yes	-	-	S	-	X	
4B	6X40	0	2-4-2	-	4	Yes	-	-	S	-	X	
4C	6X6	0	4	-	4	Yes	-	15	S	-	X	
6A	6X6	300	4	-	6	Yes	-	-	N	-	X	
6B	6X6	300	4	-	6	Yes	-	-	N	-	X	
6C	6X40	0	2-4-2	-	6	Yes	-	3	G	-	X	
8A	6X40	0	2-4-2	-	8	Yes	-	-	S	-	X	
8B	6X40	0	2-4-2	-	8	Yes	-	-	S	-	X	
8C	6X40	0	2-4-2	-	8	Yes	-	15	S	-	X	

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. 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. The cabinet should be designed to include an Auxiliary Output file for future use.
6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
8. Pavement markings are existing.
9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

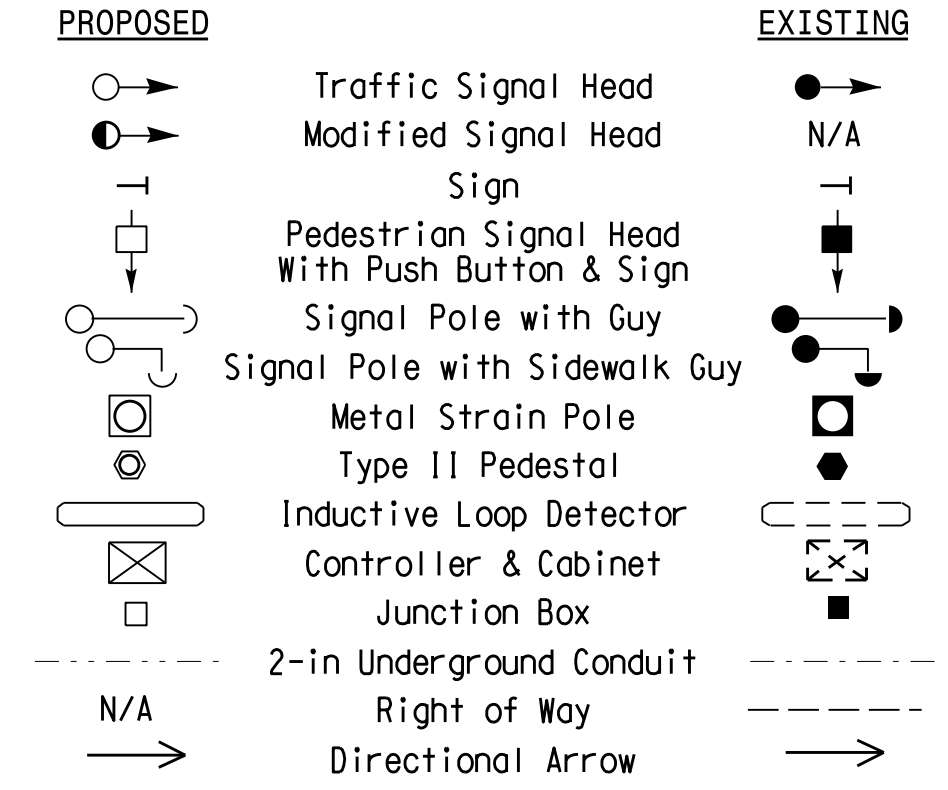


ASC/3 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green *	12	7	12	7
Walk *	7	7	7	7
Ped Clear	20	24	21	27
Veh. Extension *	6.0	2.0	6.0	2.0
Max I *	80	20	80	20
Yellow	4.6	3.9	4.6	3.9
Red Clear	2.0	3.0	2.0	3.0
Actuations B4 Add *	0	-	0	-
Seconds /Actuation *	1.5	-	1.5	-
Max Initial *	34	-	34	-
Time Before Reduction *	30	-	30	-
Time To Reduce *	45	-	45	-
Minimum Gap	3.0	-	3.0	-
Locking Detector	X	-	X	-
Recall Position	VEH. RECALL	-	VEH. RECALL	-
Dual Entry	-	X	-	X
Simultaneous Gap	X	X	X	X

* 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



Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE 1"=40'

SR 1132 (Legion Road) / Southern Avenue at SR 1154 (West Mountain Drive)

Division 6 Cumberland County Fayetteville

PLAN DATE: May 2016 REVIEWED BY: JPG

PREPARED BY: KGP, Jr. REVIEWED BY:

REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

JASON P. GALLOWAY

5/26/2016

SIG. INVENTORY NO. 06-0074

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