

PHASING DIAGRAM

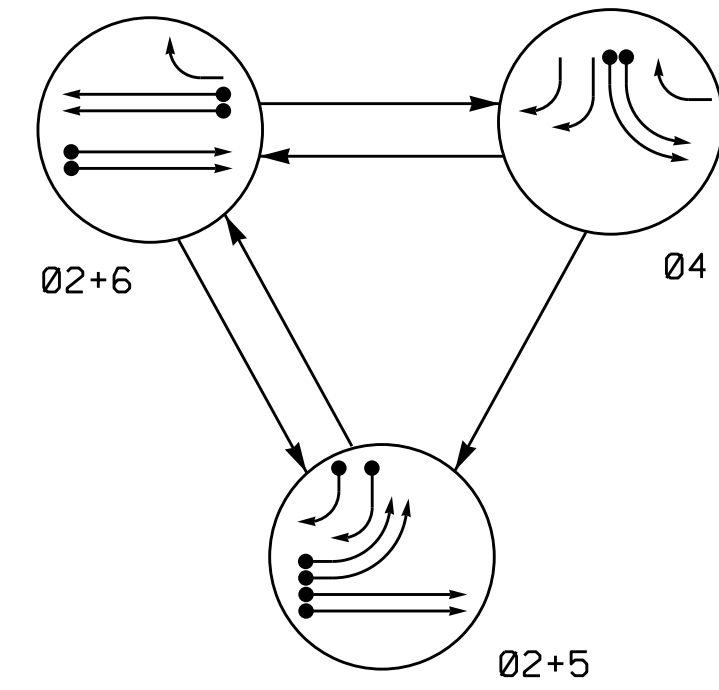


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	FLSH
21, 22	G	G	R	Y
41, 42	R	R	Y	R
43, 44	Y	R	Y	R
51, 52	Y	R	R	R
61	R	G	R	Y
62	R	G	R	Y

ASC/3 DETECTOR INSTALLATION CHART

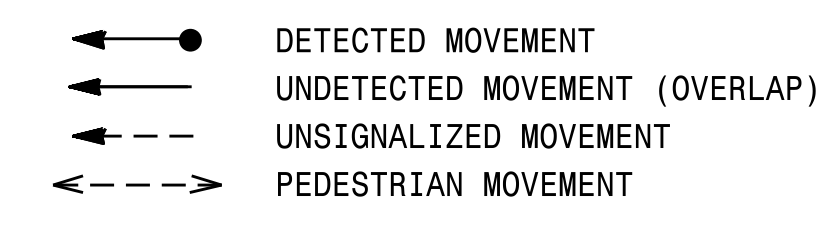
LOOP	DETECTOR				PROGRAMMING						
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2A/S2A	6X6	420	6	-	2	Yes	-	-	N	X	X
2B/S2B	6X6	420	6	-	2	Yes	-	-	N	X	X
4A	6X40	0	2-4-2	-	4	Yes	-	3	S	-	X
4B	6X40	0	2-4-2	-	4	Yes	-	-	S	-	X
5A	6X40	0	2-4-2	-	5	Yes	-	-	S	-	X
5B	6X40	0	2-4-2	-	5	Yes	-	-	S	-	X
5C	6X40	0	2-4-2	-	5	Yes	-	15	S	-	X
5D	6X40	0	2-4-2	-	5	Yes	-	15	S	-	X
6A/S6A	6X6	420	5	-	6	Yes	-	-	N	X	X
6B/S6B	6X6	420	5	-	6	Yes	-	-	N	X	X

3 Phase Fully Actuated Fayetteville Signal System

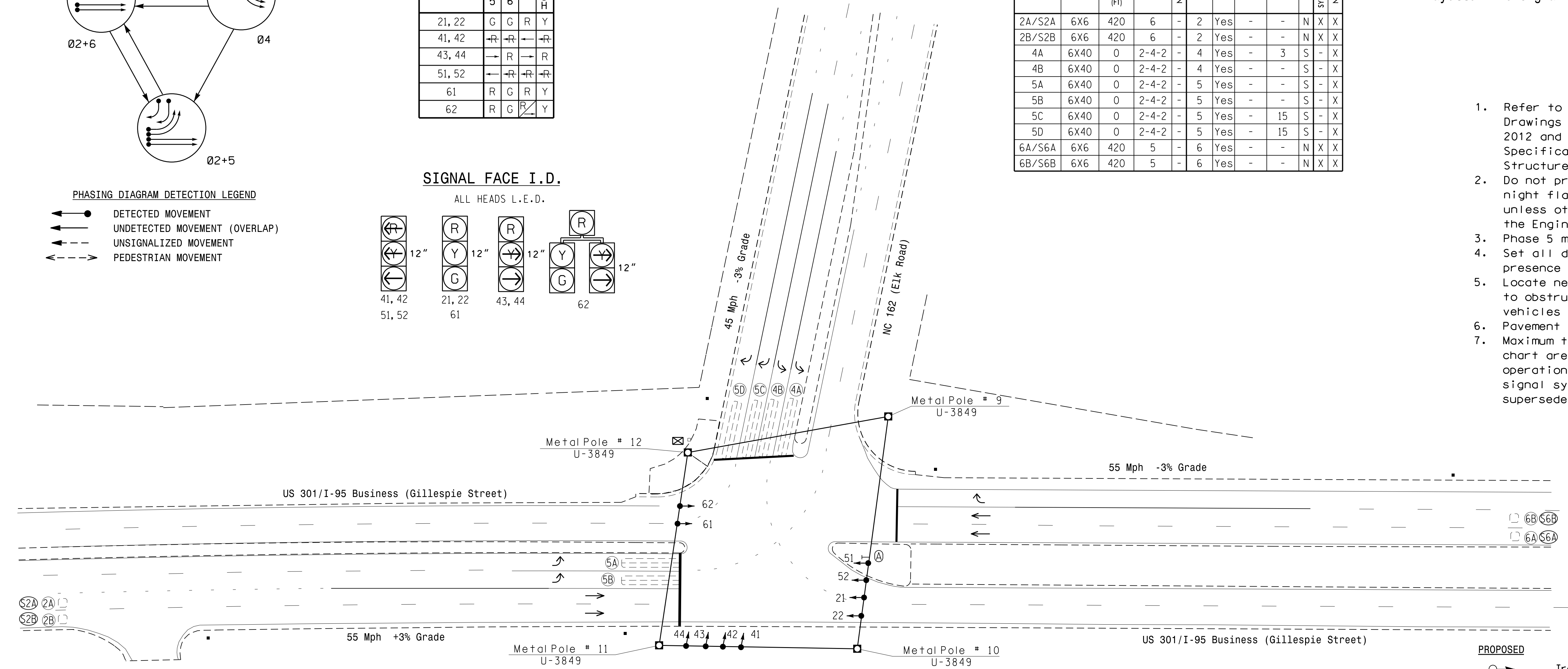
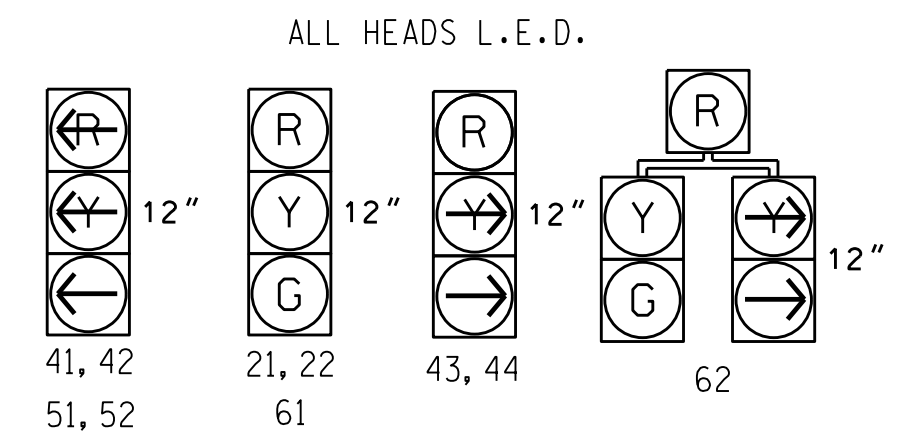
NOTES

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 5 may be lagged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Pavement markings are existing.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.

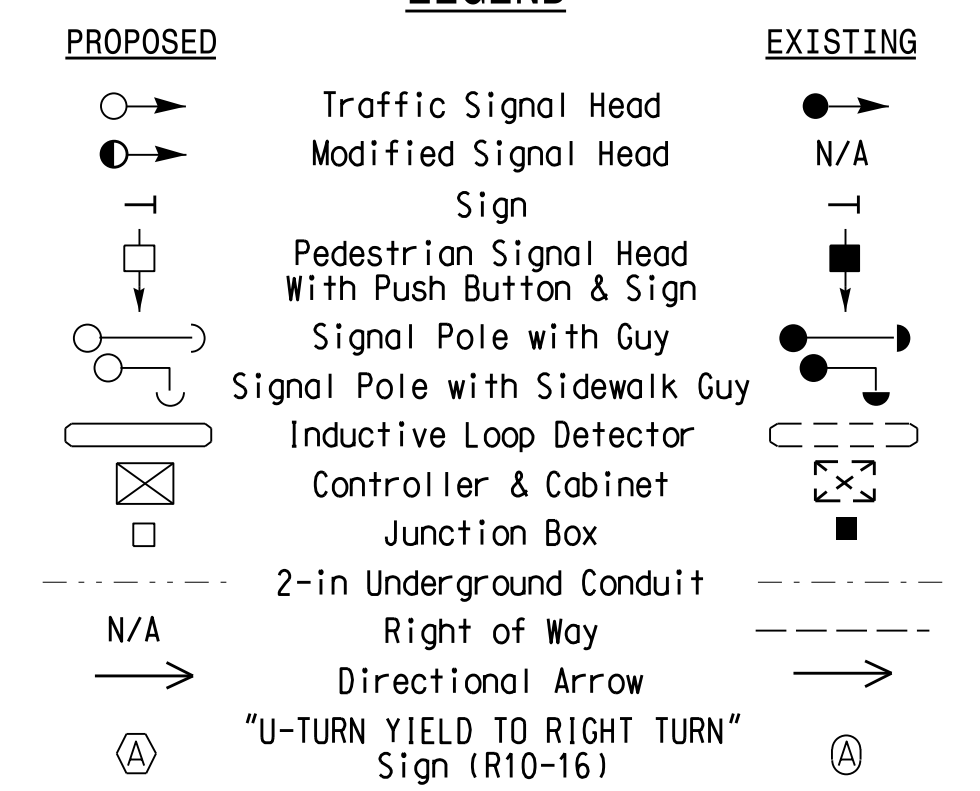


ASC/3 TIMING CHART

FEATURE	PHASE			
	2	4	5	6
Min Green *	14	7	7	14
Walk *	0	0	0	0
Ped Clear	0	0	0	0
Veh. Extension *	6.0	2.0	2.0	6.0
Max 1 *	90	25	30	90
Yellow	5.5	3.0	3.0	5.5
Red Clear	1.8	3.5	3.6	1.8
Actuations B4 Add *	0	-	-	0
Seconds /Actuation *	1.5	-	-	1.5
Max Initial *	46	-	-	46
Time Before Reduction *	15	-	-	15
Time To Reduce *	45	-	-	45
Minimum Gap	3.4	-	-	3.4
Locking Detector	X	-	-	X
Recall Position	VEH. RECALL	-	-	VEH. RECALL
Dual Entry	-	-	-	-
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

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

Division 6 Cumberland County Fayetteville

I-95 Bus-US 301 (Gillespie St) at SR 1363 (Elk Road)

PLAN DATE: July 2016 REVIEWED BY: JPG

PREPARED BY: Jeff Spence REVIEWED BY:

REVISIONS: INIT. DATE

SCALE: 0 40 1"=40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 029904 JASON P. GALLAGHER

DocuSigned by: Jason P. Gallagher 8/3/2016

SIG. INVENTORY NO. 06-1289

03-100-2016\_08-11  
 S:\115450\115450\SIGNAL\Signal\Section\Eastern Region\01\U-5742 Fayetteville ASC3\06-1289\061289\_s1a\_dsn\_2016mmds.dgn  
 7:resence