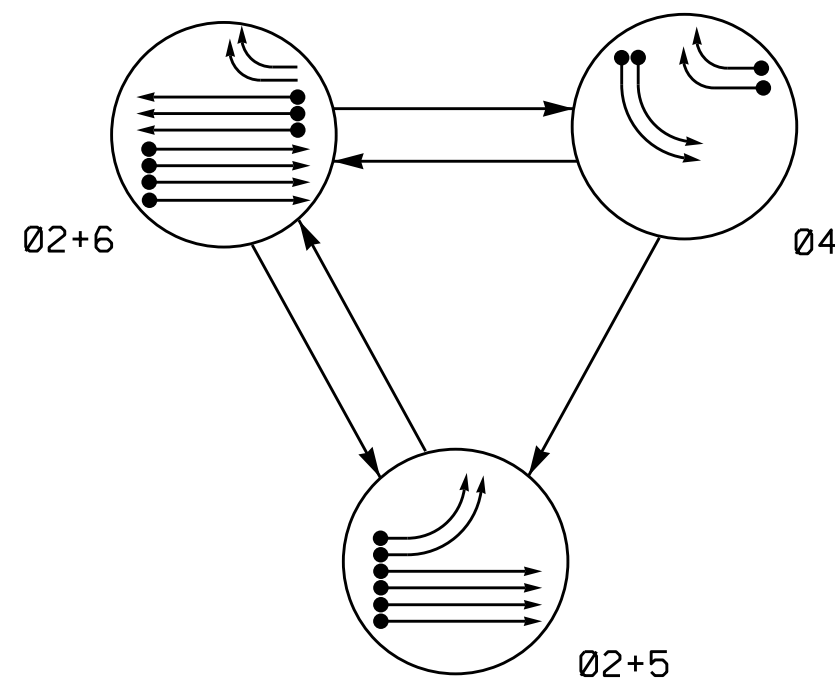


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

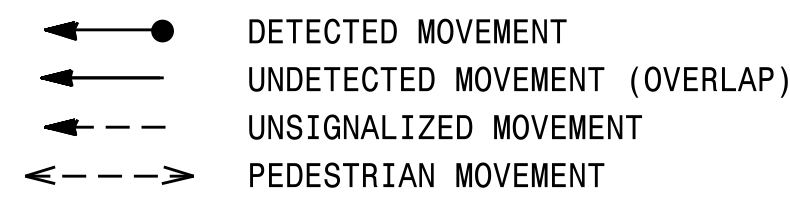
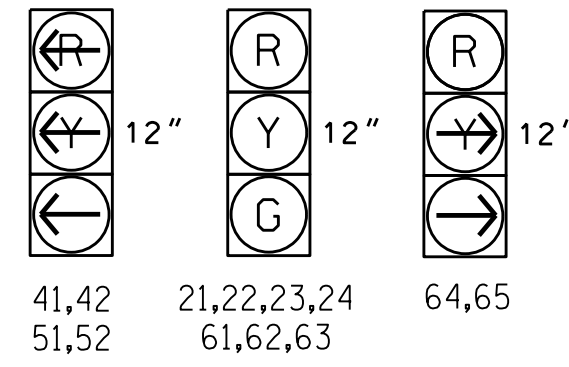


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	F
21,22,23,24	G	G	R	Y
41,42	R	R	-	R
51,52	-	R	R	R
61,62,63	G	G	R	Y
64,65	R	-	-	Y

SIGNAL FACE I.D.

All Heads L.E.D.



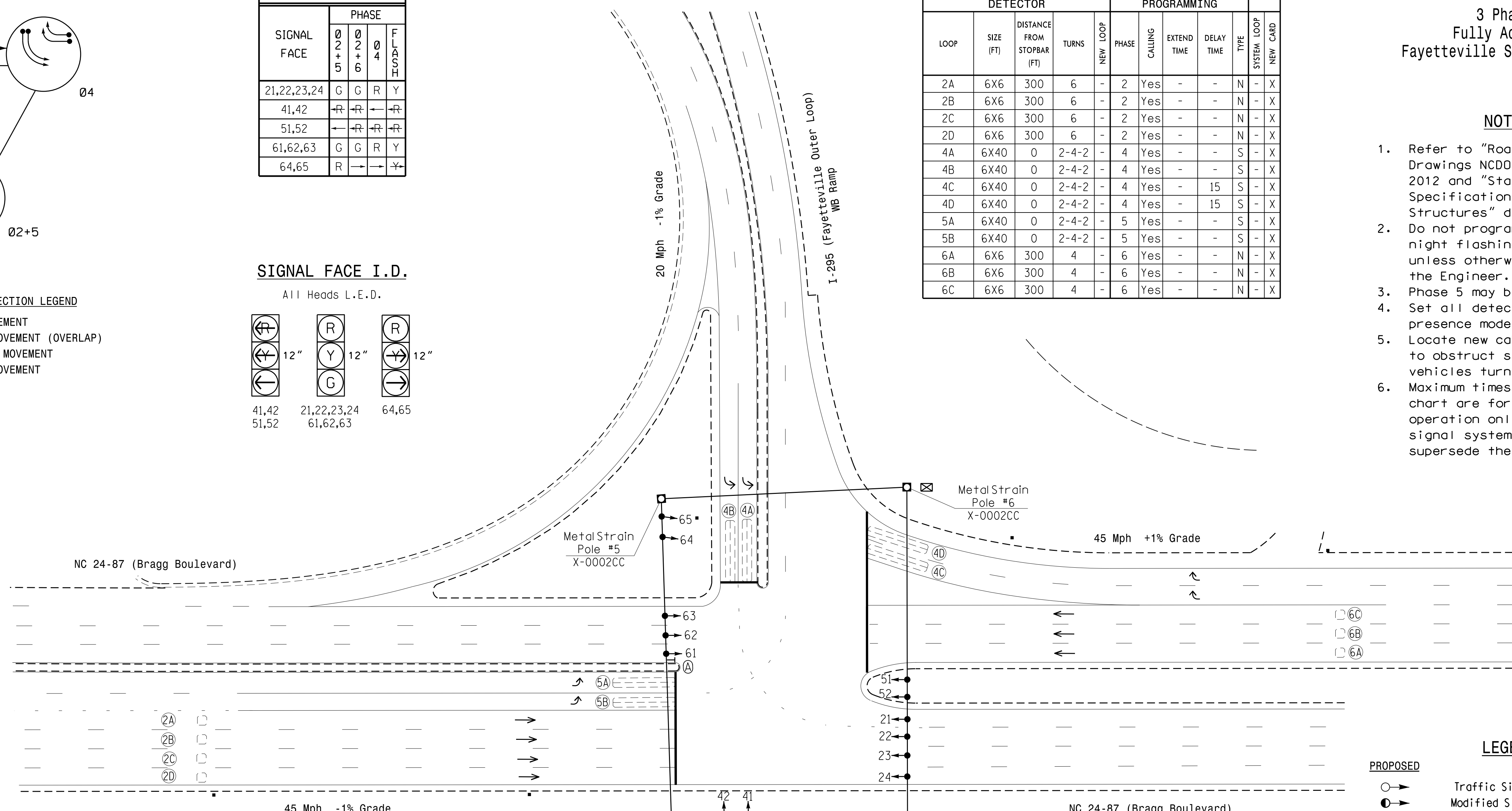
ASC/3 DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING						
					PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	
2A	6X6	300	6	-	2	Yes	-	-	N	-	X
2B	6X6	300	6	-	2	Yes	-	-	N	-	X
2C	6X6	300	6	-	2	Yes	-	-	N	-	X
2D	6X6	300	6	-	2	Yes	-	-	N	-	X
4A	6X40	0	2-4-2	-	4	Yes	-	-	S	-	X
4B	6X40	0	2-4-2	-	4	Yes	-	-	S	-	X
4C	6X40	0	2-4-2	-	4	Yes	-	15	S	-	X
4D	6X40	0	2-4-2	-	4	Yes	-	15	S	-	X
5A	6X40	0	2-4-2	-	5	Yes	-	-	S	-	X
5B	6X40	0	2-4-2	-	5	Yes	-	-	S	-	X
6A	6X6	300	4	-	6	Yes	-	-	N	-	X
6B	6X6	300	4	-	6	Yes	-	-	N	-	X
6C	6X6	300	4	-	6	Yes	-	-	N	-	X

3 Phase Fully Actuated Fayetteville Signal System

NOTES

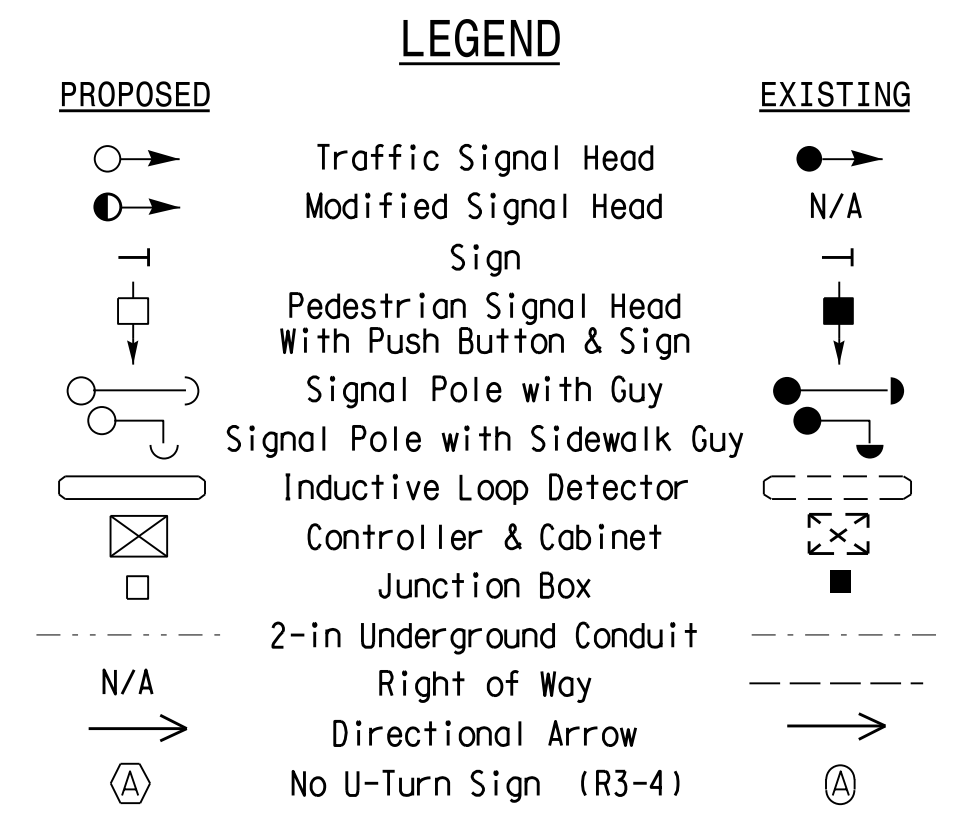
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 5 may be logged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. 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	5	6
Min Green *	12	7	7	12
Walk *	0	0	0	0
Ped Clear	0	0	0	0
Veh. Extension *	6.0	2.0	2.0	6.0
Max 1 *	90	30	30	90
Yellow	4.6	3.0	3.0	4.6
Red Clear	1.8	3.7	3.7	1.8
Actuations B4 Add *	0	-	-	0
Seconds /Actuation *	1.0	-	-	1.0
Max Initial *	34	-	-	34
Time Before Reduction *	15	-	-	15
Time To Reduce *	45	-	-	45
Minimum Gap	3.0	-	-	3.0
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.



Signal Upgrade

NC 24-87 (Bragg Boulevard) at I-295 (Fayetteville Outer Loop) WB Ramp

Division 6 Cumberland County Fayetteville

PLAN DATE: January 2016 REVIEWED BY: JPG

PREPARED BY: Jeff Spence REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE 0 40 1"=40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER JASON P. GALLOWAY 029904

DocuSigned by: Jason P. Galloway 5/24/2016

SIG. INVENTORY NO. 06-1300

24-May-2016 11:41 S:\MIS\Signal Design\Section\Eastern Region\01\U-5742 Fayetteville ASC\3\66-1300\661300_s1a.dsn_2016mmds.dgn
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