

PHASING DIAGRAM

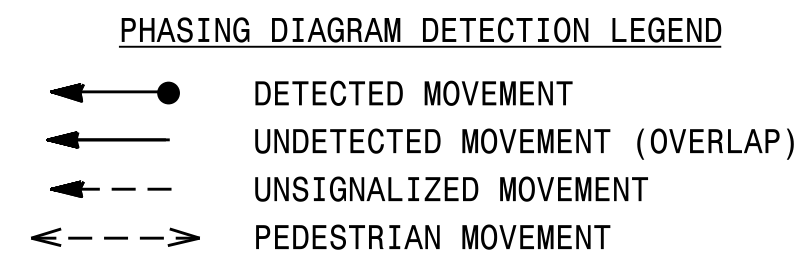
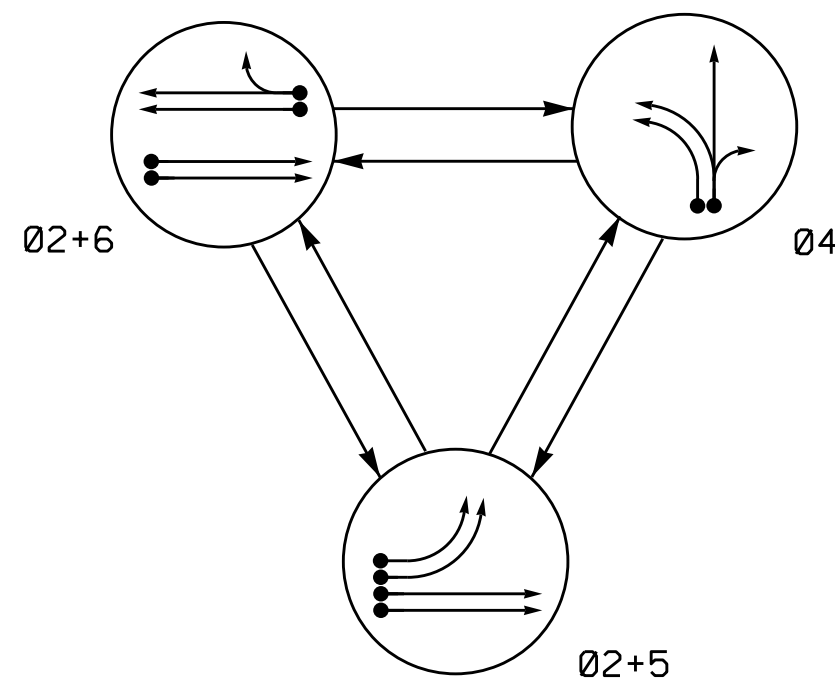
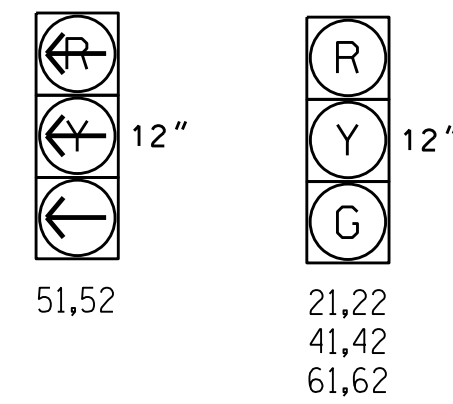


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	F L EAD
21.22	G	G	R	Y
41.42	R	R	G	R
51.52	-	R	R	R
61.62	R	G	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



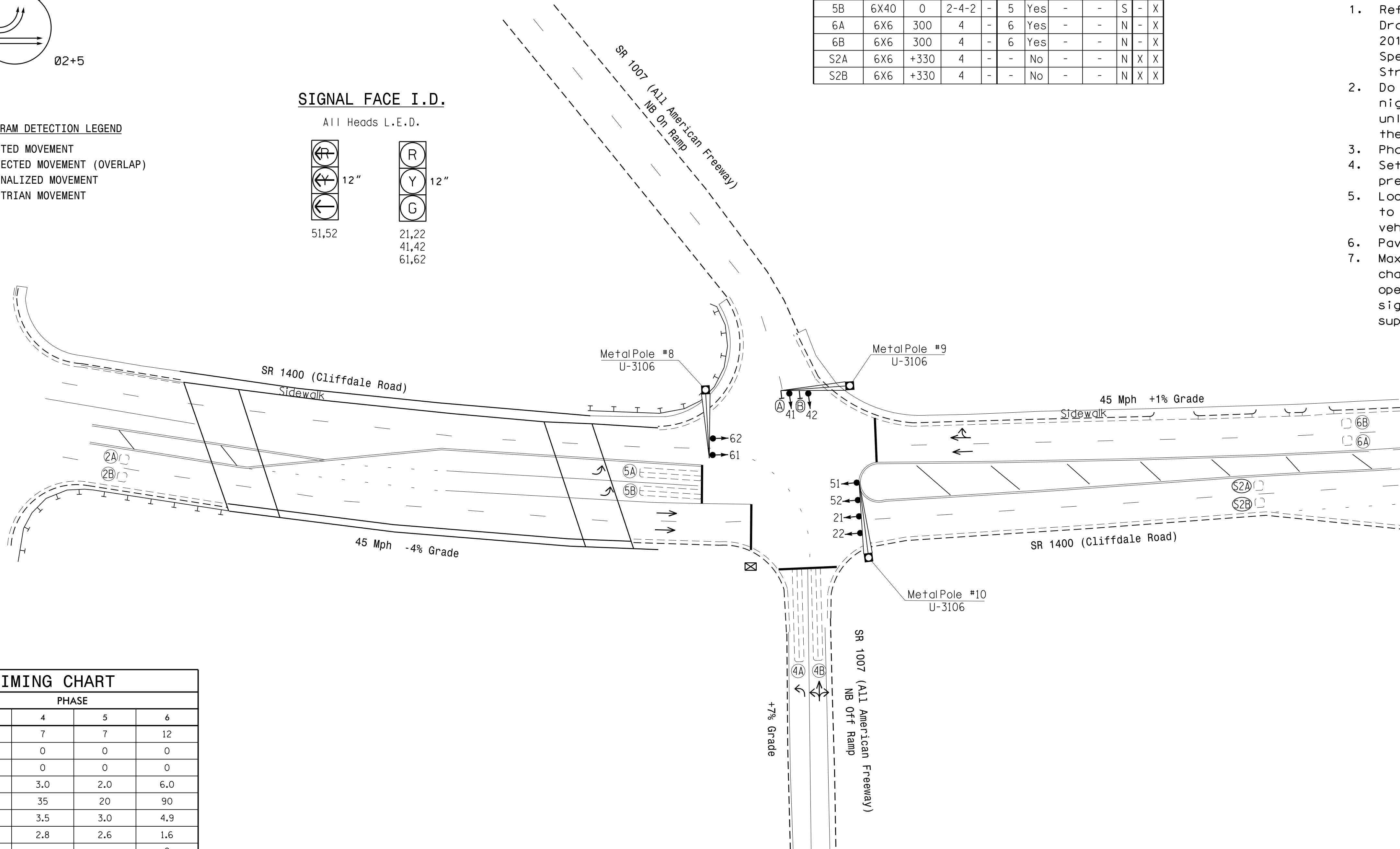
ASC/3 DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING				SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTEND TIME	DELAY TIME		
2A	6X6	400	4	-	2	Yes	1.7	-	N	- X
2B	6X6	400	4	-	2	Yes	1.7	-	N	- X
4A	6X60	0	2-4-2	-	4	Yes	-	-	S	- X
4B	6X60	0	2-4-2	-	4	Yes	-	10	S	- X
5A	6X40	0	2-4-2	-	5	Yes	-	3	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
S2A	6X6	+330	4	-	-	No	-	-	N	X X
S2B	6X6	+330	4	-	-	No	-	-	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.

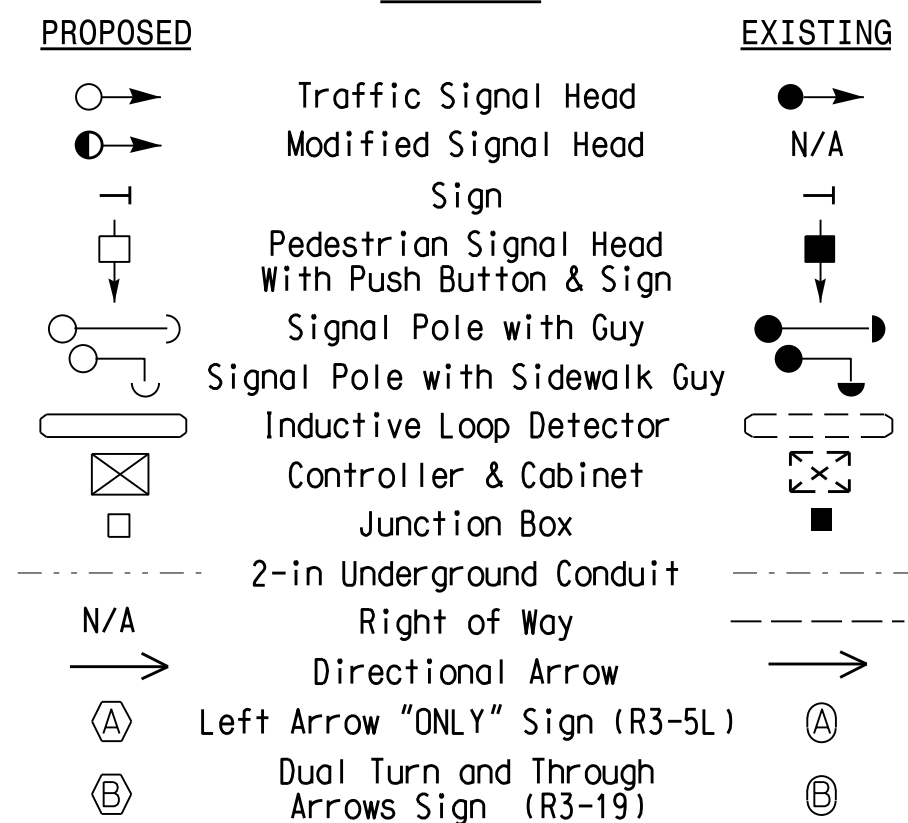


ASC/3 TIMING CHART

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	3.0	2.0	6.0
Max 1 *	90	35	20	90
Yellow	4.9	3.5	3.0	4.9
Red Clear	1.6	2.8	2.6	1.6
Actuations B4 Add *	0	-	-	0
Seconds / Actuation *	1.5	-	-	1.5
Max Initial *	44	-	-	34
Time Before Reduction *	15	-	-	15
Time To Reduce *	30	-	-	30
Minimum Gap	3.0	-	-	3.0
Locking Detector	X	-	-	X
Recall Position	SOFT RECALL	-	-	SOFT 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

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1400 (Cliffdale Road)
at
SR 1007 (All American Freeway)
Northbound Ramps

Division 6 Cumberland County Fayetteville

PLAN DATE: October 2015 REVIEWED BY: JPG

PREPARED BY: Jeff Spence REVIEWED BY:

SEAL

4/15/2016

SCALE 0 40

1" = 40'

REVISIONS

NO.	DESCRIPTION	DATE

INIT. DATE

_____/_____/_____

15-Apr-2016 09:09
 S:\MT\5501\15_Signal\Signal Design\Section\Eastern Region\01\U-5742 Fayetteville\15-ASC3\606-1182\6061182_s1a.dsn_2015.mxd.dgn
 J. Spence