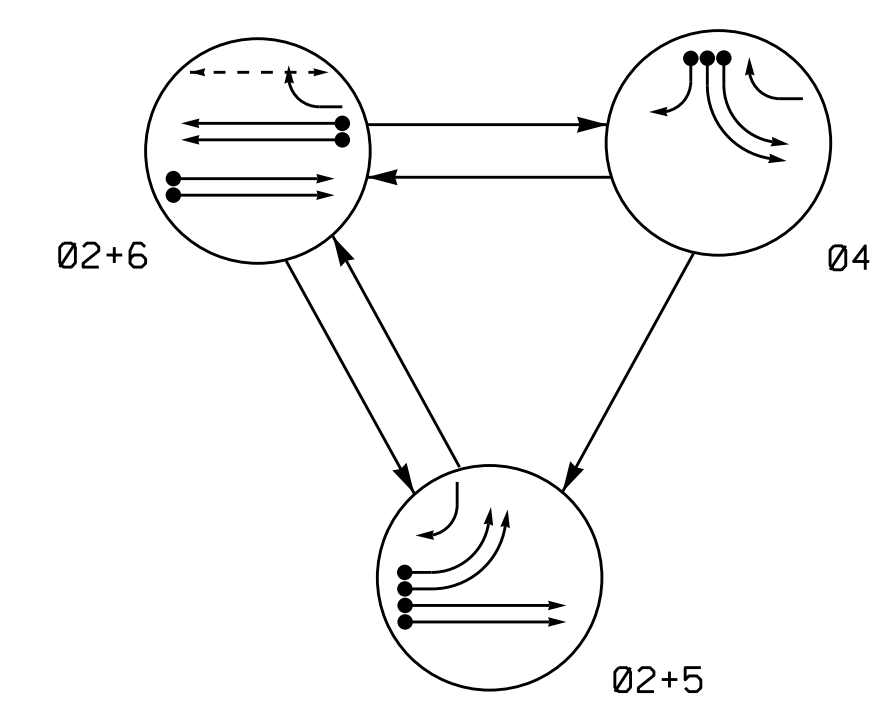


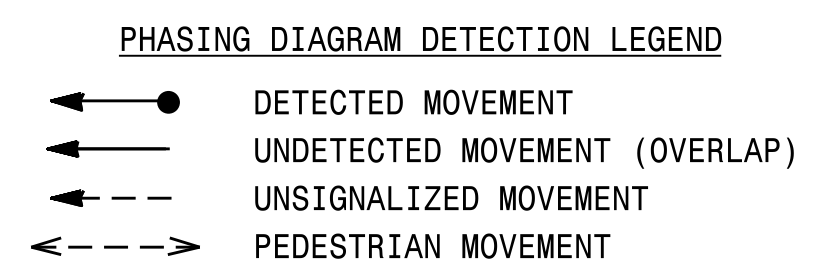
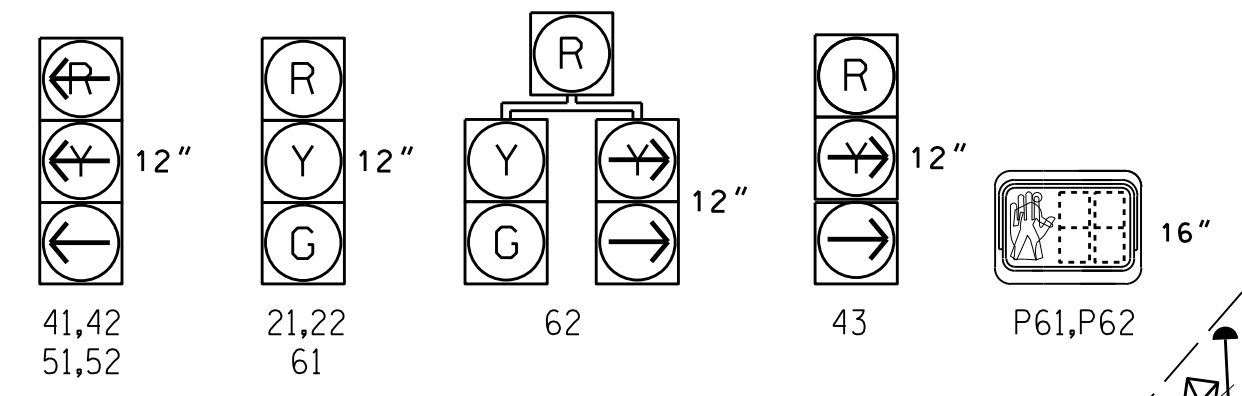
3 Phase Fully Actuated Fayetteville Signal System

PHASING DIAGRAM



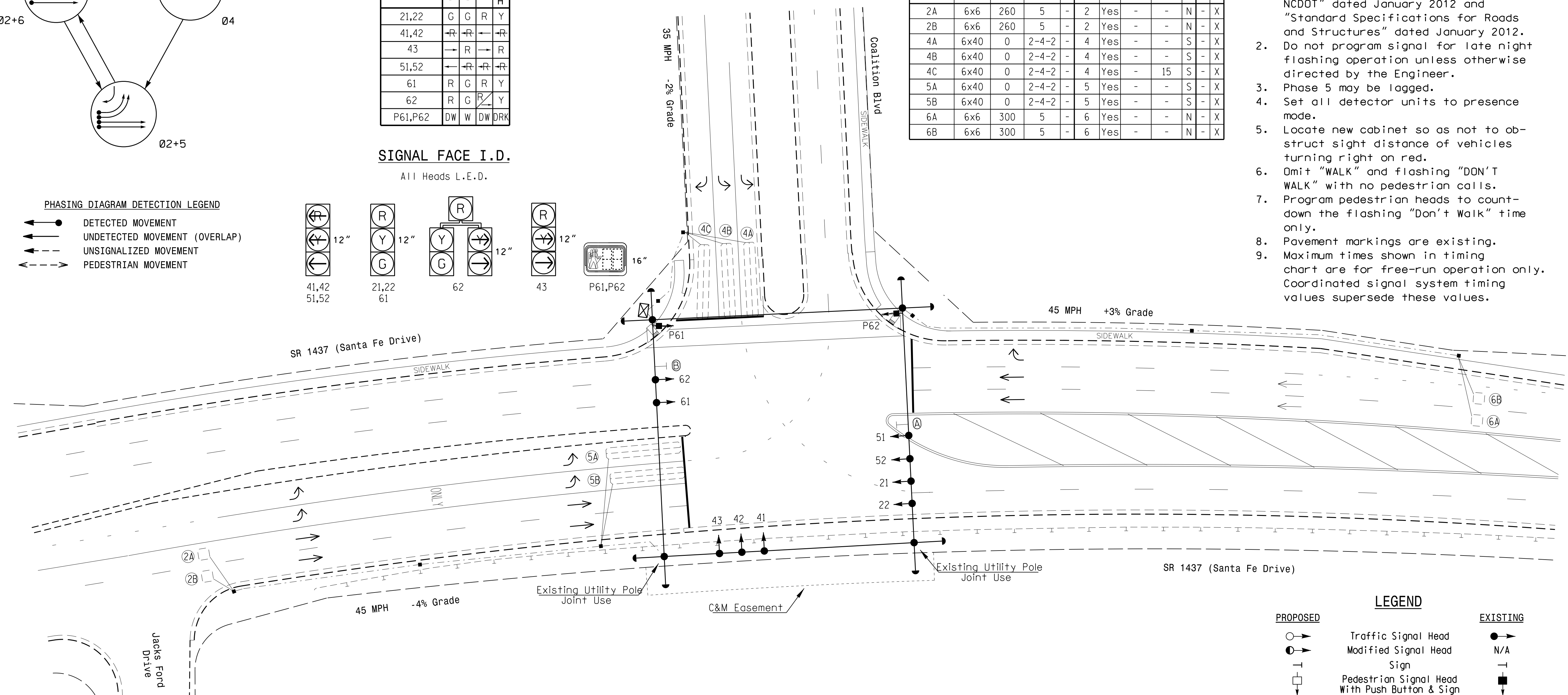
SIGNAL FACE	PHASE				
	02+5	02+6	04	F L S H	Y
21,22	G	G	R	Y	
41,42	R	R	Y	R	
43		R	R		
51,52	Y	R	R	R	
61	R	G	R	Y	
62	R	G	Y		
P61,P62	DW	W	DW	DRK	

SIGNAL FACE I.D.  
All Heads L.E.D.



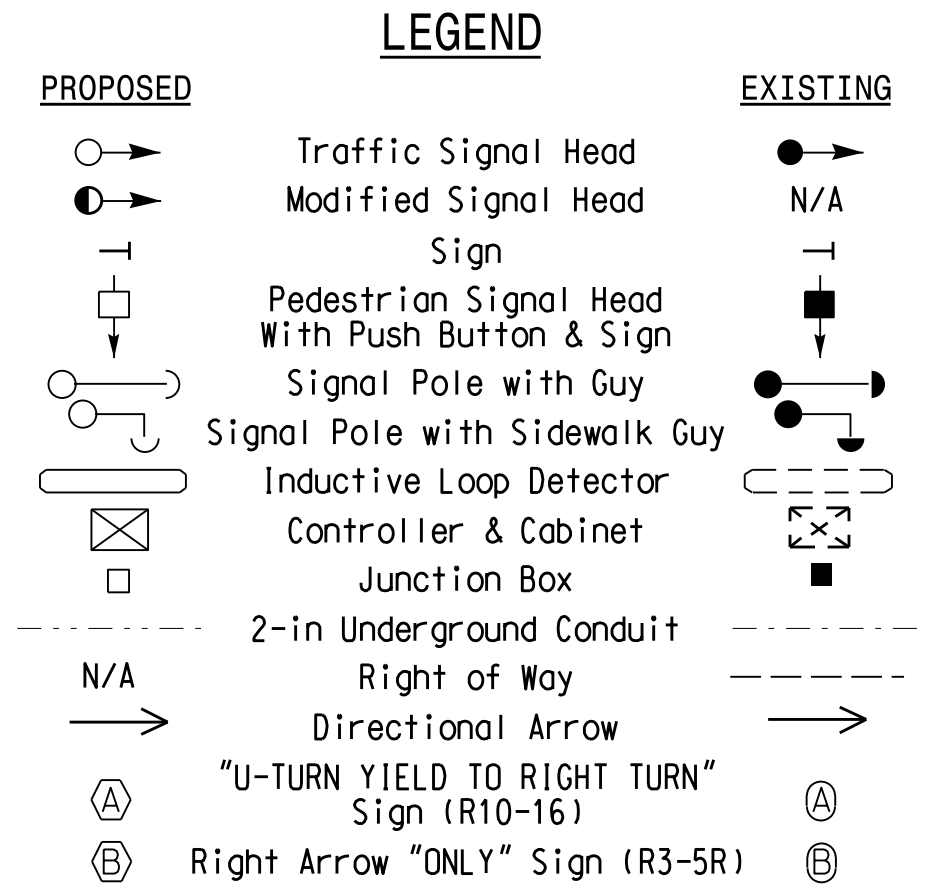
ASC/3 DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2A	6x6	260	5	-	2	Yes	-	-	N	-	X
2B	6x6	260	5	-	2	Yes	-	-	N	-	X
4A	6x40	0	2-4-2	-	4	Yes	-	-	S	-	X
4B	6x40	0	2-4-2	-	4	Yes	-	-	S	-	X
4C	6x40	0	2-4-2	-	4	Yes	-	15	S	-	X
5A	6x40	0	2-4-2	-	5	Yes	-	-	S	-	X
5B	6x40	0	2-4-2	-	5	Yes	-	-	S	-	X
6A	6x6	300	5	-	6	Yes	-	-	N	-	X
6B	6x6	300	5	-	6	Yes	-	-	N	-	X

- NOTES
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
  - Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
  - Phase 5 may be lagged.
  - Set all detector units to presence mode.
  - Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
  - Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
  - Program pedestrian heads to count-down the flashing "Don't Walk" time only.
  - Pavement markings are existing.
  - Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



FEATURE	PHASE			
	2	4	5	6
Min Green *	12	7	7	12
Walk *	0	0	0	7
Ped Clear	0	0	0	32
Veh. Extension *	4.5	2.0	2.0	6.0
Max I *	90	45	45	90
Yellow	4.9	3.0	3.0	4.9
Red Clear	1.9	3.8	3.4	1.9
Actuations B4 Add *	0	-	-	0
Seconds /Actuation *	1.8	-	-	1.8
Max Initial *	30	-	-	30
Time Before Reduction *	30	-	-	30
Time To Reduce *	45	-	-	45
Minimum Gap	2.5	-	-	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

SR 1437 (Santa Fe Drive) at Coalition Boulevard

Division 6 Cumberland County Fayetteville

PLAN DATE: March 2016 REVIEWED BY: JPG

PREPARED BY: KGP, Jr. REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE 1"=30'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER JASON P. GALLOWAY 029904

6/16/2016

SIG. INVENTORY NO. 06-1326

16-jun-2016 09:10  
 S:\Projects\Signal Design\Section\Eastern Region\01\U-5742 Fayetteville ASC3\06-1326\061326\_sfa.dsn\_2016mmds.dgn  
 kgpae@ncd.com