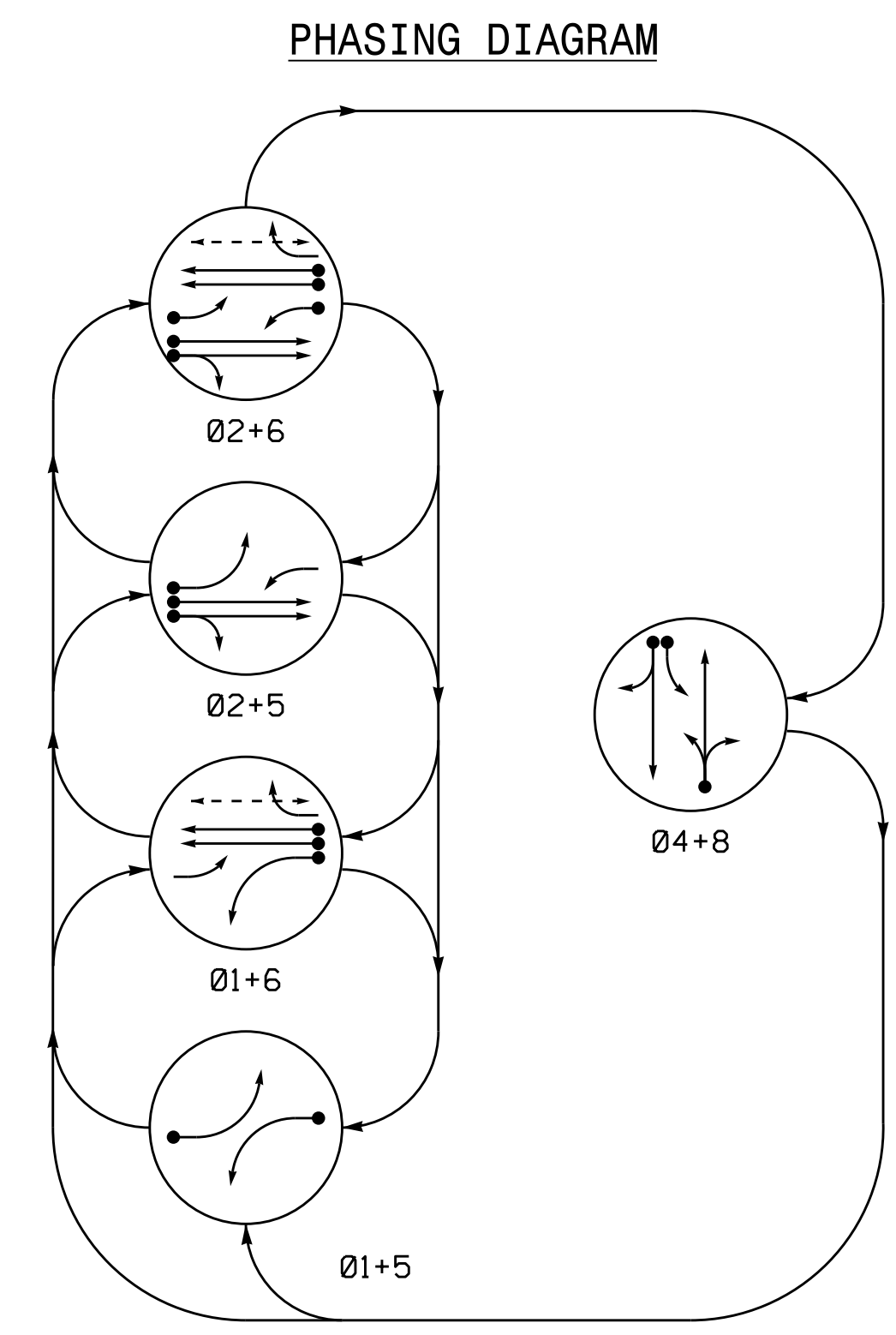


5 Phase Fully Actuated Fayetteville Signal System

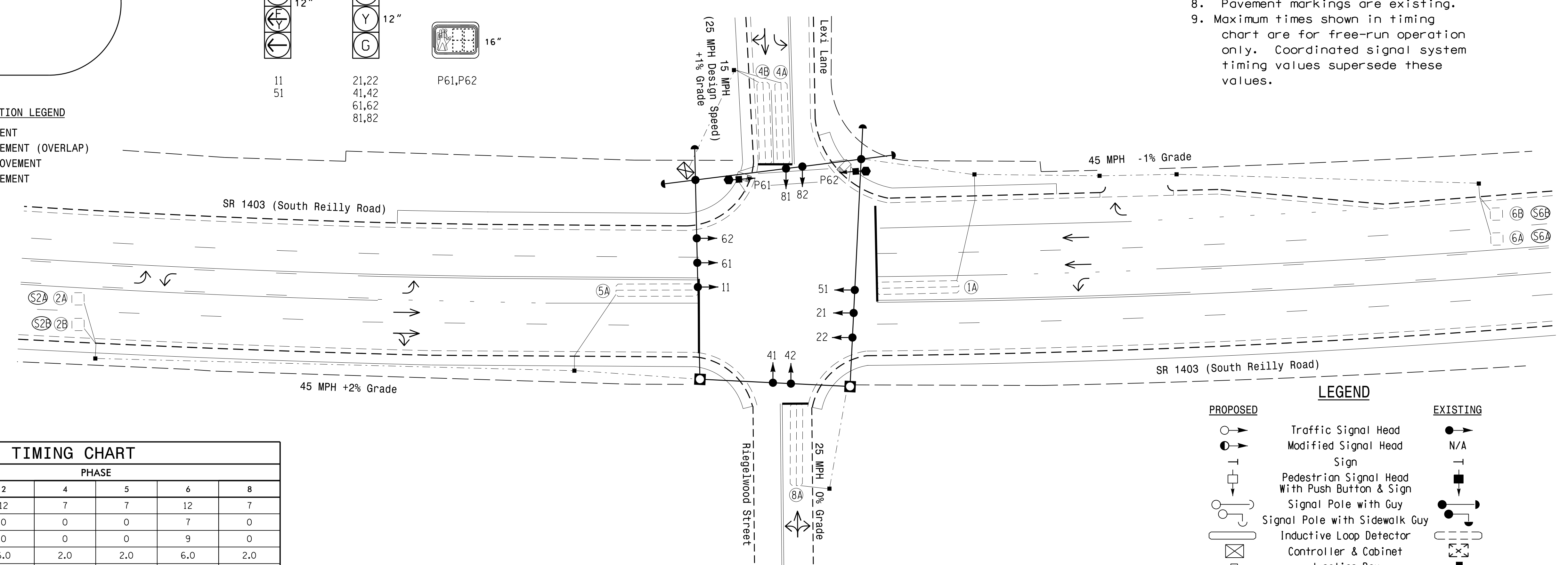
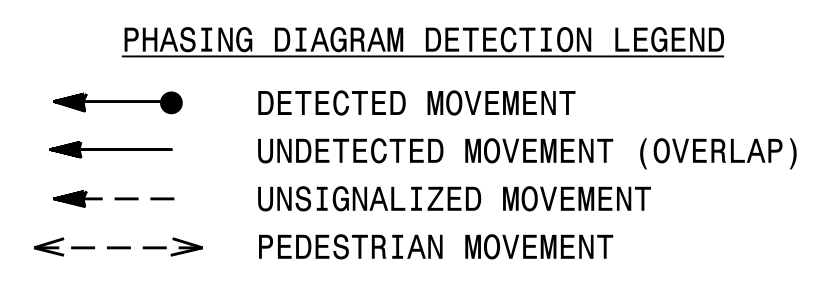
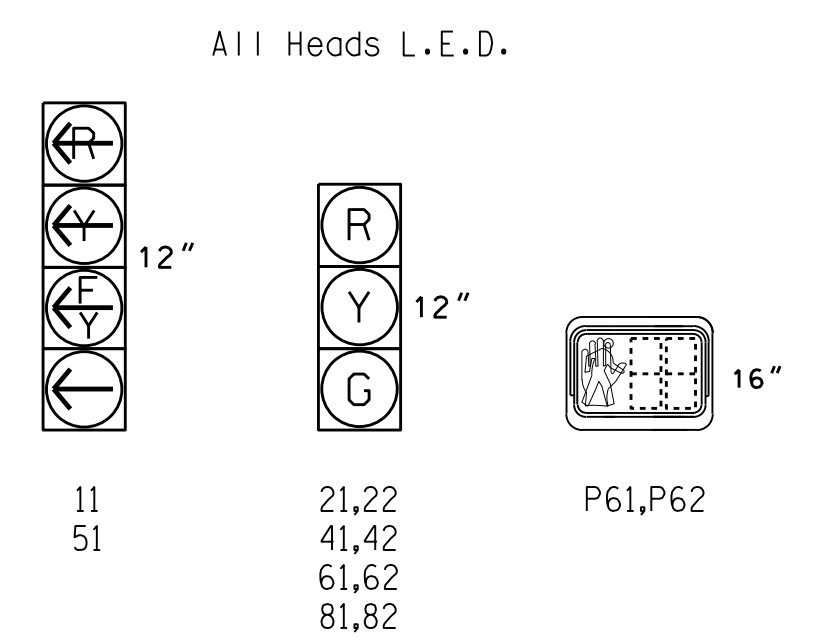


SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	F L R
11	←	←	←	←	←	←
21,22	R	R	G	G	R	Y
41,42	R	R	R	R	G	R
51	←	←	←	←	←	←
61,62	R	G	R	G	R	Y
81,82	R	R	R	R	G	R
P61,P62	DW	W	DW	W	DW	DRK

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
1A	6X40	0	2-4-2	-	1	Yes	-	15	S	- X
2A/S2A	6X6	300	5	-	2	Yes	-	3	G	- X
2B/S2B	6X6	300	5	-	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	-	15	S	- X
6A/S6A	6X6	300	5	-	6	Yes	-	-	N	X X
6B/S6B	6X6	300	5	-	6	Yes	-	-	N	X X
8A	6X40	0	2-4-2	-	8	Yes	-	3	S	- X

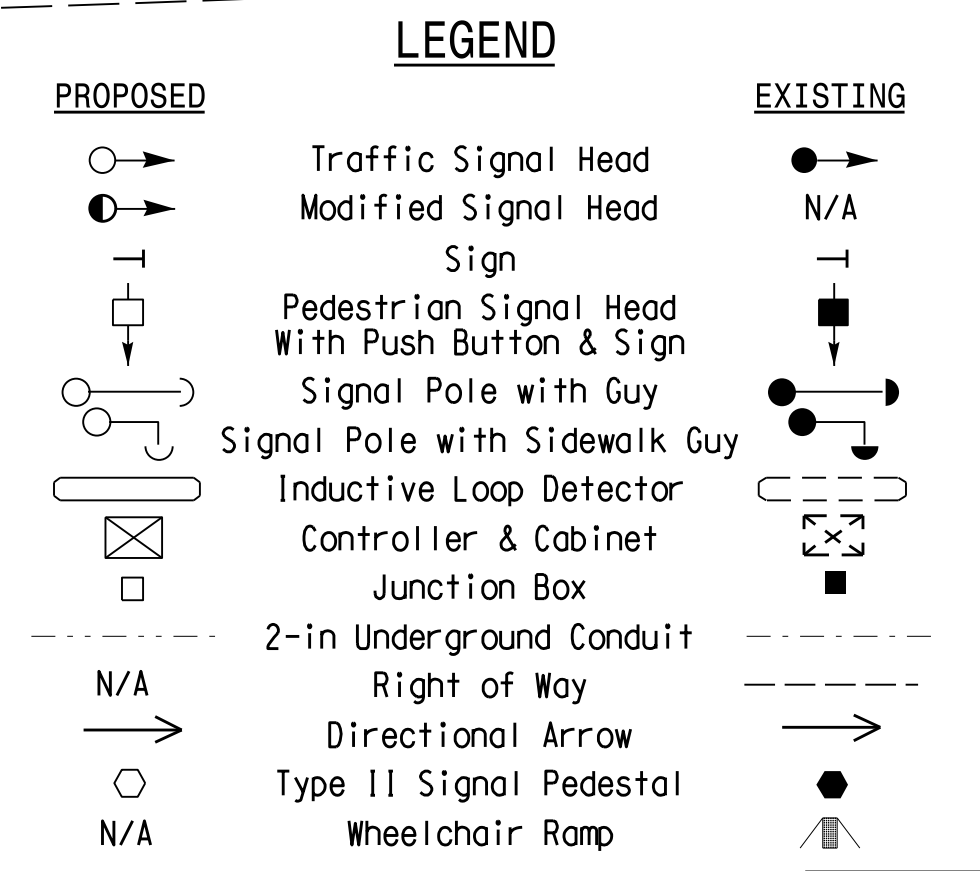
- NOTES**
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
  - Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
  - Phase 1 or phase 5 may be lagged.
  - Set all 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 countdown 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.

**SIGNAL FACE I.D.**



FEATURE	ASC/3 TIMING CHART						
	1	2	4	5	6	8	
Min Green *	7	12	7	7	12	7	
Walk *	0	0	0	0	7	0	
Ped Clear	0	0	0	0	9	0	
Veh. Extension *	2.0	6.0	2.0	2.0	6.0	2.0	
Max I *	15	110	20	15	110	20	
Yellow	3.0	4.6	3.2	3.0	4.6	3.2	
Red Clear	2.1	1.3	3.0	2.6	1.3	3.0	
Actuations B4 Add *	-	0	-	-	0	-	
Seconds / Actuation *	-	1.5	-	-	1.5	-	
Max Initial *	-	34	-	-	34	-	
Time Before Reduction *	-	15	-	-	15	-	
Time To Reduce *	-	30	-	-	30	-	
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	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 1403 (South Reilly Road) at Riegelwood Street / Lexi Lane

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 0 30 1"=30'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL Jason P. Gallaway 5/6/2016

SIG. INVENTORY NO. 06-0956

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