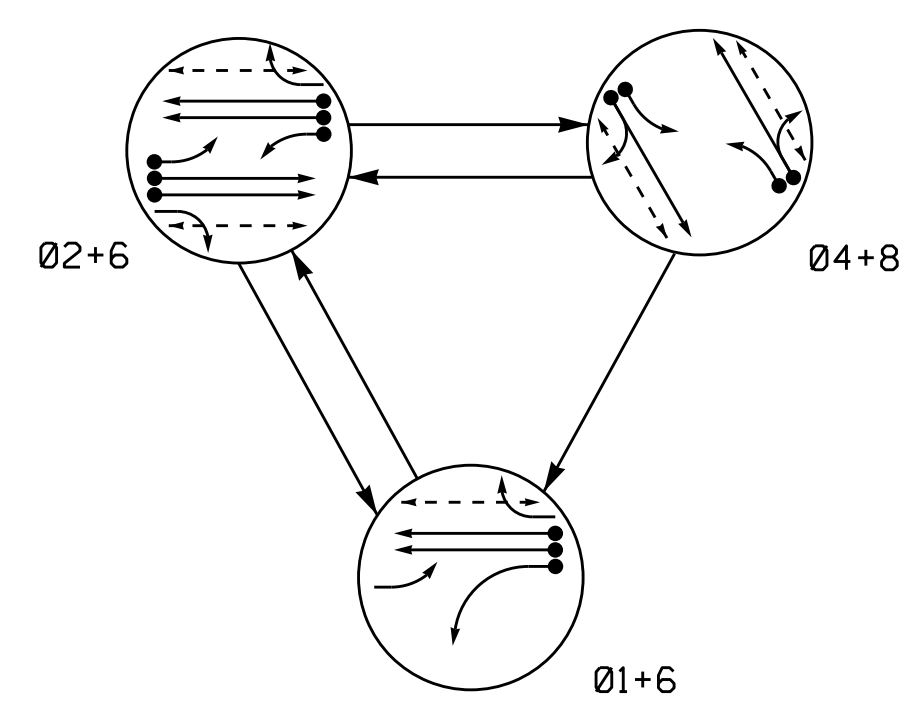
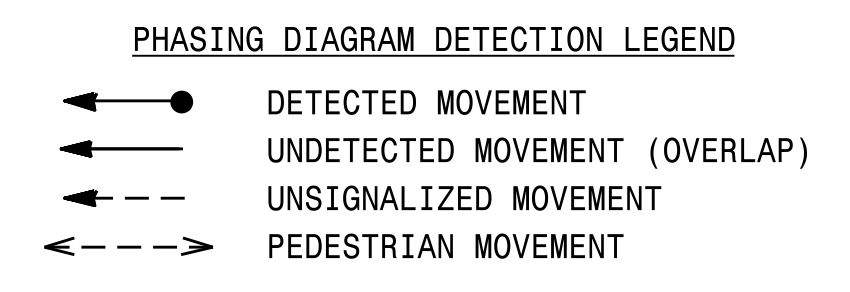


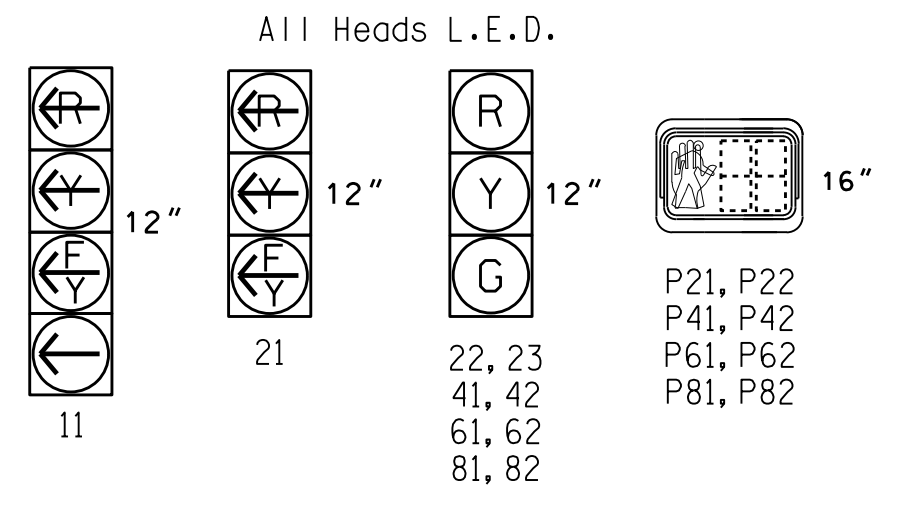
PHASING DIAGRAM



SIGNAL FACE	PHASE			
	01+6	02+6	04+8	FLASH
11	—	F	R	Y
21	F	F	R	Y
22, 23	R	G	R	Y
41, 42	R	R	G	R
61, 62	G	G	R	Y
81, 82	R	R	G	R
P21, P22	DW	W	DW	DRK
P41, P42	DW	DW	W	DRK
P61, P62	W	W	DW	DRK
P81, P82	DW	DW	W	DRK



SIGNAL FACE I.D.

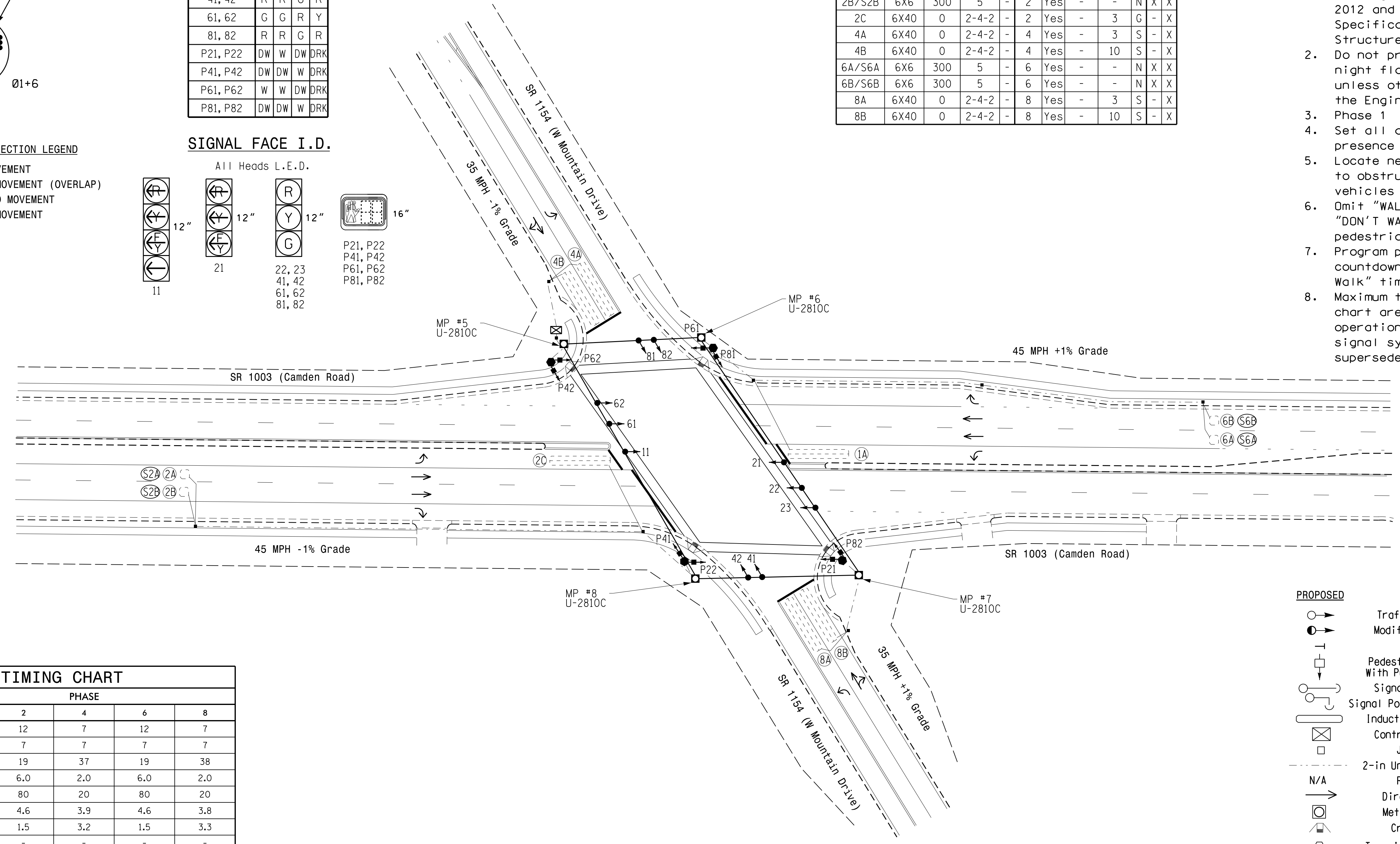


ASC/3 DETECTOR INSTALLATION CHART										
LOOP	DETECTOR				PROGRAMMING					
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP NEW CARD
1A	6X40	0	2-4-2	-	1	Yes	-	15	S	- X
					6	Yes	-	3	G	- X
2A/S2A	6X6	300	5	-	2	Yes	-	-	N	X X
2B/S2B	6X6	300	5	-	2	Yes	-	-	N	X X
2C	6X40	0	2-4-2	-	2	Yes	-	3	G	- X
4A	6X40	0	2-4-2	-	4	Yes	-	-	S	- X
4B	6X40	0	2-4-2	-	4	Yes	-	10	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
8B	6X40	0	2-4-2	-	8	Yes	-	10	S	- X

3 Phase Fully Actuated Fayetteville Signal System

NOTES

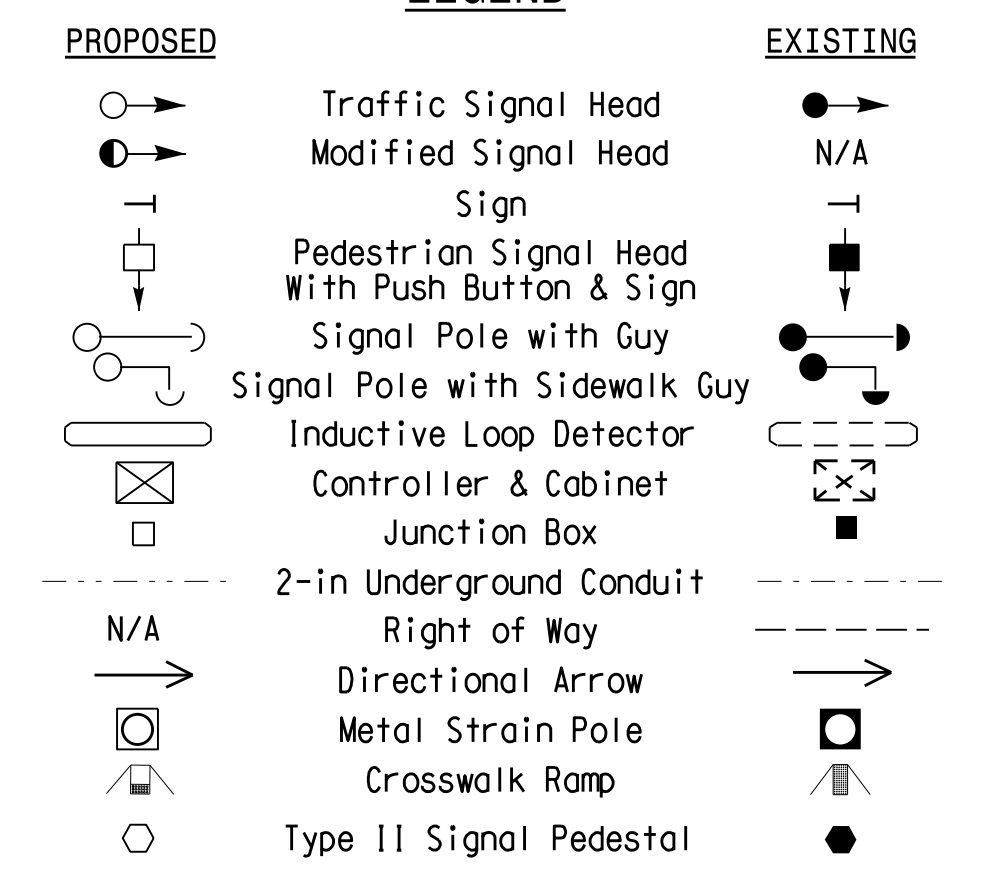
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 may be lagged.
- Set all detector units to presence 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.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



FEATURE	PHASE			
	1	2	4	6
Min Green *	7	12	7	12
Walk *	-	7	7	7
Ped Clear	-	19	37	19
Veh. Extension *	2.0	6.0	2.0	6.0
Max I *	15	80	20	80
Yellow	3.0	4.6	3.9	4.6
Red Clear	2.4	1.5	3.2	1.5
Red Revert	-	-	-	-
Actuations B4 Add *	-	-	-	-
Seconds / Actuation *	-	1.0	-	1.0
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	-
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

SR 1003 (Camden Road) at SR 1154 (W Mountain Drive)

Division 6 Cumberland County Fayetteville

PLAN DATE: December 2015 REVIEWED BY: JG

PREPARED BY: Devin Smith REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

DATE: 5/11/2016

SIG. INVENTORY NO. 06-1195

09-MAY-2016 10:19  
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