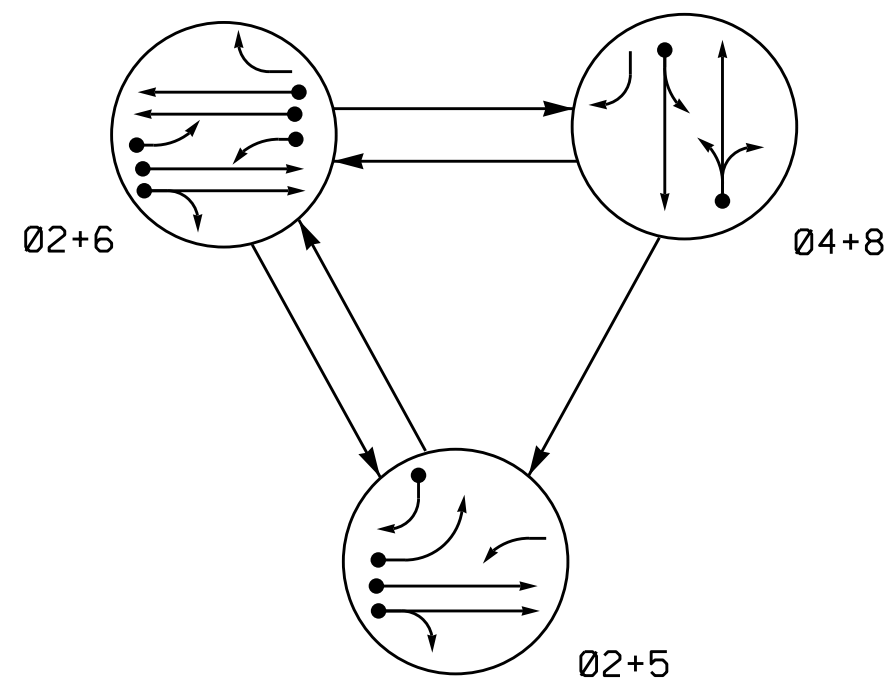


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	0 2 + 5	0 2 + 6	0 4 + 8	F L Y
21,22	G	G	R	Y
41	R	R	G	R
42	R	R	G	R
51	F	F	R	Y
61	F	F	R	Y
62,63	R	G	R	Y
81,82	R	R	G	R

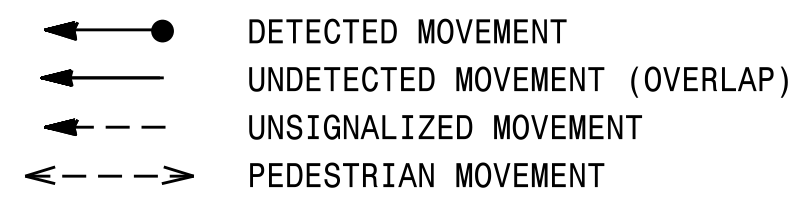
ASC/3 DETECTOR INSTALLATION CHART										
DETECTOR					PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	NEW CARD
2A	6X6	300	5	-	2	Yes	-	-	N	- X
2B	6X6	300	5	-	2	Yes	-	-	N	- X
4A	6X60	0	2-4-2	-	4	Yes	-	3	S	- X
5A	6X60	0	2-4-2	-	5	Yes	-	15	S	- X
5B	6X60	0	2-4-2	-	5	Yes	-	15	S	- X
6A,6B	6X6	300	4	-	6	Yes	-	-	N	- X
6C	6X60	0	2-4-2	-	6	Yes	-	3	G	- X
8A	6X60	0	2-4-2	-	8	Yes	-	10	S	- X

3 Phase Fully Actuated Fayetteville Signal System

NOTES

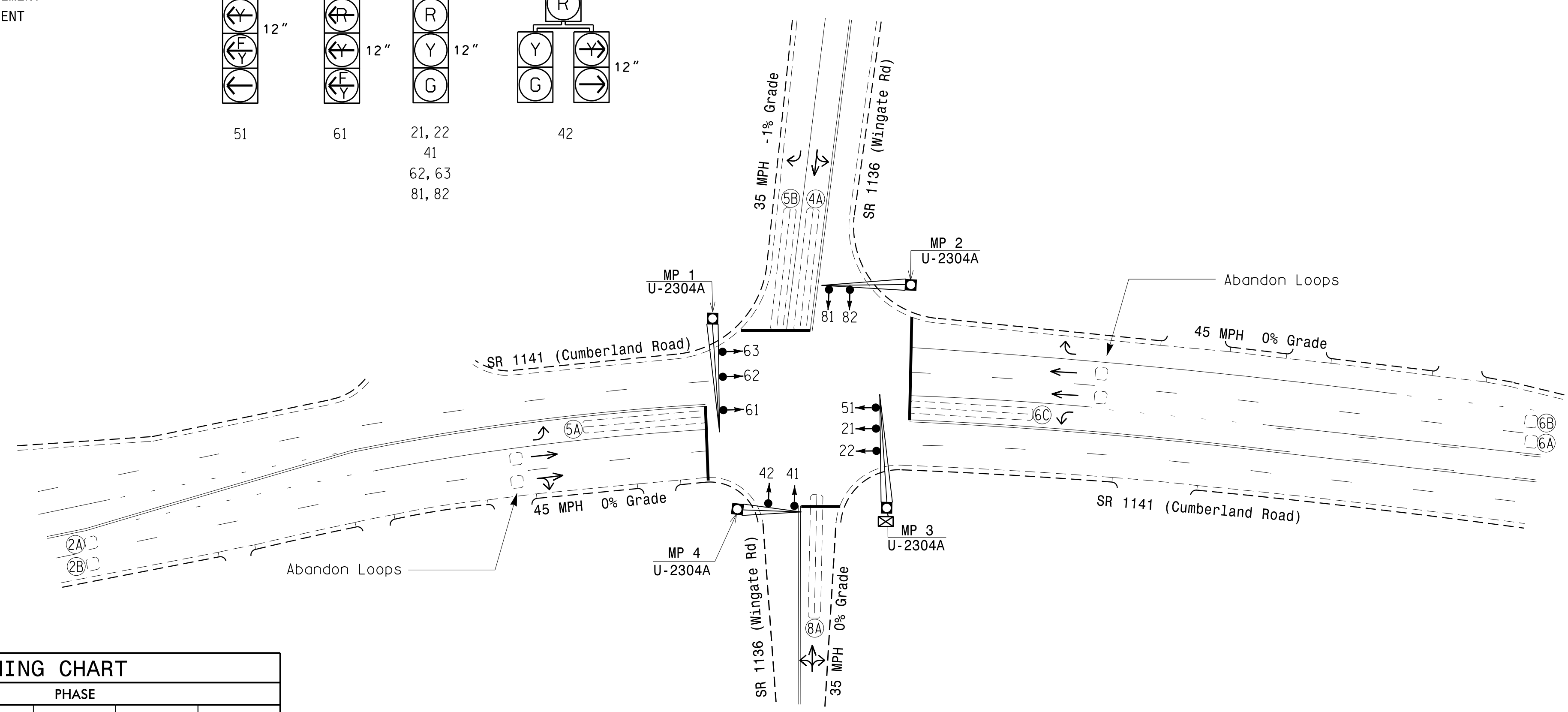
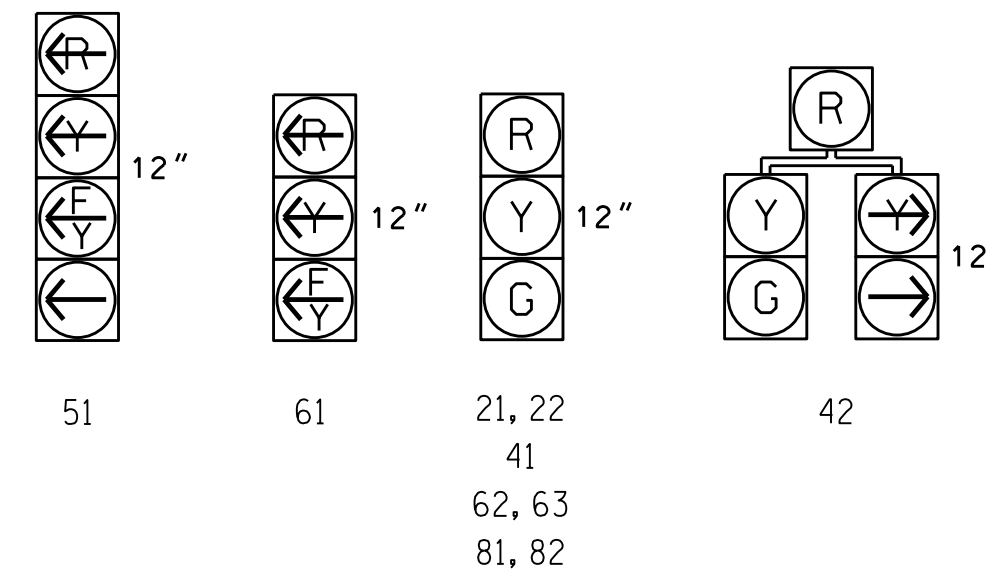
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 5 may be lagged.
- Set all detector units to presence mode.
- In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.

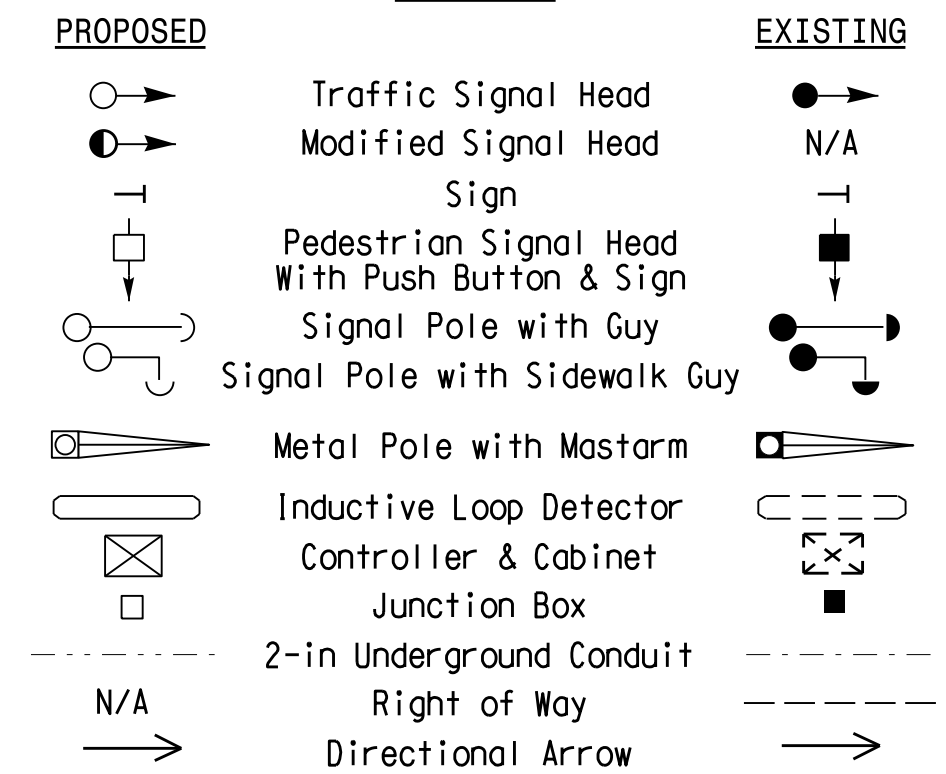
All Heads L.E.D.



FEATURE	ASC/3 TIMING CHART				
	2	4	5	6	8
Min Green *	12	7	7	12	7
Walk *	0	0	0	0	0
Ped Clear	0	0	0	0	0
Veh. Extension *	6.0	1.0	1.0	6.0	1.0
Max 1 *	60	20	15	60	20
Yellow	4.5	3.9	3.0	4.5	3.8
Red Clear	1.1	1.4	2.4	1.1	1.7
Actuations B4 Add *	0	-	-	0	-
Seconds / Actuation *	2.0	-	-	2.0	-
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	-	-	X
Simultaneous Gap	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.

LEGEND



Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1141 (Cumberland Road) at SR 1136 (Wingate Road)

Division 6 Cumberland County Fayetteville

PLAN DATE: June 2016 REVIEWED BY: JPG

PREPARED BY: KGP, Jr. REVIEWED BY:

SEAL

DocuSigned by: Jason P. Gallaway 6/22/2016

SIG. INVENTORY NO. 06-0619

SCALE 0 40 1"=40'

02-0116-2016_1056
 S:\ITS\ASU\ITS_Signal\Signal_Design_Section\Eastern_Region\04\U-5742_Fayetteville\ASC\3\606-0619\6060619_s19.dsn_2016mmds.dgn
 7:reference

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