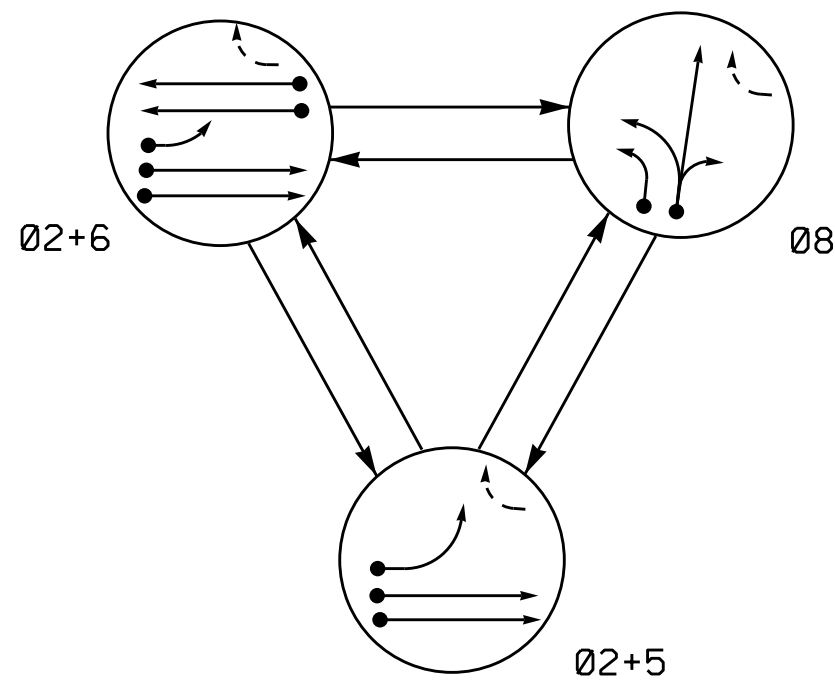


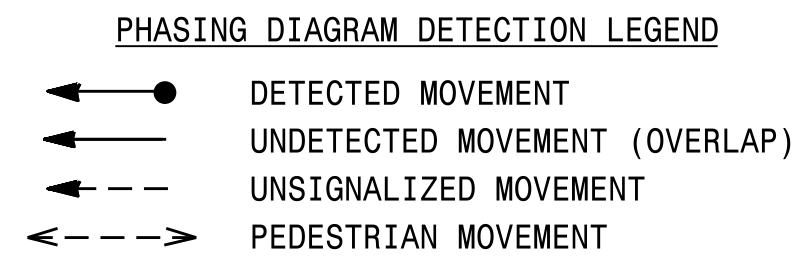
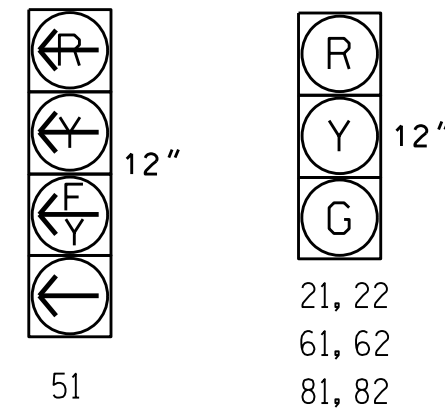
PHASING DIAGRAM



SIGNAL FACE	PHASE			
	02+5	02+6	08	FLTS
21,22	G	G	R	Y
51	-	F	R	Y
61,62	R	G	R	Y
81,82	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.

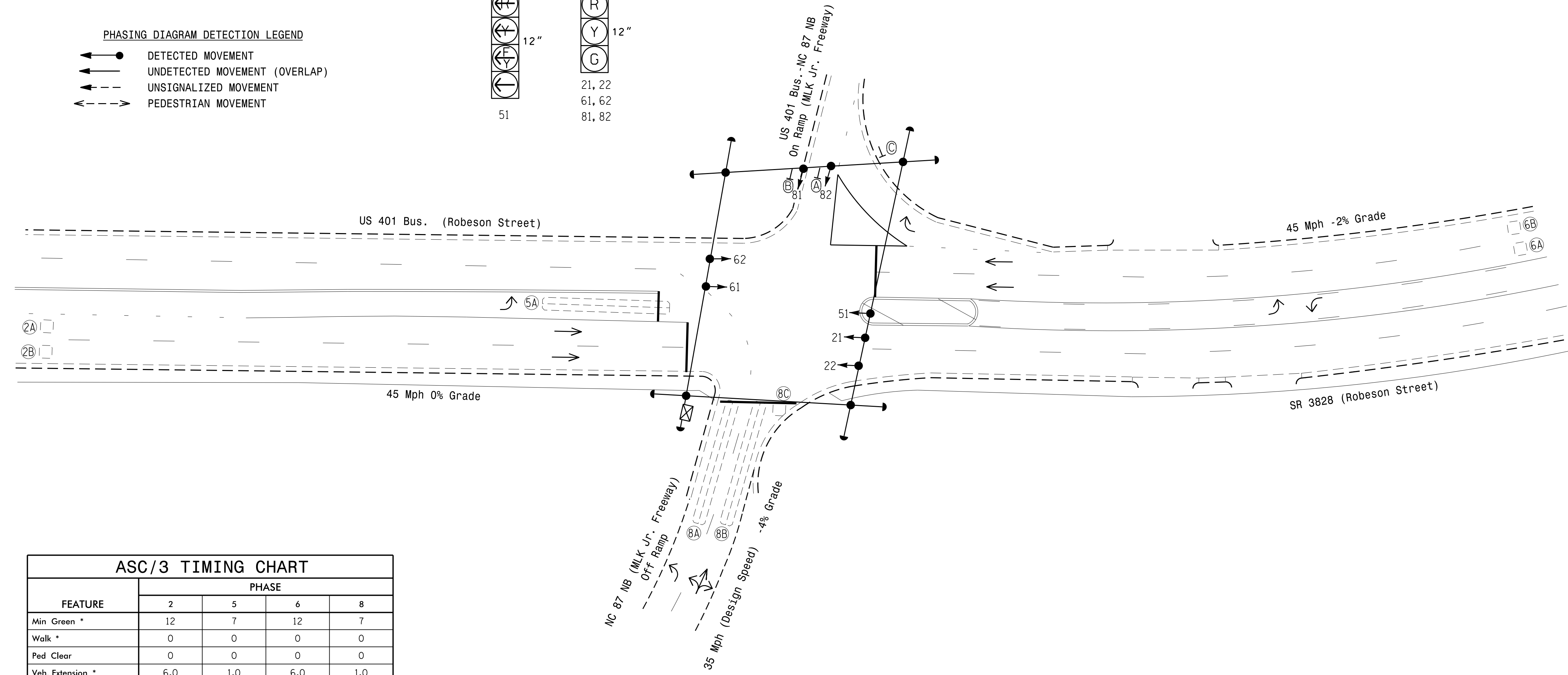


ASC/3 DETECTOR INSTALLATION CHART										
DETECTOR					PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP
2A,2B	6X6	300	4	-	2	Yes	-	-	N	- X
5A	6X60	+5	2-4-2	-	5	Yes	-	15	S	- X
6A	6X6	300	4	-	2	Yes	-	3	G	- X
6B	6X6	300	4	-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

3 Phase Fully Actuated Fayetteville Signal System

NOTES

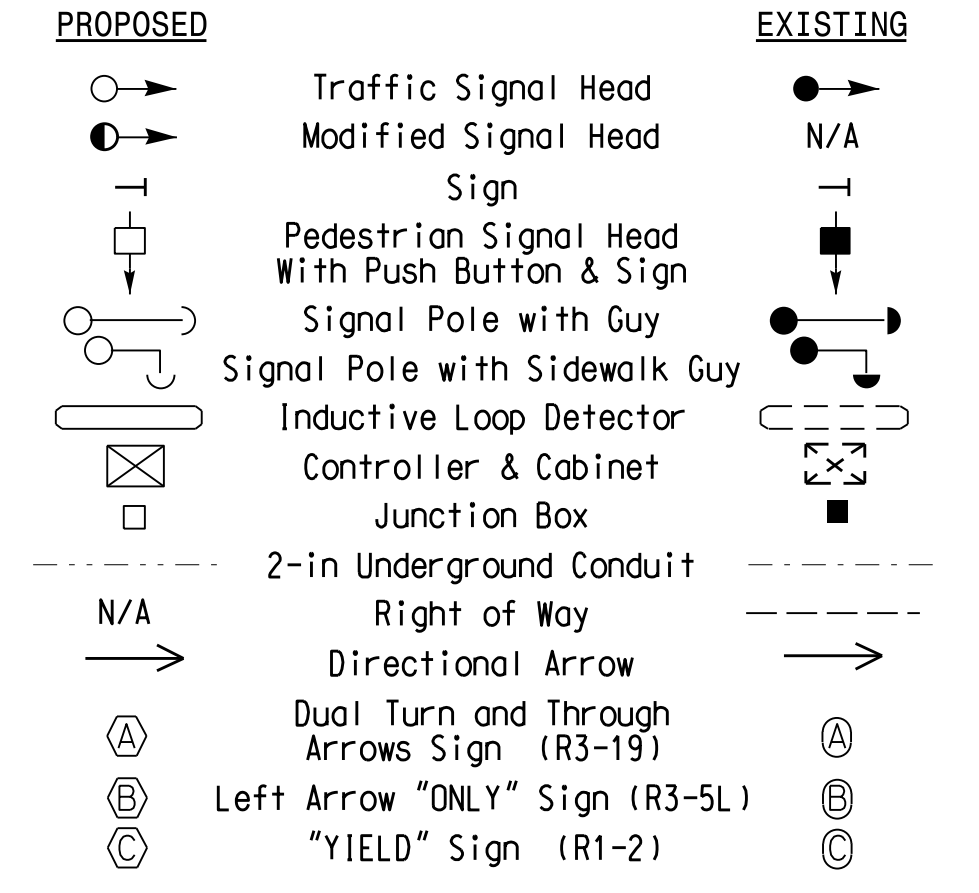
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 5 may be lagged.
- Set all detector units to presence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



FEATURE	PHASE			
	2	5	6	8
Min Green *	12	7	12	7
Walk *	0	0	0	0
Ped Clear	0	0	0	0
Veh. Extension *	6.0	1.0	6.0	1.0
Max 1 *	60	15	60	20
Yellow	4.7	3.0	4.7	4.1
Red Clear	1.0	2.4	1.0	1.6
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	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

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

SR 3828 (Robeson Street) at US 401 Bus - NC 87 Off / On Ramps (MLK Jr Freeway)

Division 6 Cumberland County Fayetteville

PLAN DATE: July 2016 REVIEWED BY: JPG

PREPARED BY: Jeff Spence REVIEWED BY:

REVISIONS

INIT. DATE

Seal: JASON P. GALLOWAY, ENGINEER, NORTH CAROLINA, SEAL 029904

DocuSigned by: Jason P. Galloway 8/3/2016

SIG. INVENTORY NO. 06-0545

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