

PHASING DIAGRAM

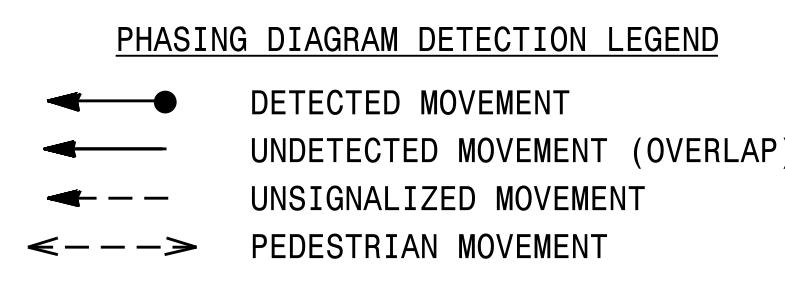
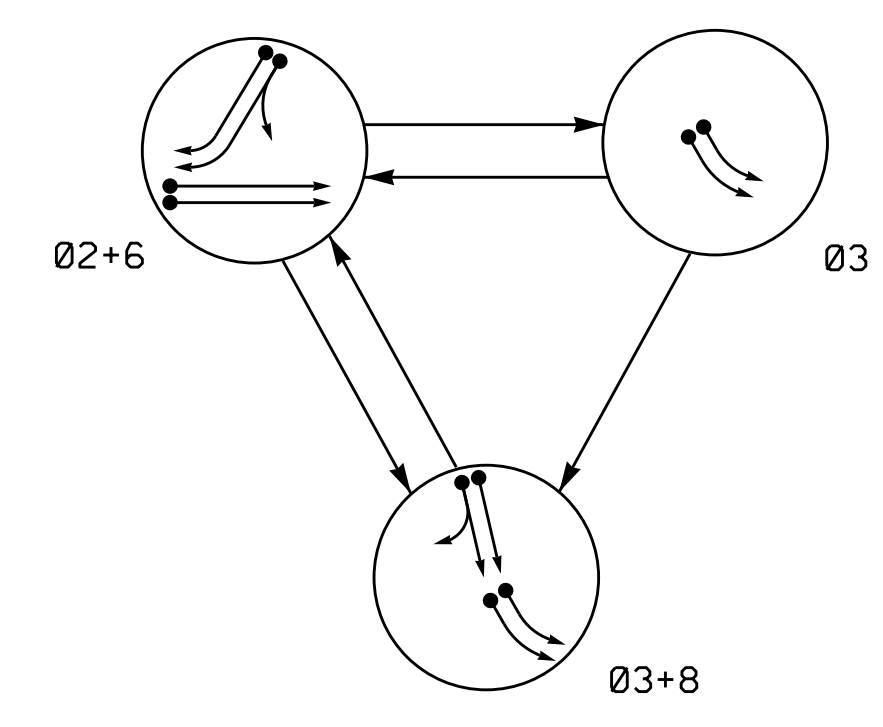
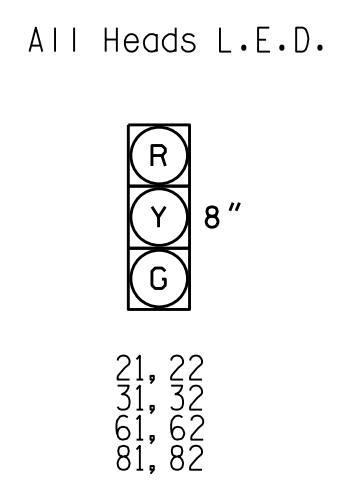


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+6	03	03+8	FLTS
21, 22	G	R	R	Y
31, 32	R	G	G	R
61, 62	G	R	R	Y
81, 82	R	R	G	R

SIGNAL FACE I.D.



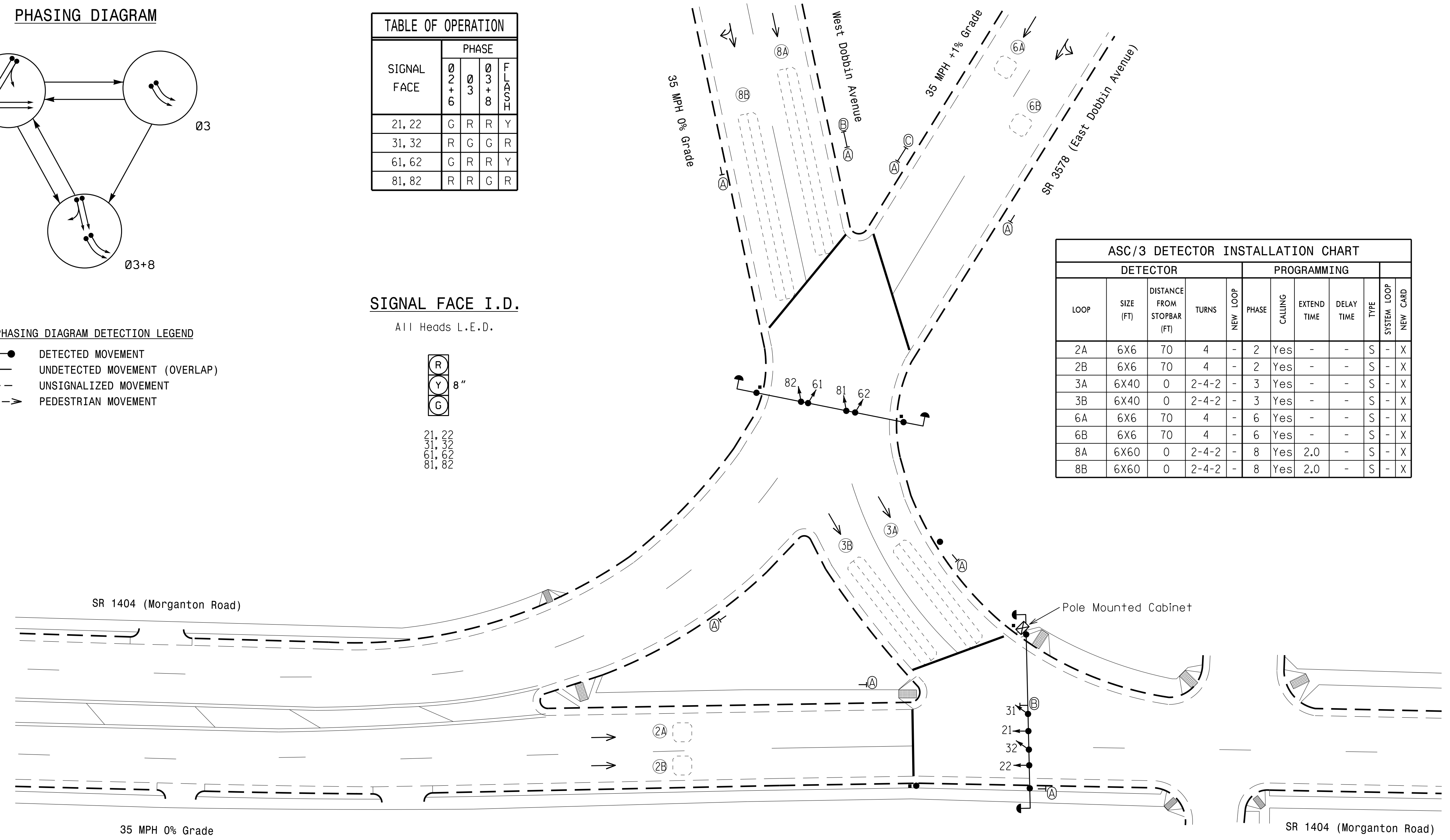
ASC/3 DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING						
					PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	LOOP	NEW CARD
2A	6X6	70	4	-	2	Yes	-	-	S	-	X
2B	6X6	70	4	-	2	Yes	-	-	S	-	X
3A	6X40	0	2-4-2	-	3	Yes	-	-	S	-	X
3B	6X40	0	2-4-2	-	3	Yes	-	-	S	-	X
6A	6X6	70	4	-	6	Yes	-	-	S	-	X
6B	6X6	70	4	-	6	Yes	-	-	S	-	X
8A	6X60	0	2-4-2	-	8	Yes	2.0	-	S	-	X
8B	6X60	0	2-4-2	-	8	Yes	2.0	-	S	-	X

3 Phase Fully Actuated Fayetteville Signal System

NOTES

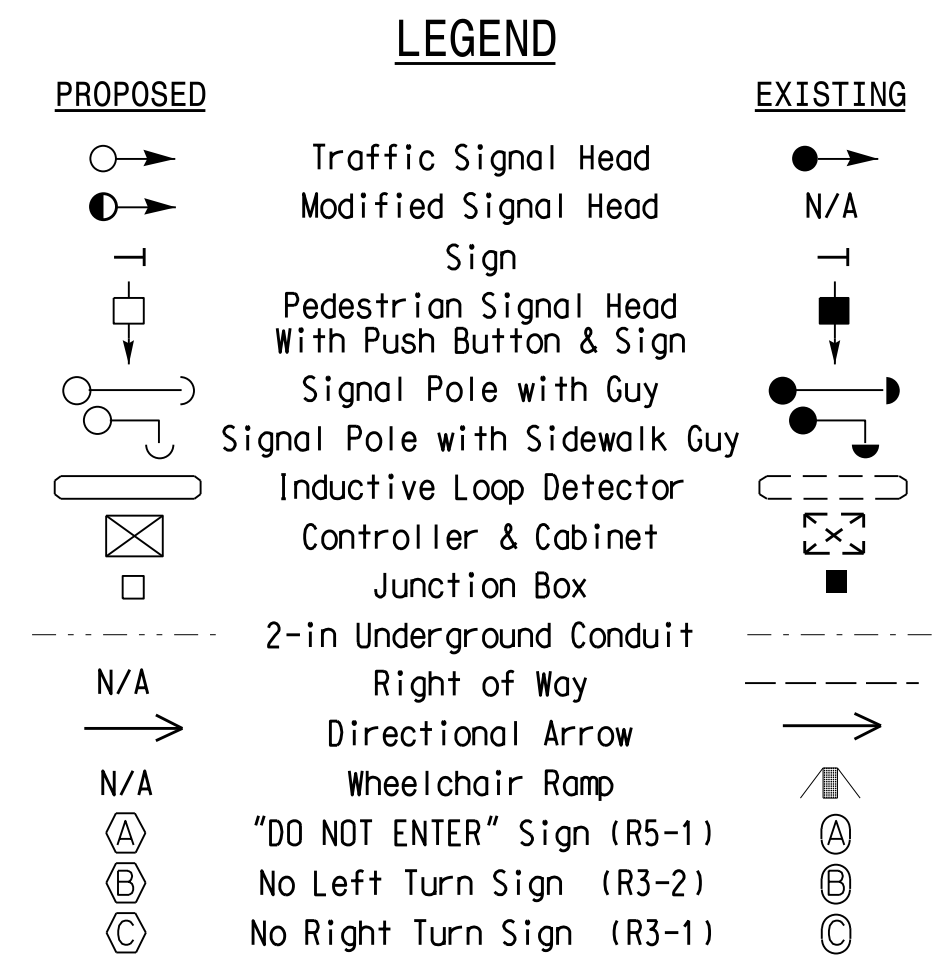
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. In the event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



ASC/3 TIMING CHART

FEATURE	PHASE			
	2	3	6	8
Min Green *	10	7	10	7
Walk *	-	-	-	-
Ped Clear	-	-	-	-
Veh. Extension *	3.0	0.0	3.0	1.0
Max I *	50	10	50	30
Yellow	3.8	3.8	3.8	3.8
Red Clear	1.2	2.3	1.2	2.3
Red Revert	-	-	-	-
Actuations B4 Add *	-	-	-	-
Seconds /Actuation *	-	-	-	-
Max Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
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.



Signal Upgrade

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1404 (Morganton Road) at SR 3578 (East Dobbin Avenue) / West Dobbin Avenue

Division 6 Cumberland County Fayetteville

PLAN DATE: March 2016 REVIEWED BY: JPG

PREPARED BY: Devin Smith REVIEWED BY:

REVISIONS: _____ INIT. DATE

SCALE: 1"=20'

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DocuSigned by: Jason P. Galloway 10/11/2016

SIG. INVENTORY NO. 06-0518

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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