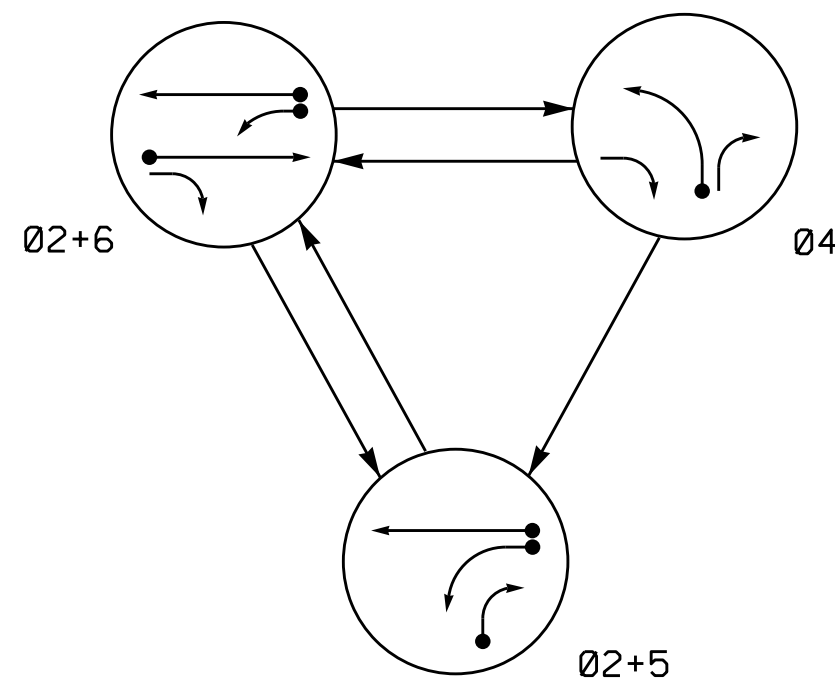


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	02+5	02+6	04	F L
21,22	G	G	R	Y
41	R	R	G	R
42	R	R	G	R
51	-	F	R	Y
61	R	G	R	Y
62	R	G	R	Y

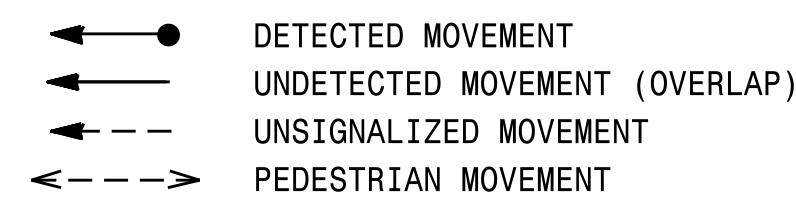
ASC/3 DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2A	6X6	300	5	-	2	Yes	-	-	N	-	X
4A	6X40	0	2-4-2	-	4	Yes	-	-	S	-	X
5A	6X40	0	2-4-2	-	5	Yes	-	15	S	-	X
5B	6X40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

3 Phase Fully Actuated Fayetteville Signal System

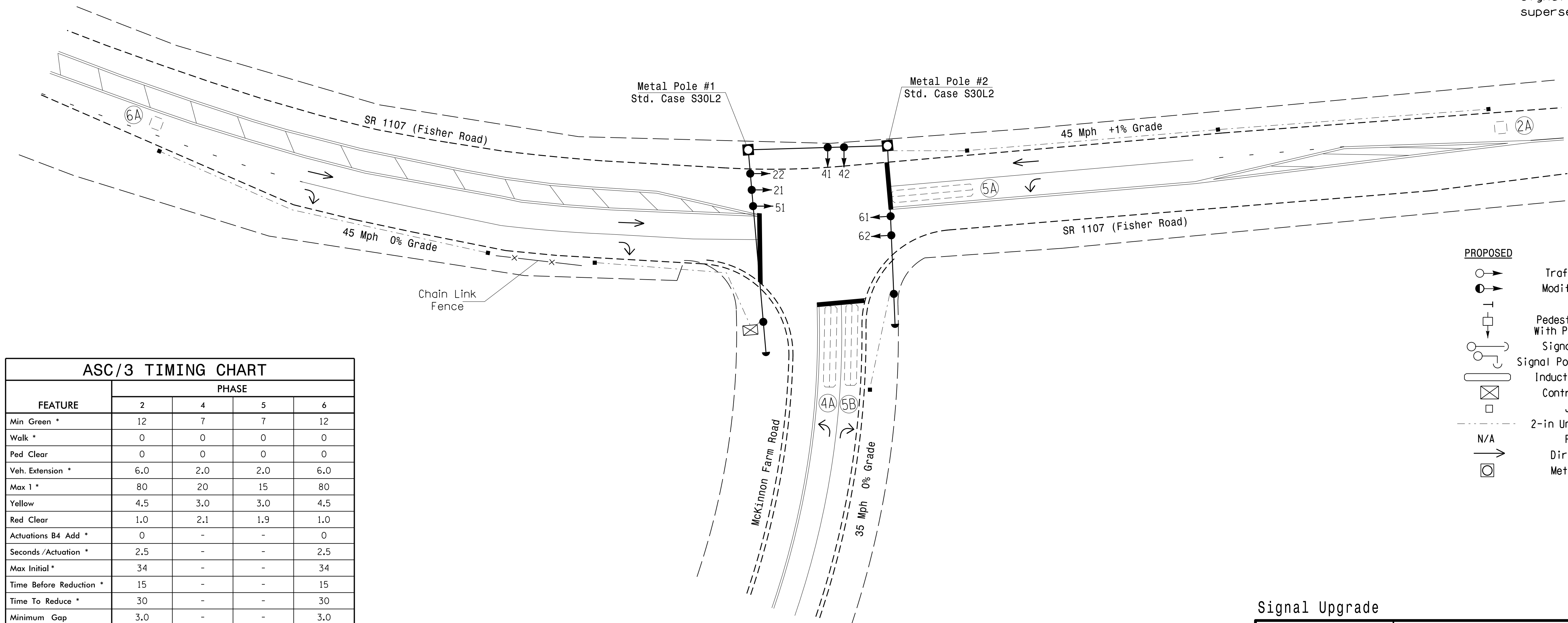
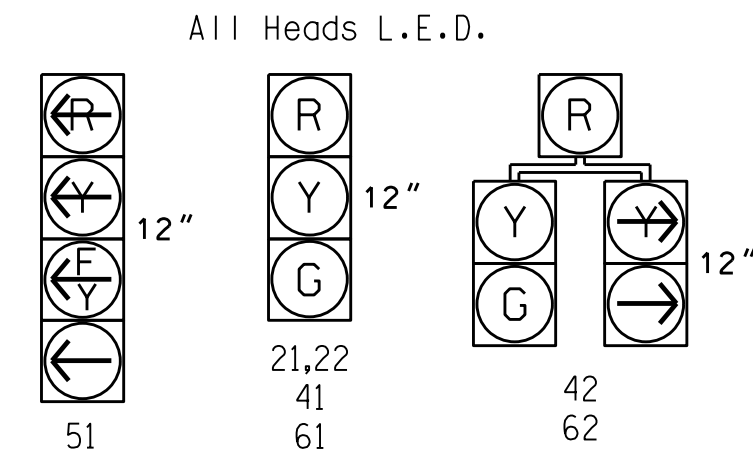
NOTES

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. Phase 5 may be logged.
4. Set all detector units to presence mode.
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.

PHASING DIAGRAM DETECTION LEGEND



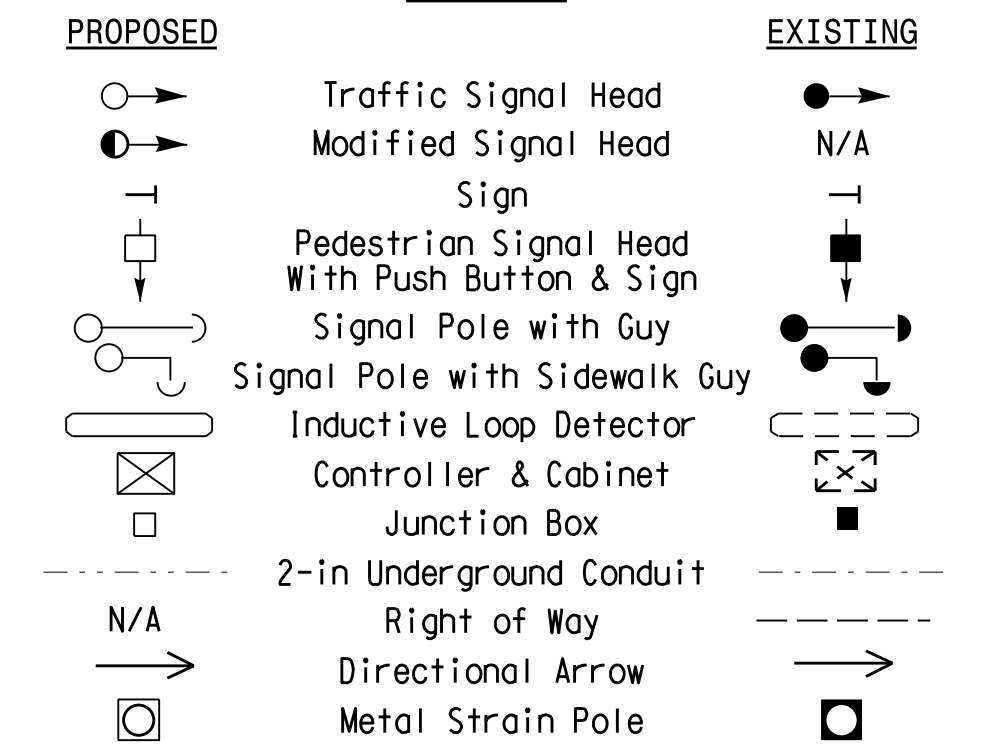
SIGNAL FACE I.D.



FEATURE	PHASE			
	2	4	5	6
Min Green *	12	7	7	12
Walk *	0	0	0	0
Ped Clear	0	0	0	0
Veh. Extension *	6.0	2.0	2.0	6.0
Max 1 *	80	20	15	80
Yellow	4.5	3.0	3.0	4.5
Red Clear	1.0	2.1	1.9	1.0
Actuations B4 Add *	0	-	-	0
Seconds /Actuation *	2.5	-	-	2.5
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	-	-	-	-
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 1107 (Fisher Road) at McKinnon Farm Road
 Division 6 Cumberland County Fayetteville
 PLAN DATE: June 2016 REVIEWED BY: JPG
 PREPARED BY: Jeff Spence REVIEWED BY:

7/5/2016
 SEAL 029904
 JASON P. GALLOWAY
 ENGINEER

750 N. Greenfield Pkwy, Garner, NC 27529
 SCALE 1"=30'
 REVISIONS INIT. DATE
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
 SIG. INVENTORY NO. 06-1352

09-july-2016 1:45:01
 S:\Projects\5742\Sig\1352\Sig\1352.dgn
 7:spence