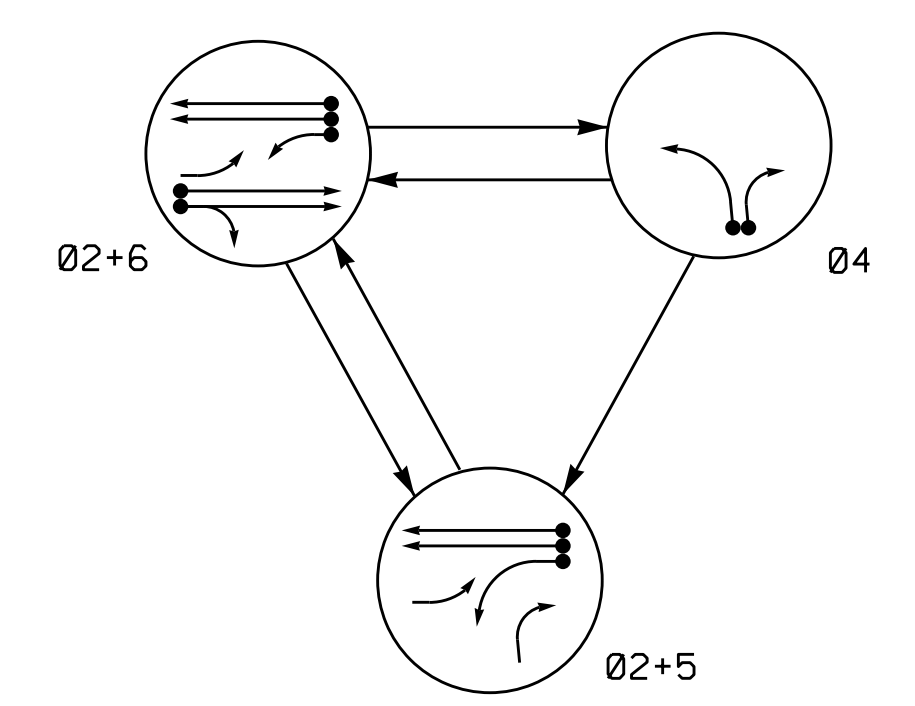


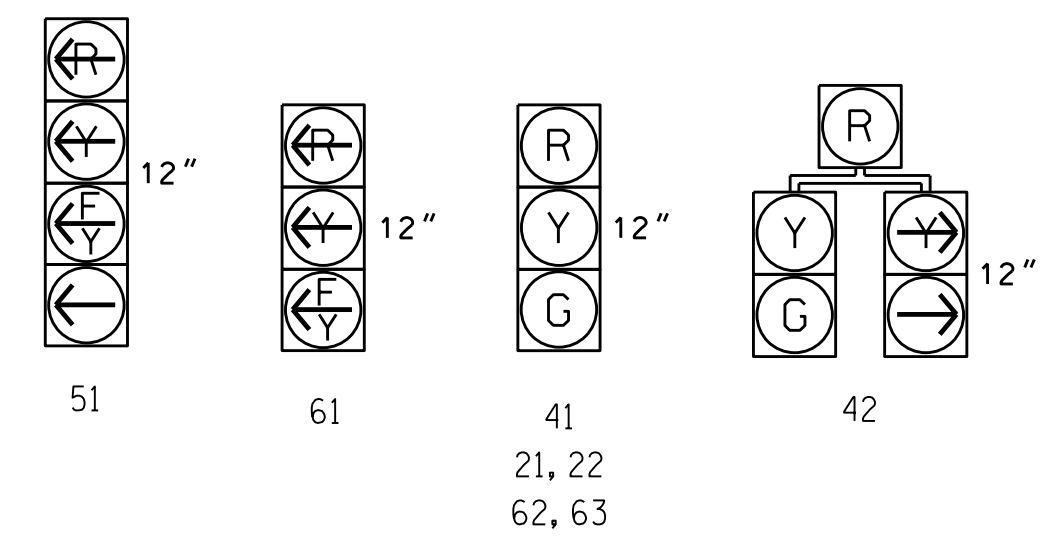
PHASING DIAGRAM



SIGNAL FACE	PHASE			
	02+5	02+6	04	F LOCAL
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

SIGNAL FACE I.D.

All Heads L.E.D.



PHASING DIAGRAM DETECTION LEGEND

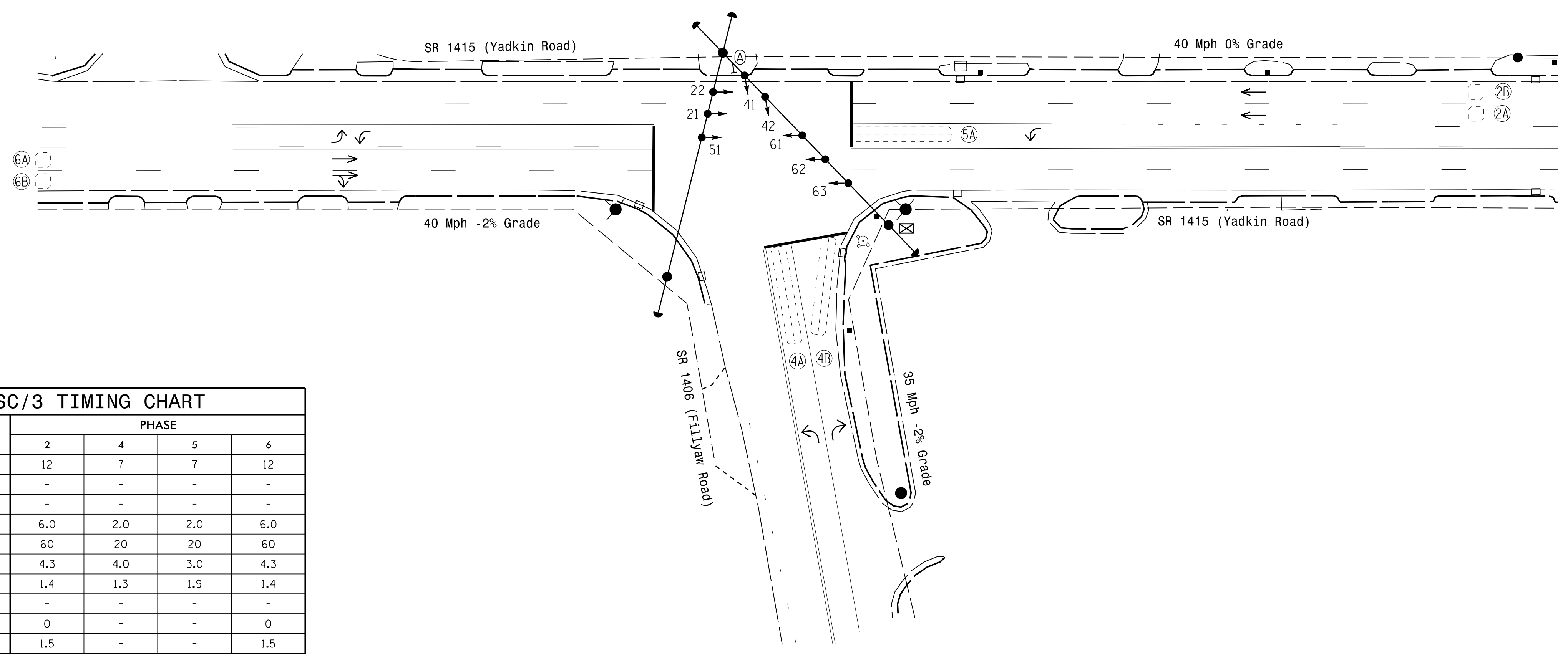
- ←● DETECTED MOVEMENT
- ←○ UNDETECTED MOVEMENT (OVERLAP)
- ←--- UNSIGNALIZED MOVEMENT
- ←- - - PEDESTRIAN MOVEMENT

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	250	4	-	2	Yes	-	-	N	-	X
2B	6X6	250	4	-	2	Yes	-	-	N	-	X
4A	6X40	0	2-4-2	-	4	Yes	-	3	S	-	X
4B	6X40	0	2-4-2	-	4	Yes	-	15	S	-	X
5A	6X40	0	2-4-2	-	5	Yes	-	15	S	-	X
6A	6X6	250	4	-	6	Yes	-	-	N	-	X
6B	6X6	250	4	-	6	Yes	-	-	N	-	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.
- 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	4	5	6
Min Green *	12	7	7	12
Walk *	-	-	-	-
Ped Clear	-	-	-	-
Veh. Extension *	6.0	2.0	2.0	6.0
Max 1 *	60	20	20	60
Yellow	4.3	4.0	3.0	4.3
Red Clear	1.4	1.3	1.9	1.4
Red Revert	-	-	-	-
Actuations B4 Add *	0	-	-	0
Seconds /Actuation *	1.5	-	-	1.5
Max Initial *	29	-	-	29
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	
PROPOSED	EXISTING
○→ Traffic Signal Head	●→ N/A
●→ Modified Signal Head	○→ N/A
□→ Sign	□→ N/A
□→ Pedestrian Signal Head With Push Button & Sign	□→ N/A
○→ Signal Pole with Guy	●→ N/A
○→ Signal Pole with Sidewalk Guy	●→ N/A
▭→ Inductive Loop Detector	▭→ N/A
⊠→ Controller & Cabinet	⊠→ N/A
□→ Junction Box	□→ N/A
--- 2-in Underground Conduit	--- N/A
--- Right of Way	--- N/A
→ Directional Arrow	→ N/A
Ⓐ Left Arrow "ONLY" Sign (R3-5L)	Ⓐ N/A

Signal Upgrade

SR 1415 (Yadkin Road) at SR 1406 (Fillyaw Road)

Division 6 Cumberland County Fayetteville

PLAN DATE: May 2016 REVIEWED BY: JPG

PREPARED BY: Devin Smith REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

DATE: 5/13/2016

SIG. INVENTORY NO. 06-0508

13-MAY-2016 15:16
 S:\MITSU\13-SIGNAL\Signal Design\Section\Eastern Region\01\U-5742 Fayetteville\11e ASC3\606-0508\60508_s1.dgn_2016mmds.dgn
 J:\sm\118