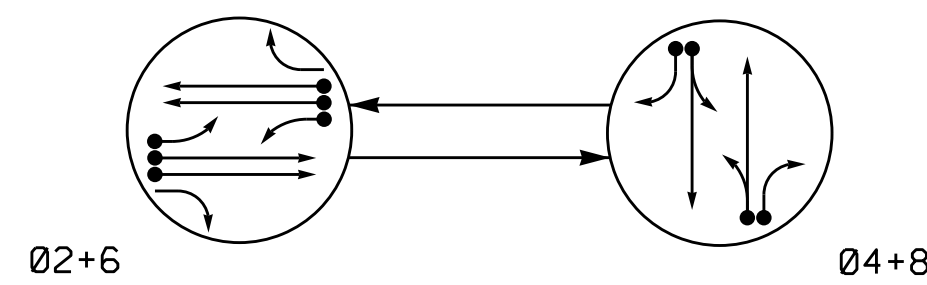


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

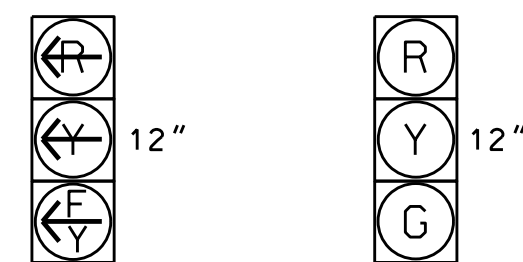
- → DETECTED MOVEMENT
- → UNDETECTED MOVEMENT (OVERLAP)
- - - → UNSIGNALIZED MOVEMENT
- ← - - - → PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø 2+6	Ø 4+8	F L
21	F	R	Y
22,23	G	R	Y
41,42	R	G	R
61	F	R	Y
62,63	G	R	Y
81,82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.

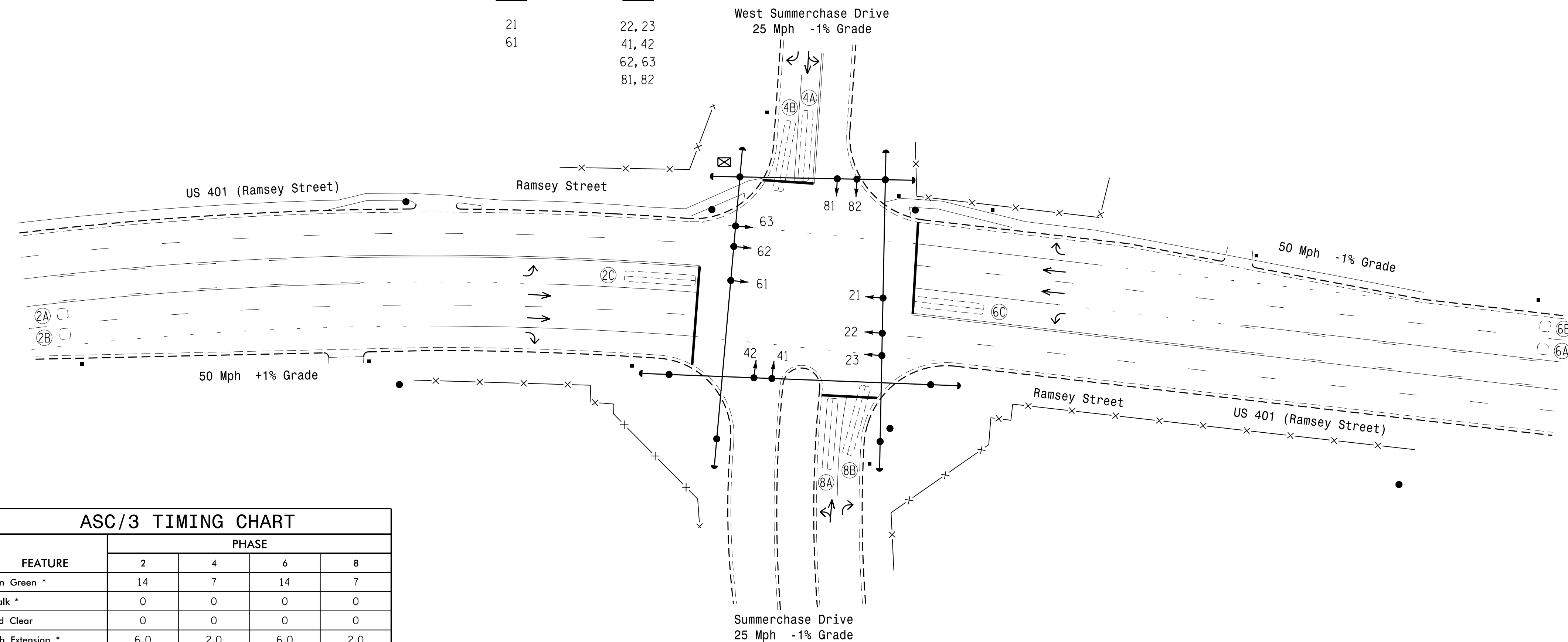


ASC/3 DETECTOR INSTALLATION CHART 332 CABINET										
DETECTOR					PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP NEW CARD
2A	6x6	355	6	-	2	Yes	-	-	N	- X
2B	6x6	355	6	-	2	Yes	-	-	N	- X
2C	6x40	0	2-4-2	-	2	Yes	-	3	G	- X
4A	6x40	0	2-4-2	-	4	Yes	-	3	S	- X
4B	6x40	+5	2-4-2	-	4	Yes	-	15	S	- X
6A	6x6	355	6	-	6	Yes	-	-	N	- X
6B	6x6	355	6	-	6	Yes	-	-	N	- X
6C	6x40	0	2-4-2	-	6	Yes	-	3	G	- X
8A	6x40	0	2-4-2	-	8	Yes	-	-	S	- X
8B	6x40	+5	2-4-2	-	8	Yes	-	15	S	- X

2 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.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



FEATURE	PHASE			
	2	4	6	8
Min Green *	14	7	14	7
Walk *	0	0	0	0
Ped Clear	0	0	0	0
Veh. Extension *	6.0	2.0	6.0	2.0
Max 1 *	90	20	90	20
Yellow	4.9	3.2	4.9	3.2
Red Clear	1.4	2.9	1.4	2.9
Actuations B4 Add *	0	-	0	-
Seconds / Actuation *	1.5	-	1.5	-
Max Initial *	39	-	39	-
Time Before Reduction *	15	-	15	-
Time To Reduce *	45	-	45	-
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

* 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	— → Sign
⊥ Pedestrian Signal Head With Push Button & Sign	⊥ Signal Pole with Guy
○ ⊥ Signal Pole with Sidewalk Guy	○ ⊥ Inductive Loop Detector
⊠ Controller & Cabinet	⊠ Junction Box
□ 2-in Underground Conduit	□ Right of Way
→ N/A	→ Directional Arrow

Signal Upgrade

US 401 (Ramsey Street)
At
Summerchase Drive

Division 6 Cumberland County Fayetteville

PLAN DATE: August 2016 REVIEWED BY: JPG

PREPARED BY: EMM/JPG REVIEWED BY:

REVISIONS: _____ INIT. DATE

SCALE: 0 40
1" = 40'

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:
Jason P. Gallaway 10/22/2016

SIG. INVENTORY NO. 06-1369

27-001-2016-08-24
 S:\IT\ASU\15_Signal\Signal Design\Section\Eastern Region\04\1-06#06-1369#061369.sig.dsn\ASC3_2016madd.dgn
 7:residence