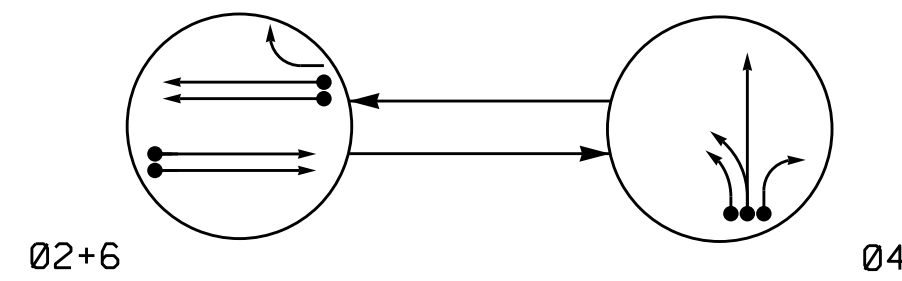


PHASING DIAGRAM



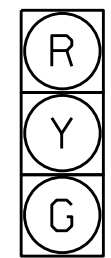
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE		
	Ø2+6	Ø4	FLIGHT
21,22	G	R	Y
41,42	R	G	R
61,62	G	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



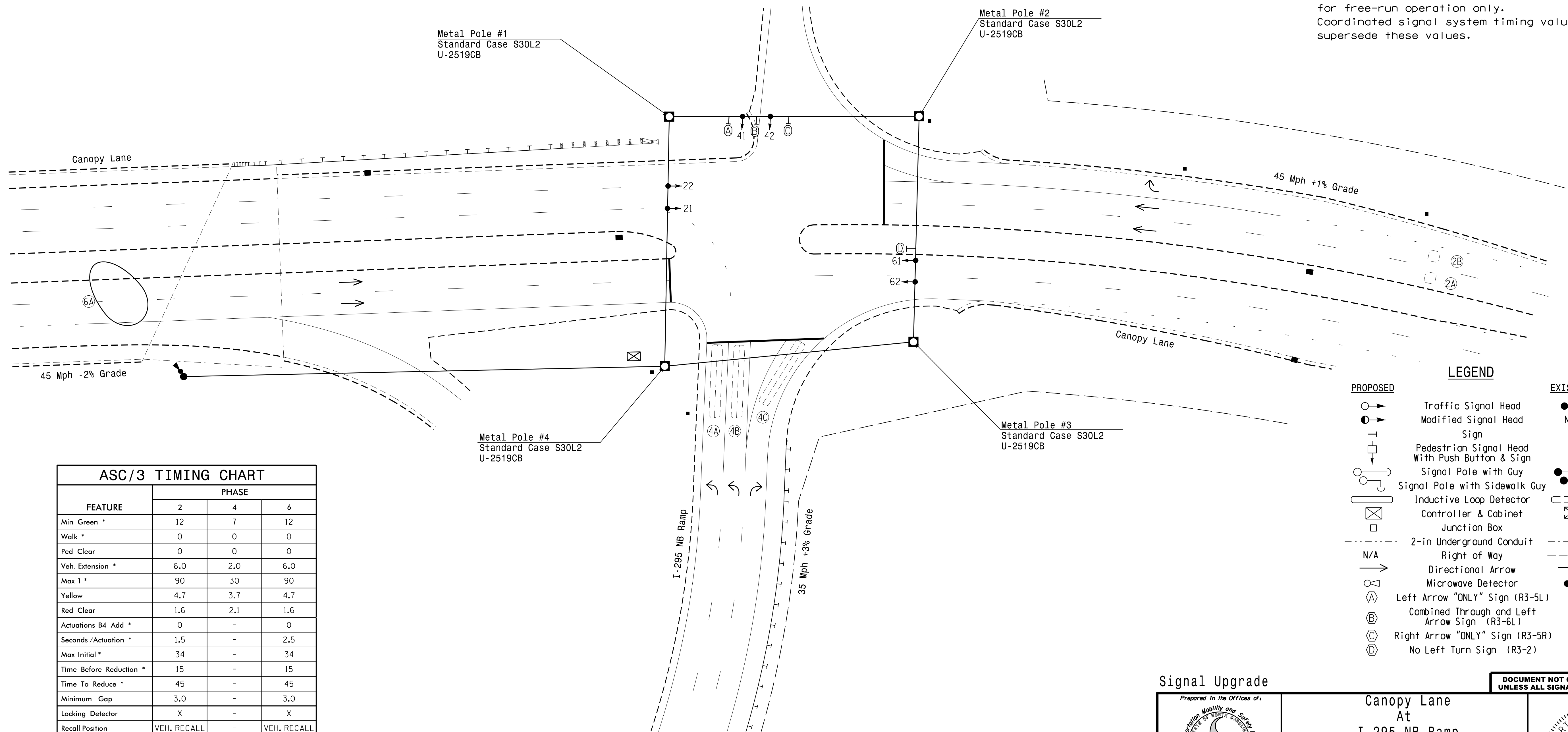
21,22  
61,62  
41,42

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

\* Microwave Detection Zone

2 Phase Fully Actuated Fayetteville Signal System

- 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
Min Green *	12	7	12
Walk *	0	0	0
Ped Clear	0	0	0
Veh. Extension *	6.0	2.0	6.0
Max 1 *	90	30	90
Yellow	4.7	3.7	4.7
Red Clear	1.6	2.1	1.6
Actuations B4 Add *	0	-	0
Seconds / Actuation *	1.5	-	2.5
Max Initial *	34	-	34
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	-	-	-
Simultaneous Gap	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.

PROPOSED		EXISTING
○	Traffic Signal Head	●
○	Modified Signal Head	N/A
⊥	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	⊥
N/A	Right of Way	⊥
→	Directional Arrow	→
⊥	Microwave Detector	⊥
⊥	Left Arrow "ONLY" Sign (R3-5L)	⊥
⊥	Combined Through and Left Arrow Sign (R3-6L)	⊥
⊥	Right Arrow "ONLY" Sign (R3-5R)	⊥
⊥	No Left Turn Sign (R3-2)	⊥

Signal Upgrade

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

**Canopy Lane At I-295 NB Ramp**

Division 6 Cumberland County Fayetteville

PLAN DATE: July 2016 REVIEWED BY: JPG

PREPARED BY: Jeff Spence REVIEWED BY:

SEAL

DATE: 10/11/2016

SIG. INVENTORY NO. 06-1333

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