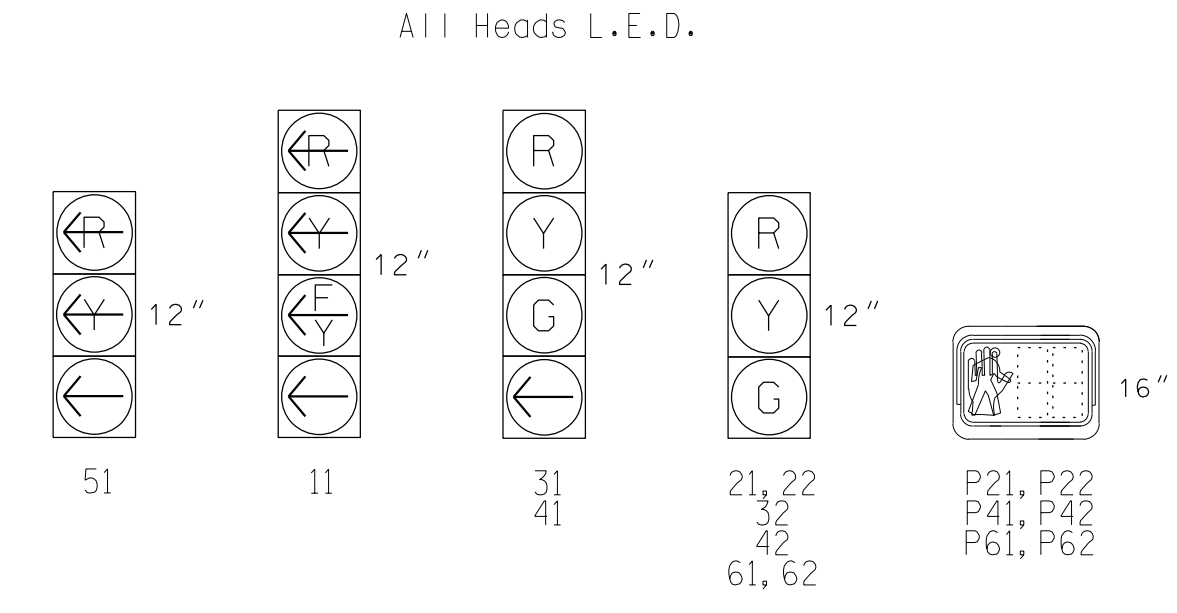


SIGNAL FACE	PHASE					FLASH
	02+5	02+6	01+6	03	04	
11	R	L	R	R	Y	
21, 22	G	G	R	R	Y	
31	R	R	R	G	R	
32	R	R	R	G	R	
41	R	R	R	G	R	
42	R	R	R	G	R	
51	←	←	←	←	←	
61, 62	R	G	G	R	Y	
P21, P22	W	W	DW	DW	DRK	
P41, P42	DW	DW	DW	DW	DRK	
P61, P62	DW	W	W	DW	DRK	

SIGNAL FACE I.D.
All Heads L.E.D.

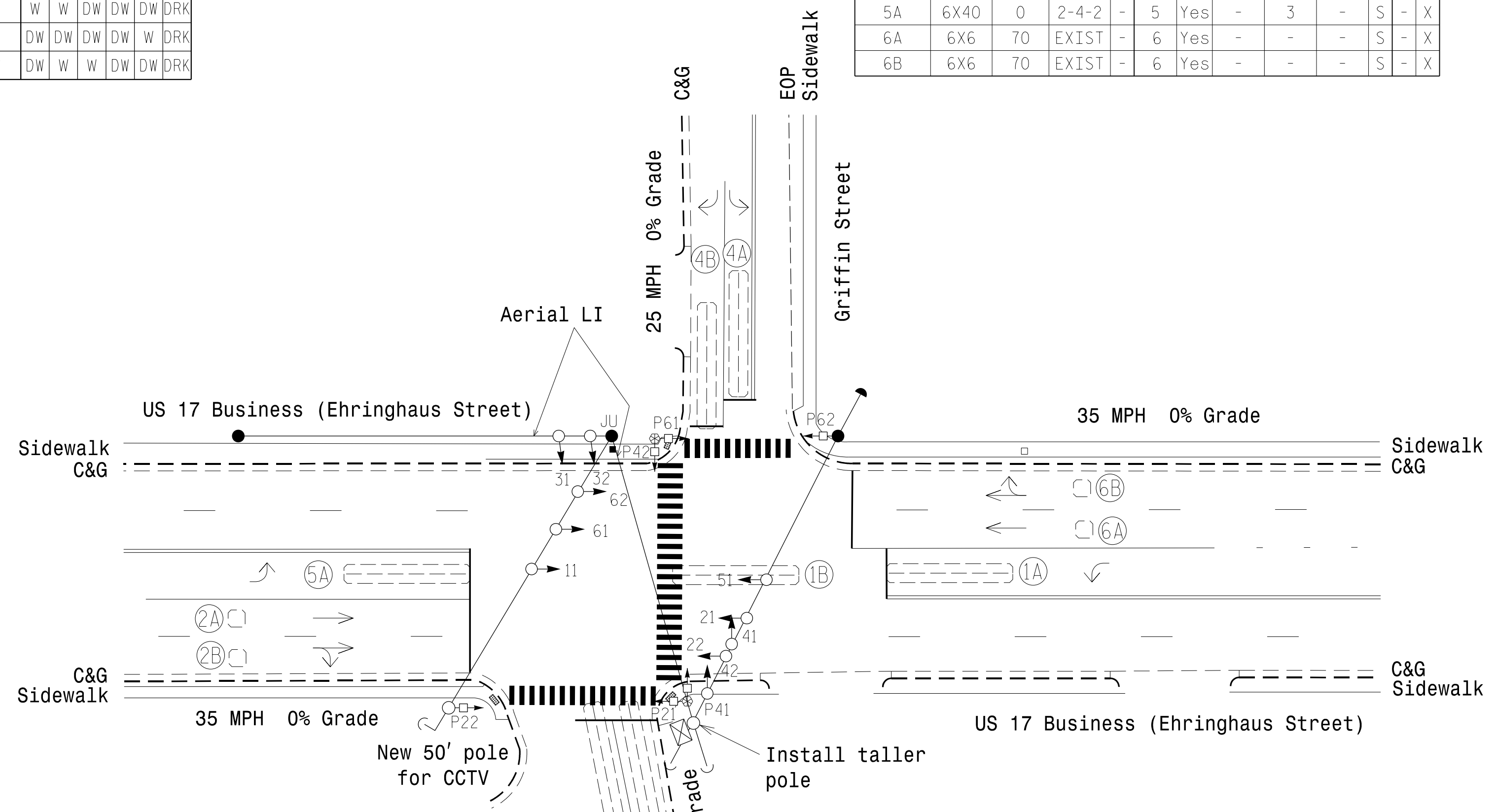


ASC/3 DETECTOR INSTALLATION CHART											
DETECTOR				PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	-	1	Yes	-	15	-	S	X
1B	6X40	+67	2-4-2	-	6	Yes	-	-	-	S	X
2A	6X6	70	EXIST	-	2	Yes	-	-	-	S	X
2B	6X6	70	EXIST	-	2	Yes	-	-	-	S	X
3A	6X40	+5	2-4-2	-	3/10	Yes	-	3	-	S	X
3B	6X40	+5	2-4-2	-	3/10	Yes	-	10	-	S	X
4A	6X40	0	2-4-2	-	4	Yes	-	3	-	S	X
4B	6X40	+3	2-4-2	-	4	Yes	-	10	-	S	X
5A	6X40	0	2-4-2	-	5	Yes	-	3	-	S	X
6A	6X6	70	EXIST	-	6	Yes	-	-	-	S	X
6B	6X6	70	EXIST	-	6	Yes	-	-	-	S	X

5 Phase Fully Actuated (Elizabeth City Signal System)

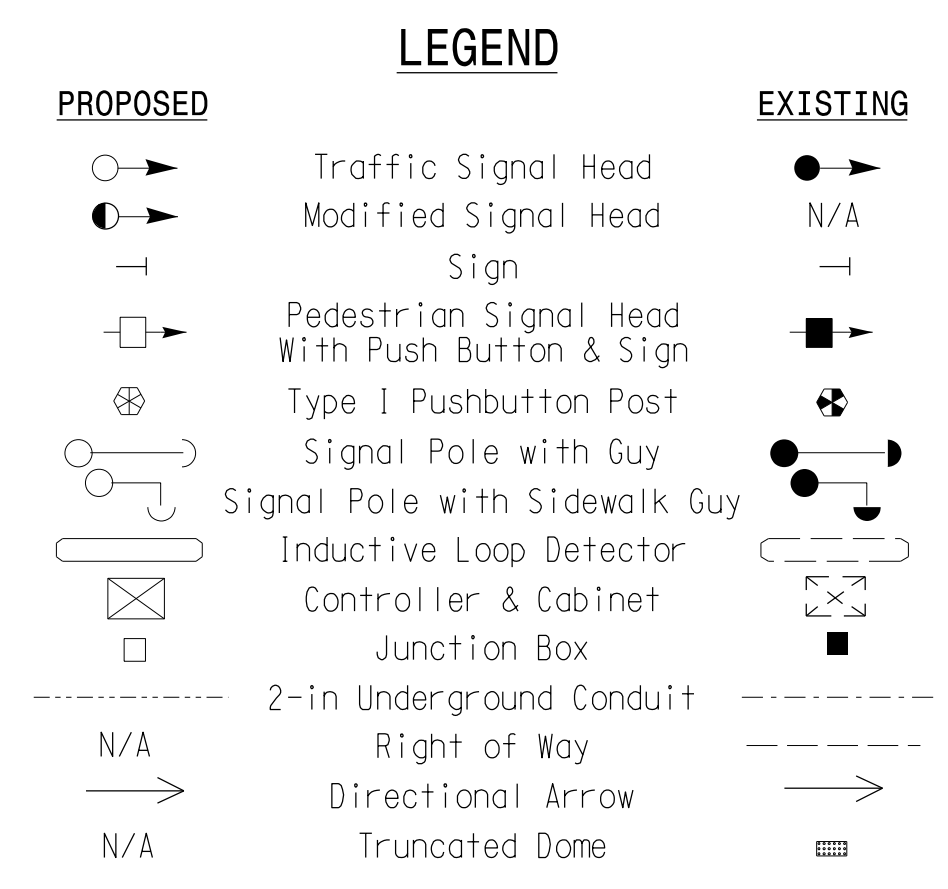
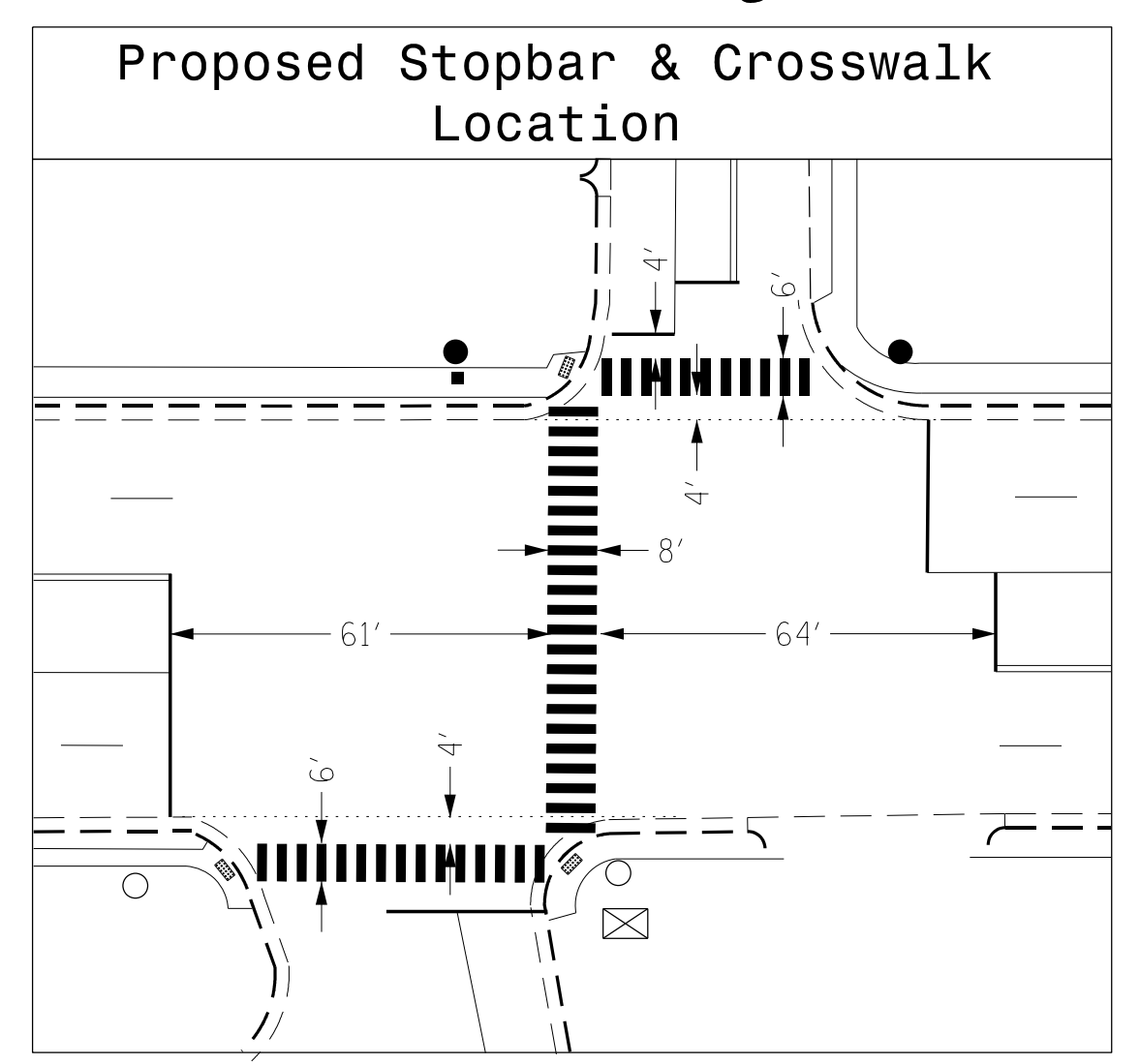
NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Enable Backup Prevent to allow the controller to clear from phase 2+6 to phase 2+5 by progressing through an all red display.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.
- Pavement markings are existing except where noted on plan.
- Repaint stopbars for approaches 2 and 6. Repaint double yellow line and lane line for phase 4 approach as shown on plan.
- Install new poles directly adjacent to existing poles and raise signal spans to obtain 17' minimum clearance.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

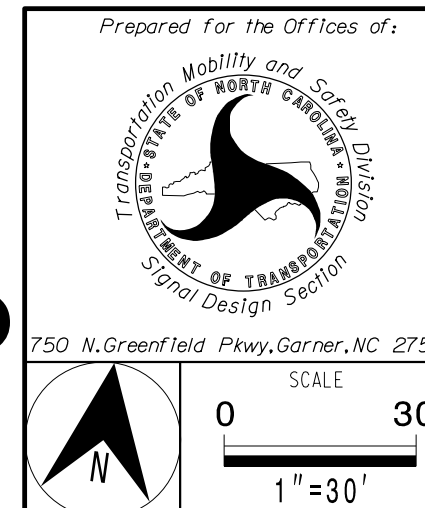


ASC/3 TIMING CHART								
FEATURE	PHASE							OLG
	1	2	3	4	5	6	**10	
Min Green *	7	10	7	7	7	10	7	0.1
Delayed Green *	-	-	-	7	-	-	-	
Walk *	-	7	-	7	-	7	-	
Ped Clear	-	11	-	18	-	8	-	
Veh. Extension *	2.0	3.0	2.0	2.0	2.0	3.0	2.0	
Max 1 *	15	60	25	20	15	60	25	
Yellow	3.0	3.8	3.0	3.0	3.0	3.8	3.0	3.0
Red Clear	3.4	2.6	2.4	2.3	3.3	2.6	2.4	2.4
Red Revert	2.0	2.0	2.0	2.0	2.0	5.0	2.0	
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	-	-	-	-	-	-	-	
Simultaneous Gap	X	X	X	X	X	X	X	

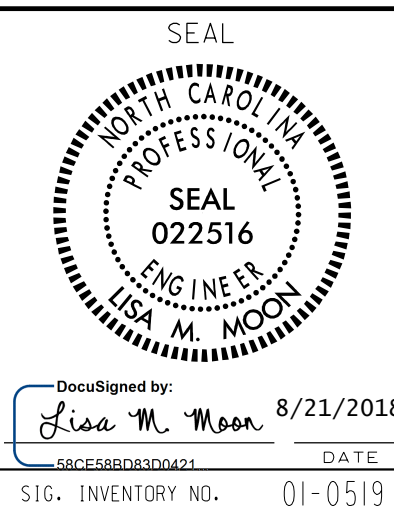
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.
** Phase used for timing purposes only.



Signal Upgrade



US 17 Bus. (Ehringhaus Street) at Griffin Street/ Post Office Entrance	
Division 1 Pasquotank County Elizabeth City	
PLAN DATE: March 2018	REVIEWED BY: AJ Davis
PREPARED BY: JA Le	REVIEWED BY: LM Moon
REVISIONS	INIT. DATE



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

21-AUG-2018 11:40 R:\05942\51001\DWG\Signal\022516-0519.dwg DWG118 AT CAR-DWH1E-LTW