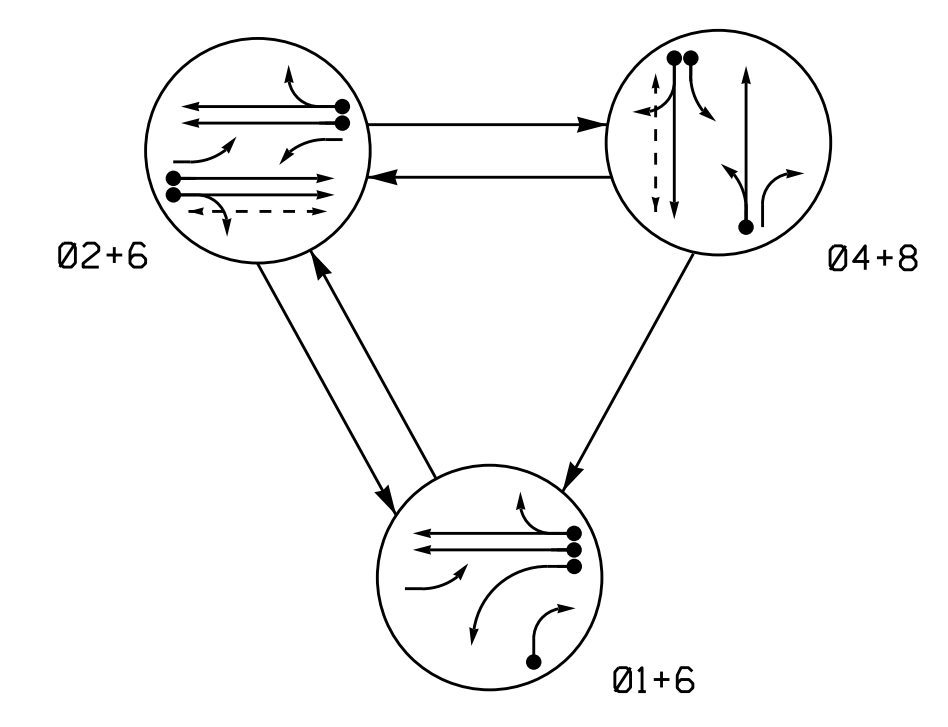


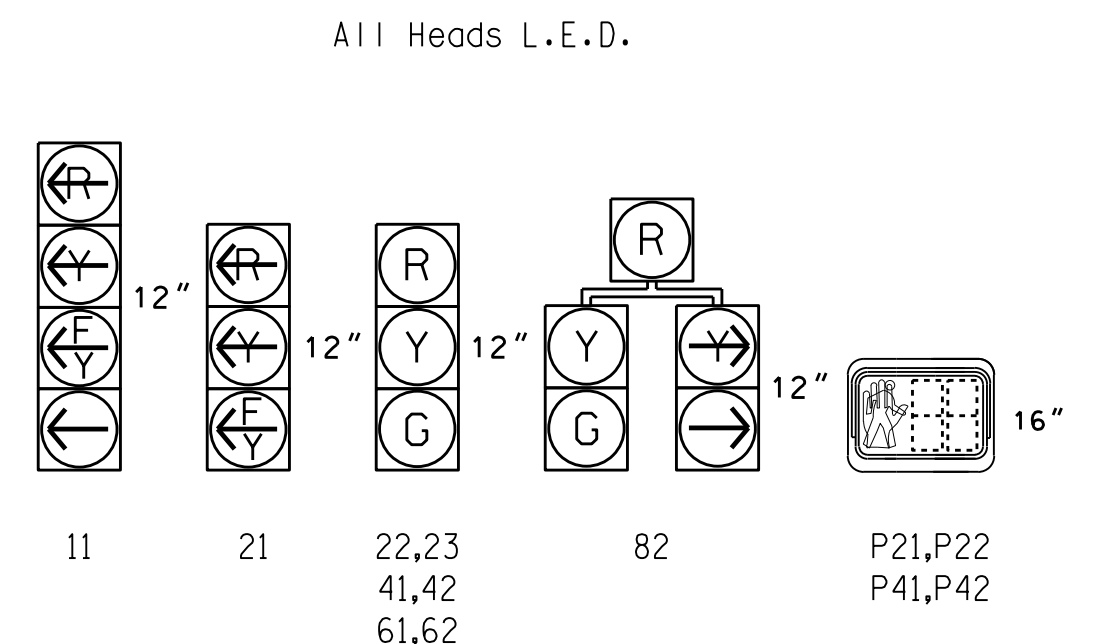
3 Phase Fully Actuated Asheville Signal System

PHASING DIAGRAM



SIGNAL FACE	PHASE				
	01+6	02+6	04+8	FLASH	
11	←	←	←	←	←
21	←	←	←	←	←
22,23	R	G	R	Y	
41,42	R	R	G	R	
61,62	G	G	R	Y	
81	R	R	G	R	
82	R	R	G	R	
P21,P22	DW	W	DW	DRK	
P41,P42	DW	DW	W	DRK	

SIGNAL FACE I.D.

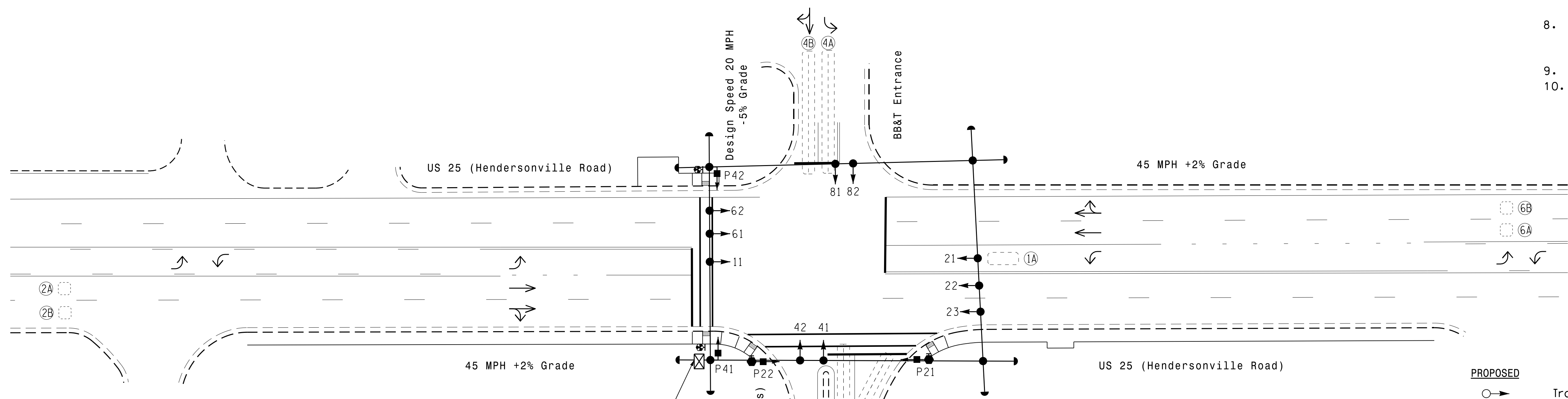
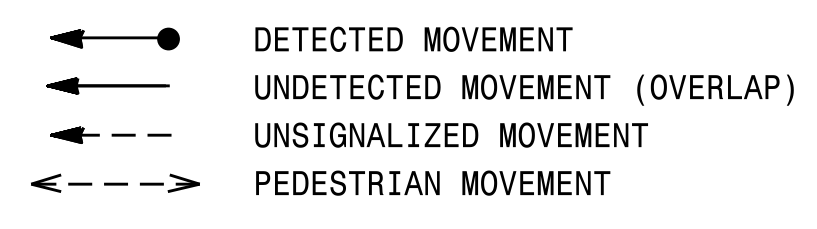


OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6x15	50	EXIST	-	1	Y	Y	-	-	5	-	Y
1B	6x30	0	2-4-2	-	1	Y	Y	-	-	15	-	Y
2A	6x6	305	EXIST	-	2	Y	Y	-	-	-	-	Y
2B	6x6	305	EXIST	-	2	Y	Y	-	-	-	-	Y
4A	6x60	0	2-4-2	-	4	Y	Y	-	-	3	-	Y
4B	6x60	0	2-4-2	-	4	Y	Y	-	-	10	-	Y
6A	6x6	300	EXIST	-	6	Y	Y	-	-	-	-	Y
6B	6x6	300	EXIST	-	6	Y	Y	-	-	-	-	Y
8A	6x30	+5	2-4-2	-	8	Y	Y	-	-	-	-	Y

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 1 may be lagged.
4. Set all detector units to presence mode.
5. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
9. Pavement markings are existing.
10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

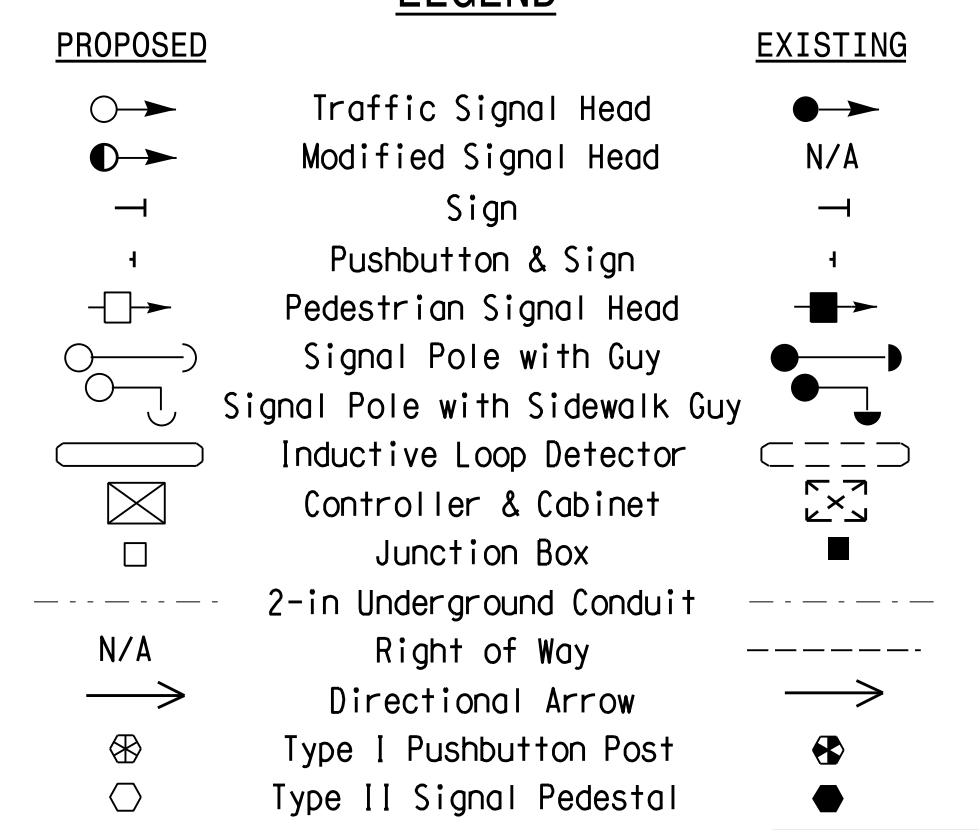
PHASING DIAGRAM DETECTION LEGEND



FEATURE	PHASE				
	1	2	4	6	8
Min Green 1 *	7	12	7	12	7
Extension 1 *	2.0	6.0	1.0	6.0	2.0
Max Green 1 *	15	90	25	90	25
Yellow Clearance	3.0	4.3	3.5	4.3	3.5
Red Clearance	1.9	1.6	2.9	1.6	2.9
Red Revert	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	7	7	-	-
Don't Walk 1	-	22	19	-	-
Seconds Per Actuation *	-	1.5	-	1.5	-
Max Variable Initial *	-	35	-	34	-
Time Before Reduction *	-	15	-	15	-
Time To Reduce *	-	30	-	30	-
Minimum Gap	-	3.0	-	3.0	-
Recall Mode	-	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	-	YELLOW	-	YELLOW	-
Dual Entry	-	-	ON	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON

* 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



Install new base-mounted cabinet on existing foundation.

Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

US 25 (Hendersonville Road) at Peachtree Road (Carolina Cinemas) / BB&T Entrance

Division 13 Buncombe County Asheville

PLAN DATE: April 2016 REVIEWED BY: T. Williams

PREPARED BY: M. Mahbooba REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

8/9/2016

SIG. INVENTORY NO. 13-0984

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