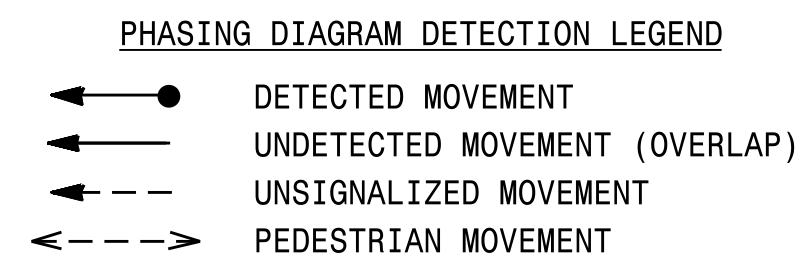
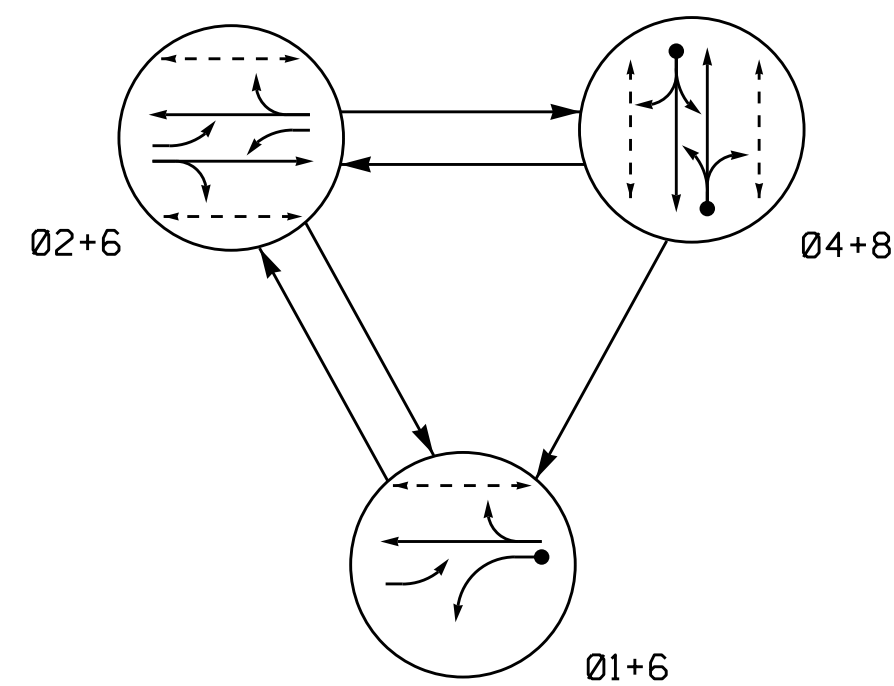


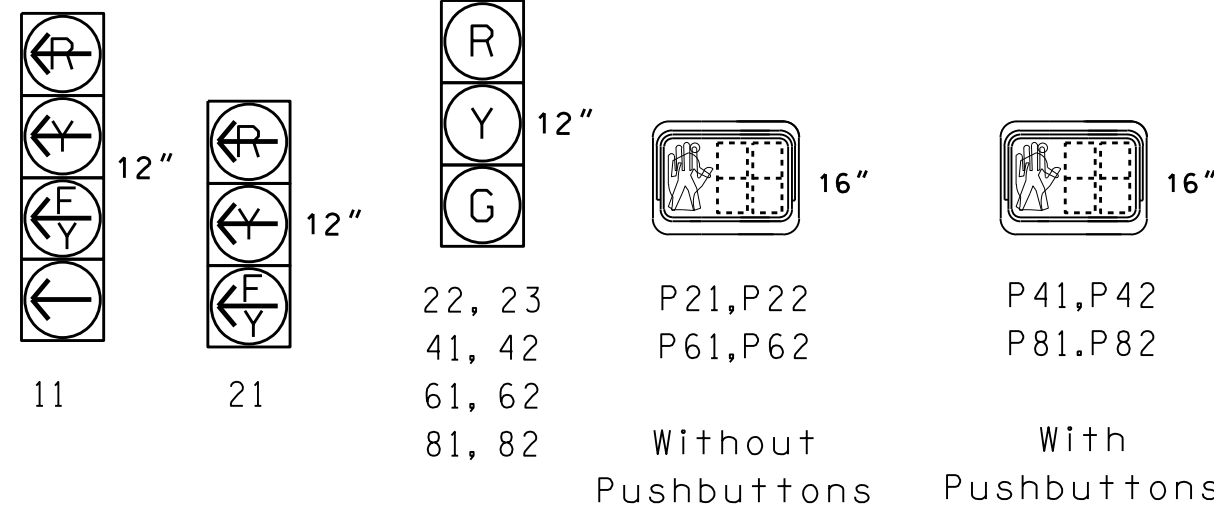
PHASING DIAGRAM



SIGNAL FACE	PHASE			
	Ø 1+6	Ø 2+6	Ø 4+8	FLASH
11	Y	Y	Y	Y
21	Y	Y	Y	Y
22,23	R	G	R	Y
41,42	R	R	G	R
61,62	G	G	R	Y
81,82	R	R	G	R
P21,P22	DW	W	DW	DRK
P41,P42	DW	DW	W	DRK
P61,P62	W	W	DW	DRK
P81,P82	DW	DW	W	DRK

SIGNAL FACE I.D.

All Heads L.E.D.



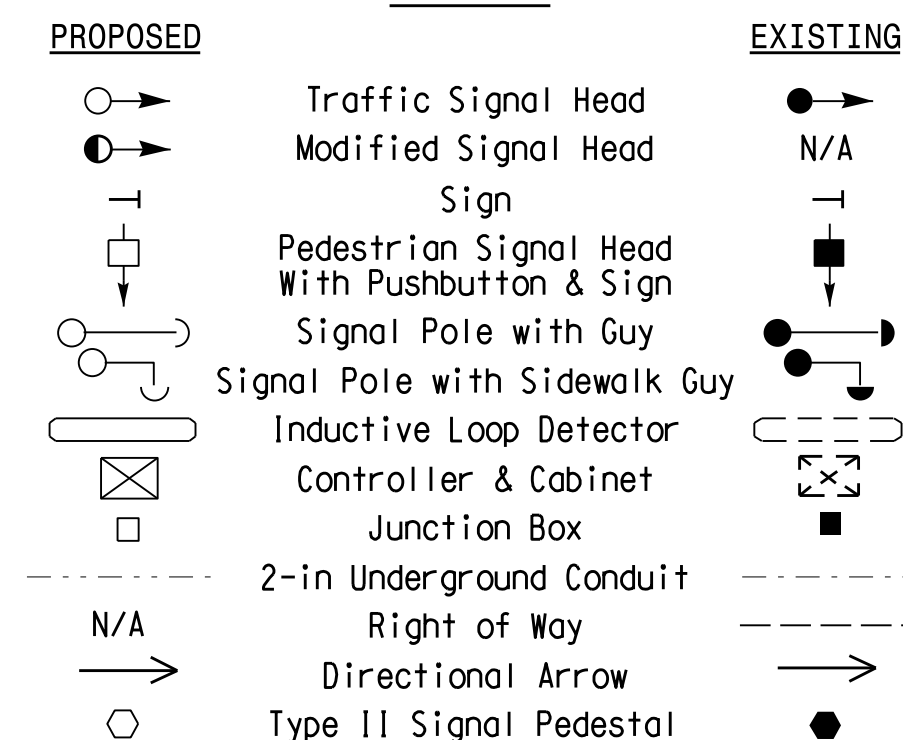
INDUCTIVE LOOPS				DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME		
1A	6X40	0	2-4-2	1	Y	Y	-	-	15	Y
4A	6X20	0	2-4-2	4	Y	Y	-	-	10	Y
8A	6X40	0	2-4-2	8	Y	Y	-	-	10	Y
S1	6X6	+110	EXIST	-	-	-	-	-	-	Y

3 Phase Semi-Actuated Asheville 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 1 may be lagged.
- Reposition existing signal heads numbered 22 & 62.
- 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.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND



FEATURE	PHASE				
	1	2	4	6	8
Min Green 1 *	7	15	7	15	7
Extension 1 *	1.0	0	2.0	0	2.0
Max Green 1 *	15	30	30	30	30
Yellow Clearance	3.0	3.0	3.4	3.0	3.4
Red Clearance	1.6	1.9	2.1	1.9	2.1
Red Revert	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	12	7	12	7
Don't Walk 1	-	9	10	9	10
Seconds Per Actuation *	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Recall Mode	-	MAX/PED RECALL	-	MAX/PED RECALL	-
Vehicle Call Memory	-	-	-	-	-
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.

Install new base-mounted cabinet on existing foundation.

Signal Upgrade

	US 19-23 Business (Haywood Road) at NC 191 (Brevard Road) / Dunwell Avenue		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	Division 13 Buncombe County Asheville			
	PLAN DATE: JUNE 2016 PREPARED BY: C. Pierce REVIEWED BY: T. J. Williams			
	REVISIONS INIT. DATE			

17-MAR-2016 09:39  
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