

PHASING DIAGRAM

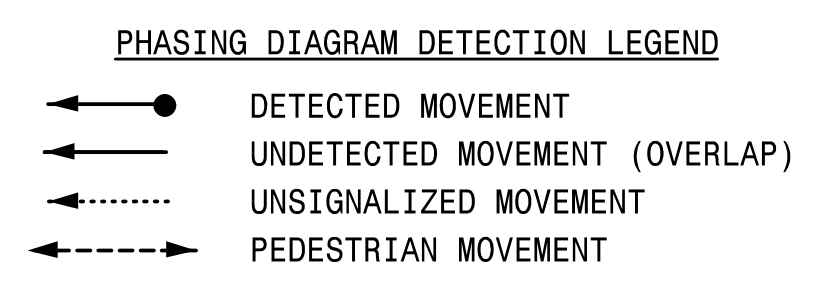
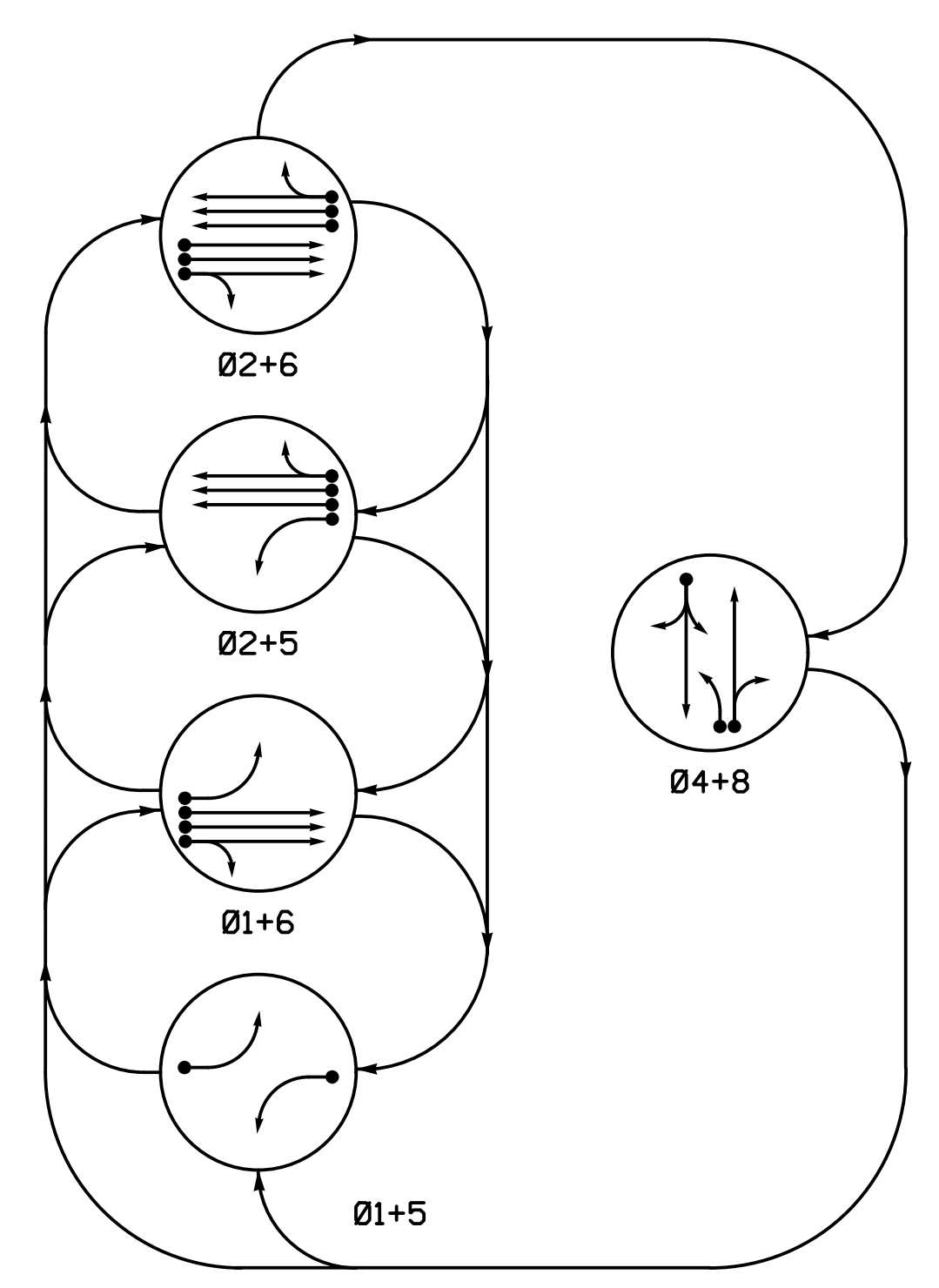
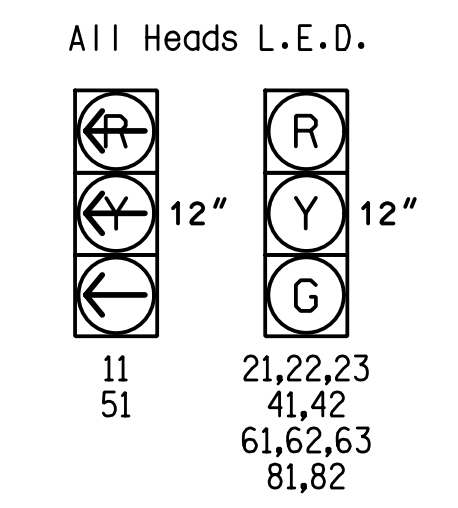


TABLE OF OPERATION

SIGNAL FACE	PHASE							
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	Ø4+8	Ø1+5	Ø1+6	Ø2+6
11	---	---	---	---	---	---	---	---
21,22,23	R	R	G	G	R	Y		
41,42	R	R	R	R	G	R		
51	---	---	---	---	---	---	---	---
61,62,63	R	G	R	G	R	Y		
81,82	R	R	R	R	G	R		

SIGNAL FACE I.D.



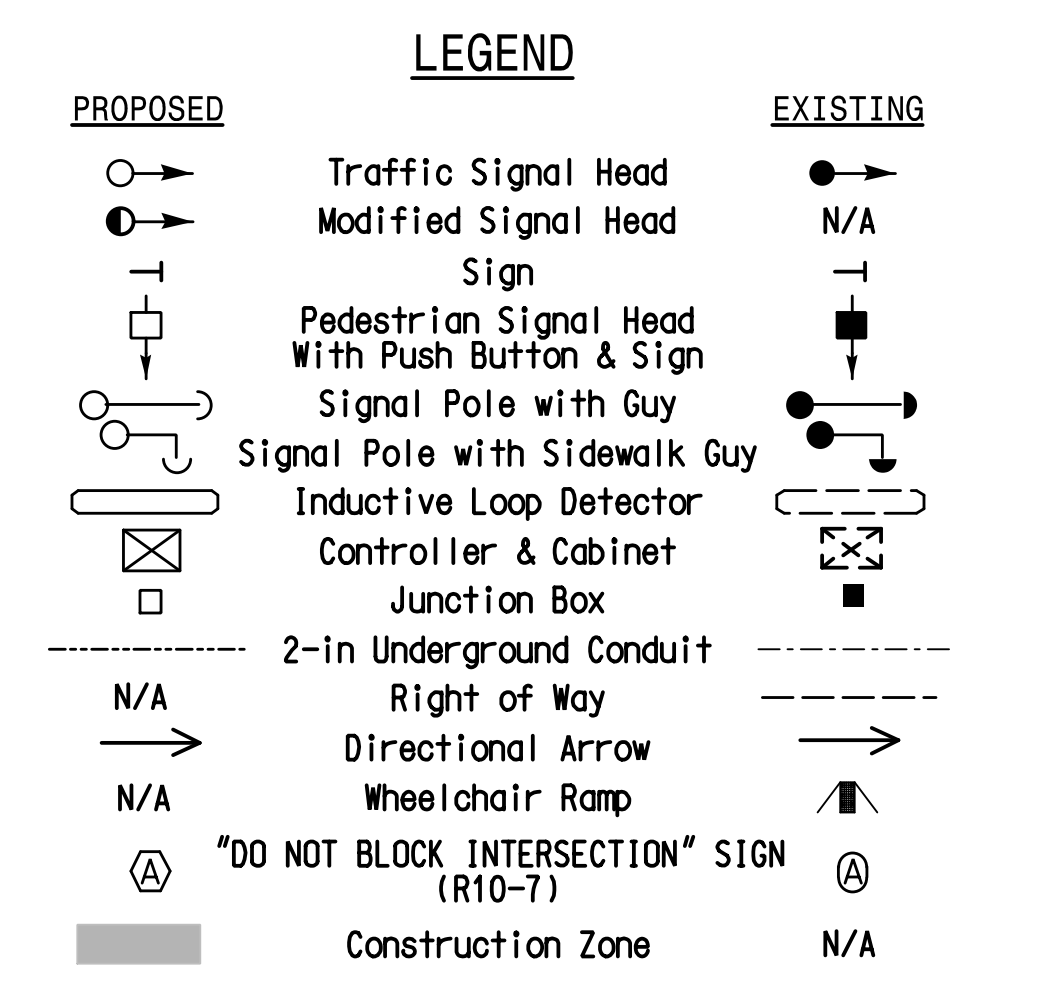
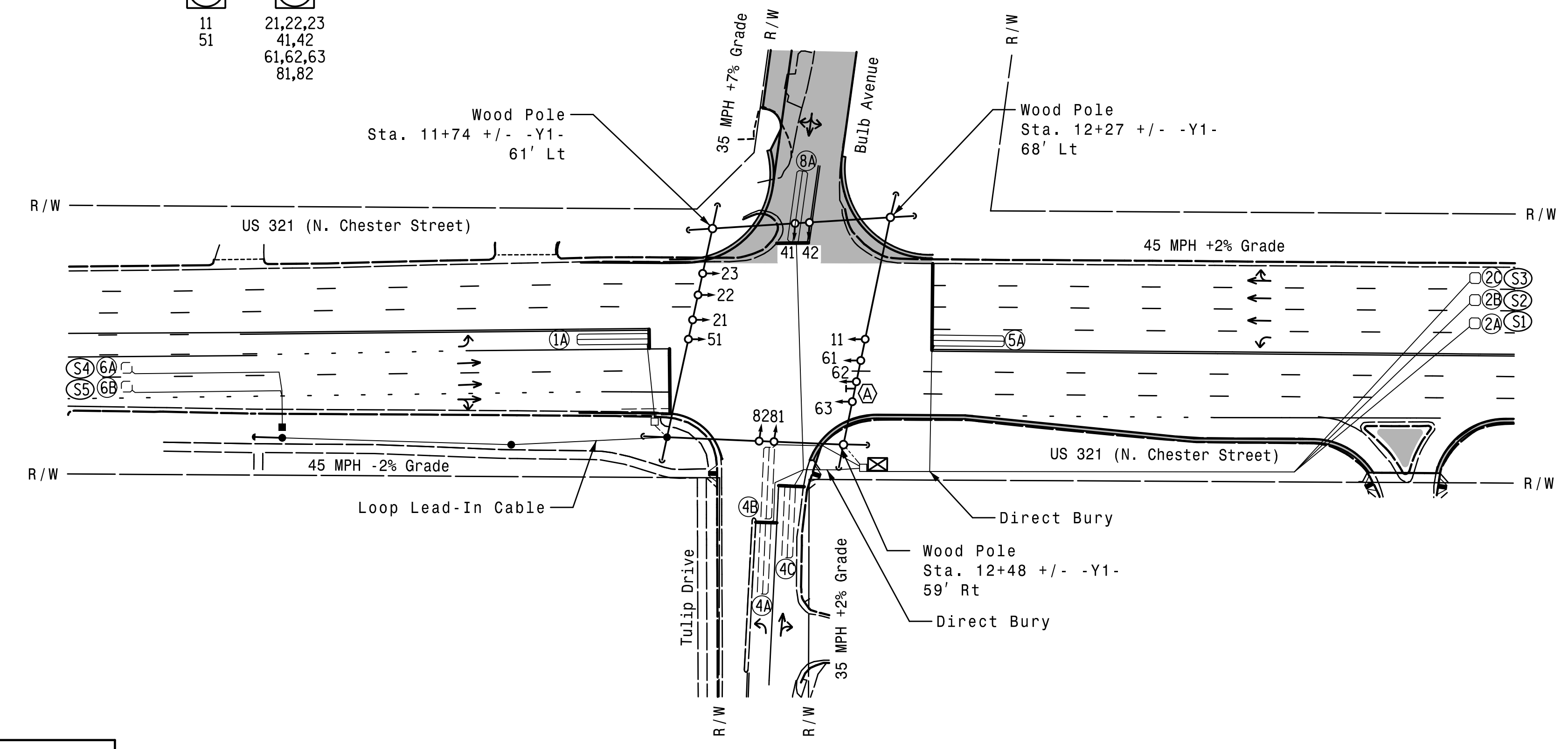
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

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	6X40	0	2-4-2	Y	1	Y	Y	-	-	3	-	Y
2A/S1	6X6	300	5	Y	2	Y	Y	-	-	-	-	Y
2B/S2	6X6	300	5	Y	2	Y	Y	-	-	-	-	Y
2C/S3	6X6	300	5	Y	2	Y	Y	-	-	-	-	Y
4A	6X40	EXIST	2-4-2	-	4	Y	Y	-	-	-	-	Y
4B	6X40	EXIST	2-4-2	-	4	Y	Y	-	-	10	-	Y
4C	6X40	EXIST	2-4-2	-	4	Y	Y	-	-	10	-	Y
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	3	-	Y
6A/S4	6X6	300	5	-	6	Y	Y	-	-	-	-	Y
6B/S5	6X6	300	5	-	6	Y	Y	-	-	-	-	Y
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	10	-	Y

5 Phase Fully Actuated (Gastonia City 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 instructed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- 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.
- Signal System data: Controller Asset #0922.



OASIS 2070 TIMING CHART

FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1 *	7	12	7	7	12	7
Extension 1 *	2.0	6.0	2.0	2.0	6.0	2.0
Max Green 1 *	20	90	25	20	90	25
Yellow Clearance	3.0	4.3	3.7	3.0	4.7	3.5
Red Clearance	3.3	1.6	2.7	3.4	1.3	2.0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation *	-	1.5	-	-	1.5	-
Max Variable Initial *	-	34	-	-	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	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.

Temporary Signal Phase 1, Step 1

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	US 321 (N. Chester Street) at Bulb Avenue / Tulip Drive		
	Division 12 Gaston Co. Gastonia	PLAN DATE: September 2016 REVIEWED BY: T.R. Terrell	
PREPARED BY: J.A. Wagner	REVIEWED BY: N.R. Simmons	11/8/2016	
REVISIONS		INIT.	DATE
SCALE 1"=50'		SIGNED: <i>Natasha R. Simmons</i> DATE: 11/8/2016	
HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554 (919) 546-8997		SIG. INVENTORY NO. 12-0922T1	