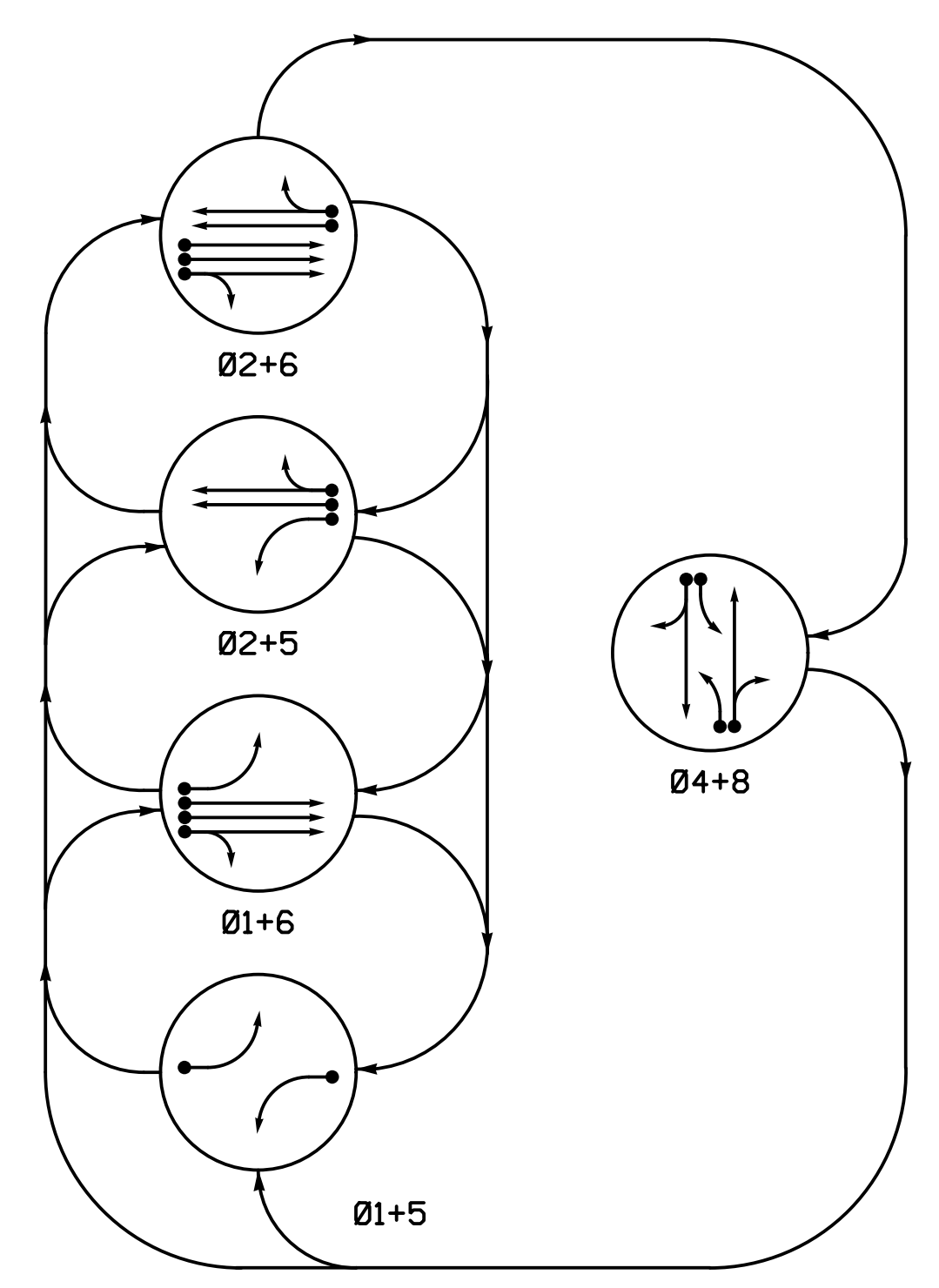


PHASING DIAGRAM

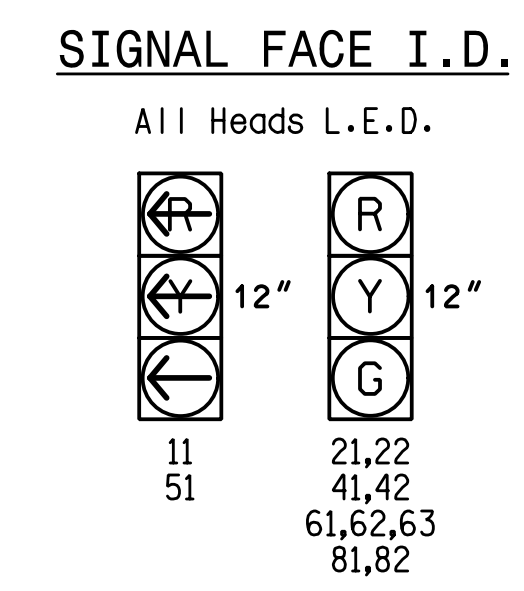


PHASING DIAGRAM DETECTION LEGEND

- ← ● DETECTED MOVEMENT
- ← ○ UNDETECTED MOVEMENT (OVERLAP)
- ← UNSIGNALIZED MOVEMENT
- ← - - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE							
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 4+8	Ø 1+5	Ø 1+6	Ø 2+5
11	-	-	R	R	R	-	-	-
21,22	R	R	G	G	R	Y	-	-
41,42	R	R	R	R	G	R	-	-
51	-	R	-	-	R	R	-	-
61,62,63	R	G	R	G	R	Y	-	-
81,82	R	R	R	R	G	R	-	-



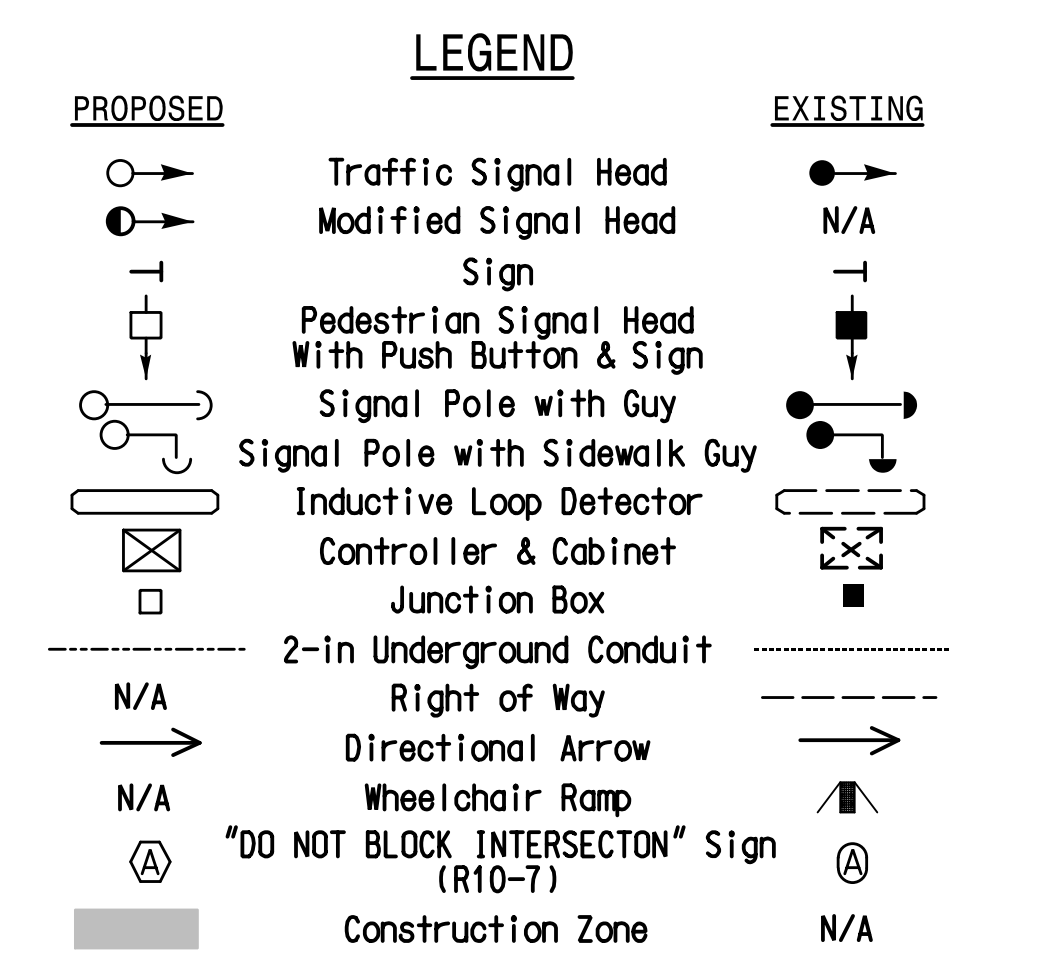
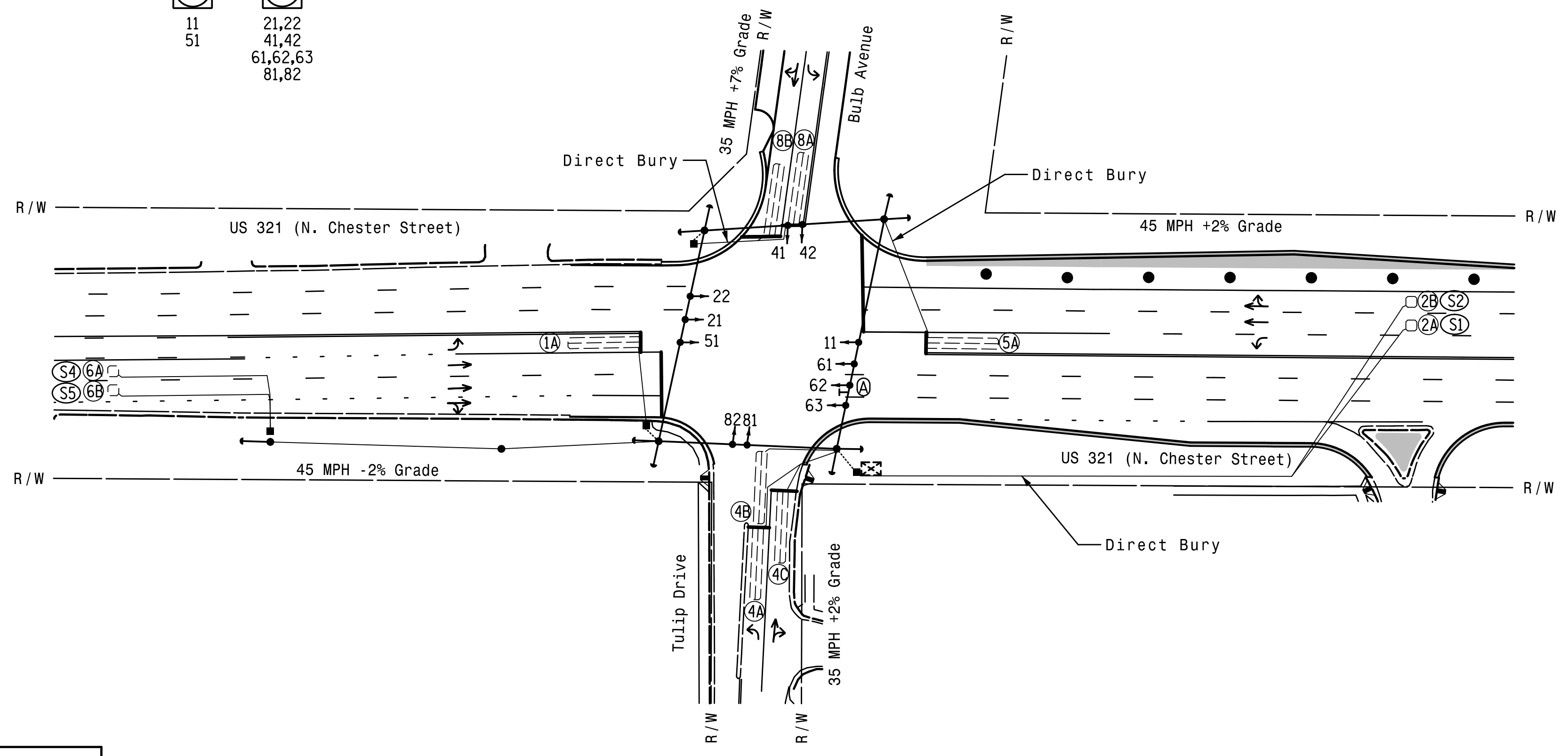
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	-	1	Y	Y	-	-	3	-	-
2A/S1	6X6	300	4	Y	2	Y	Y	-	-	-	Y	-
2B/S2	6X6	300	4	Y	2	Y	Y	-	-	-	Y	-
4A	6X40	EXIST	2-4-2	-	4	Y	Y	-	-	-	-	-
4B	6X40	EXIST	2-4-2	-	4	Y	Y	-	-	10	-	-
4C	6X40	EXIST	2-4-2	-	4	Y	Y	-	-	10	-	-
5A	6X40	0	2-4-2	-	5	Y	Y	-	-	3	-	-
6A/S4	6X6	300	5	-	6	Y	Y	-	-	-	Y	-
6B/S5	6X6	300	5	-	6	Y	Y	-	-	-	Y	-
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	3	-	-
8B	6X40	0	2-4-2	-	8	Y	Y	-	-	10	-	-

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.
- Reposition existing signal heads 21 and 22.
- Set all detector units to presence mode.
- 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	1.1	2.7	3.4	1.3	2.1
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 5

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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Raleigh, North Carolina 27609
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(919) 546-8997

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

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 1"=50'

REVISIONS: INITI. DATE

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031464 W. TASHA R. SIMMONS

DocuSigned by: Natasha R. Simmons 11/8/2016

SIGNATURE DATE

SIG. INVENTORY NO. 12-0922T3