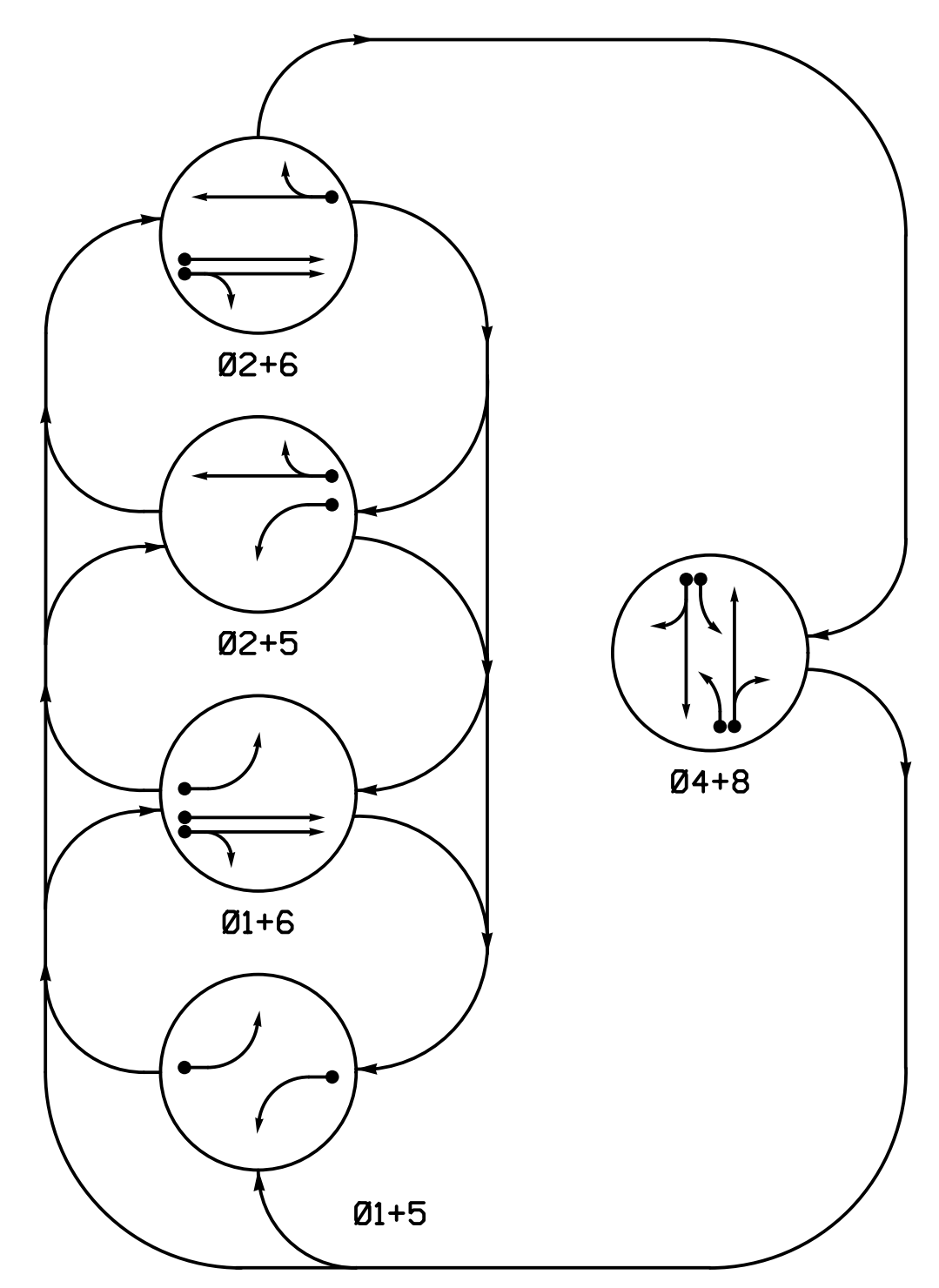


PHASING DIAGRAM

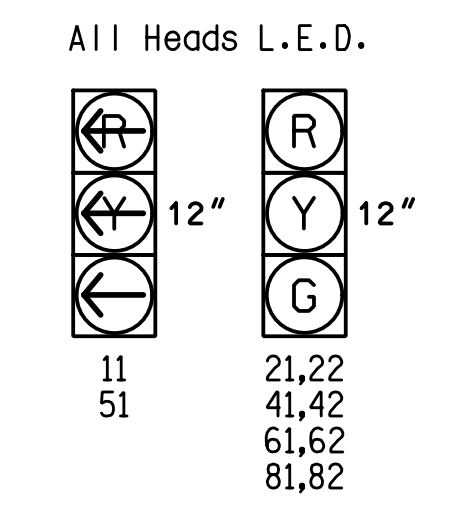


**PHASING DIAGRAM DETECTION LEGEND**

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

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

SIGNAL FACE I.D.

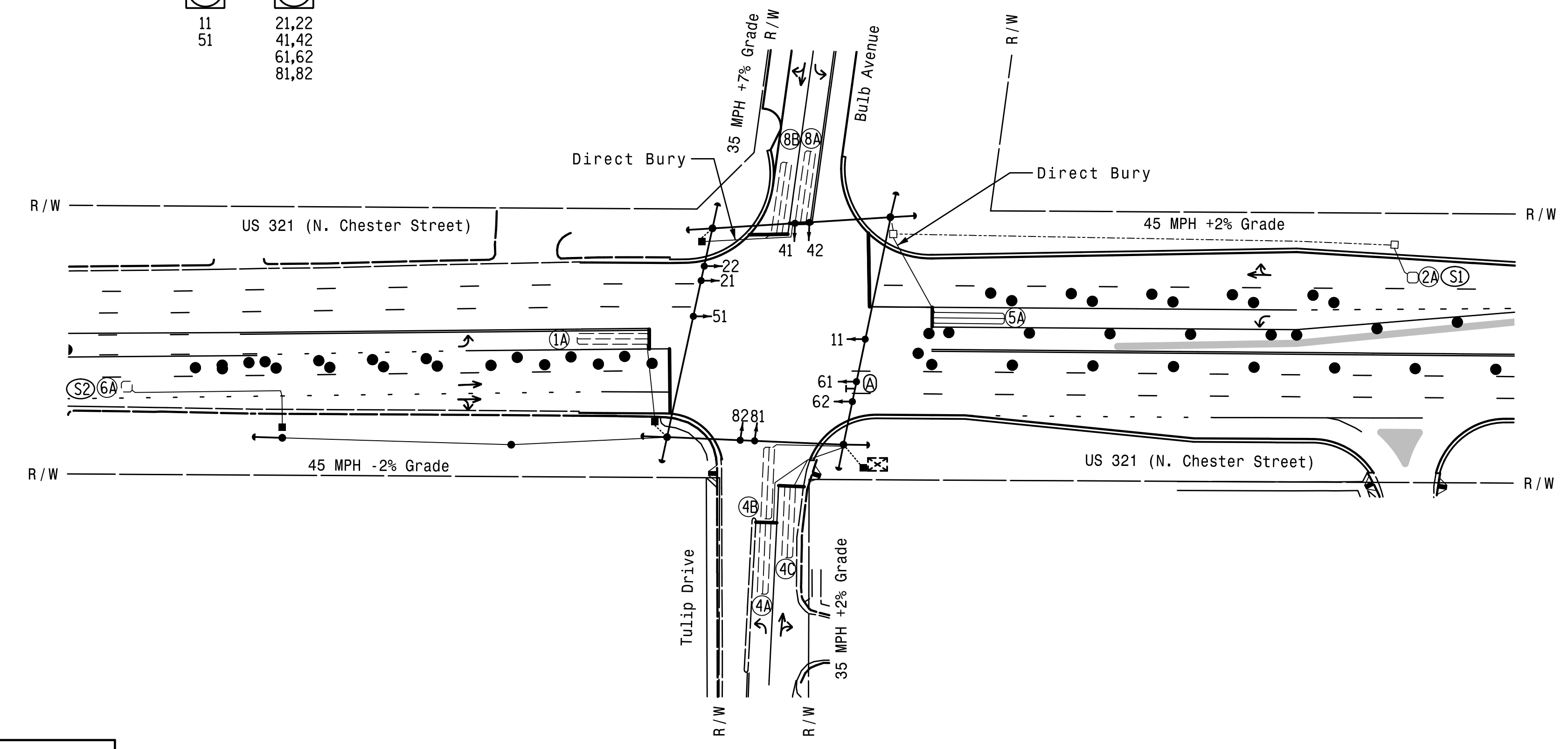


OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	-	1	Y	Y	-	-	3	-	-
2A/S1	6X6	300	5	Y	2	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	Y	5	Y	Y	-	-	-	-	-
6A/S2	6X6	300	5	-	6	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, 22, 51, 61 and 62.
- 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	1.0	2.7	3.5	1.3	2.4
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.

PROPOSED		EXISTING	
○→	Traffic Signal Head	●→	N/A
●→	Modified Signal Head	+	N/A
⊥	Sign	⊥	N/A
⊥	Pedestrian Signal Head	⊥	N/A
⊥	With Push Button & Sign	⊥	N/A
○→	Signal Pole with Guy	●→	N/A
○→	Signal Pole with Sidewalk Guy	●→	N/A
⊥	Inductive Loop Detector	⊥	N/A
⊥	Controller & Cabinet	⊥	N/A
⊥	Junction Box	⊥	N/A
⊥	2-in Underground Conduit	⊥	N/A
N/A	Right of Way	---	N/A
N/A	Directional Arrow	→	N/A
N/A	Wheelchair Ramp	↗	N/A
⊥	"DO NOT BLOCK INTERSECTION" Sign (R10-7)	⊥	N/A
■	Construction Zone	■	N/A
●	Construction Zone Drums	●	N/A

Temporary Signal Phase 1, Steps 6 & 7

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	
SCALE 1"=50'	REVISIONS	INIT. DATE	Dated: 11/8/2016 Signature: <i>Natasha R. Simmons</i> Date: _____ Sig. Inventory No. 12-0922T4

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