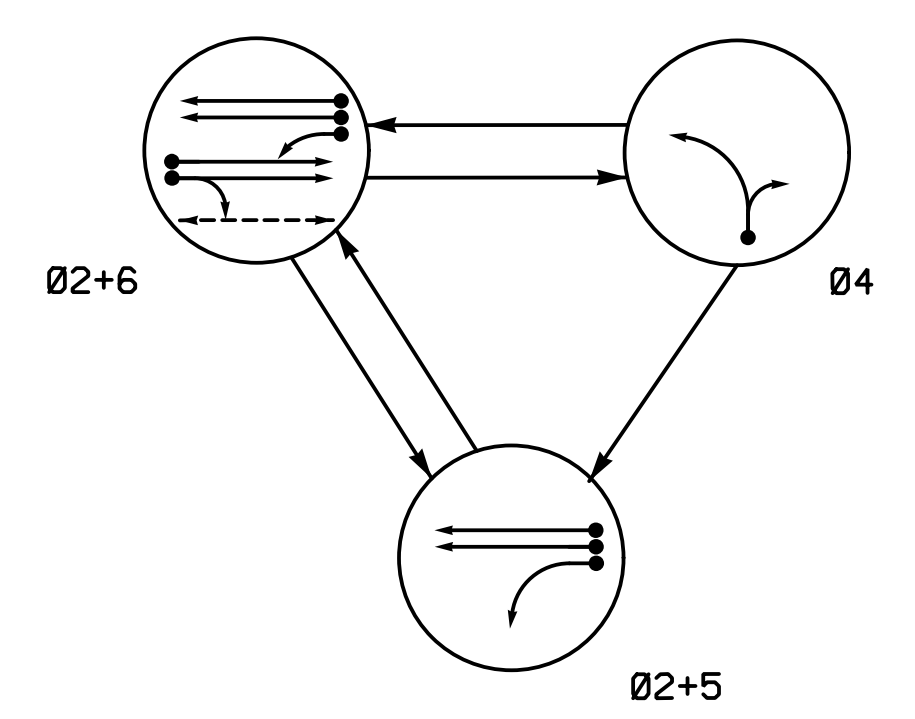


PHASING DIAGRAM



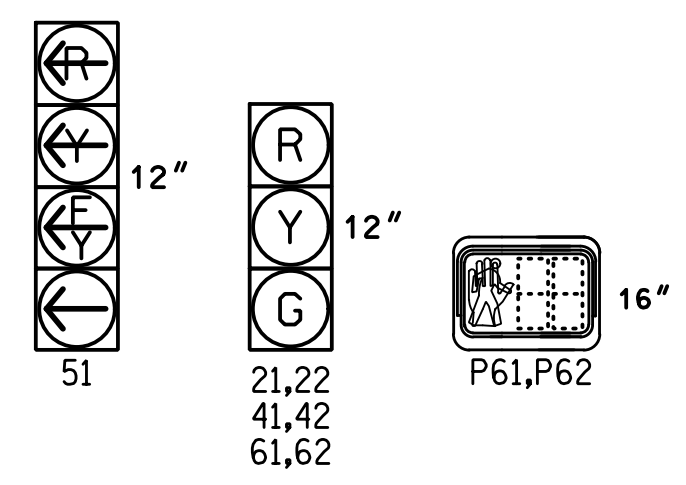
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE			
	Ø 2+5	Ø 2+6	Ø 4	FL HEADS
21,22	G	G	R	Y
41,42	R	R	G	R
51	-	F	-R	-Y
61,62	R	G	R	Y
P61,P62	DW	W	DW	DRK

SIGNAL FACE I.D.

All Heads L.E.D.

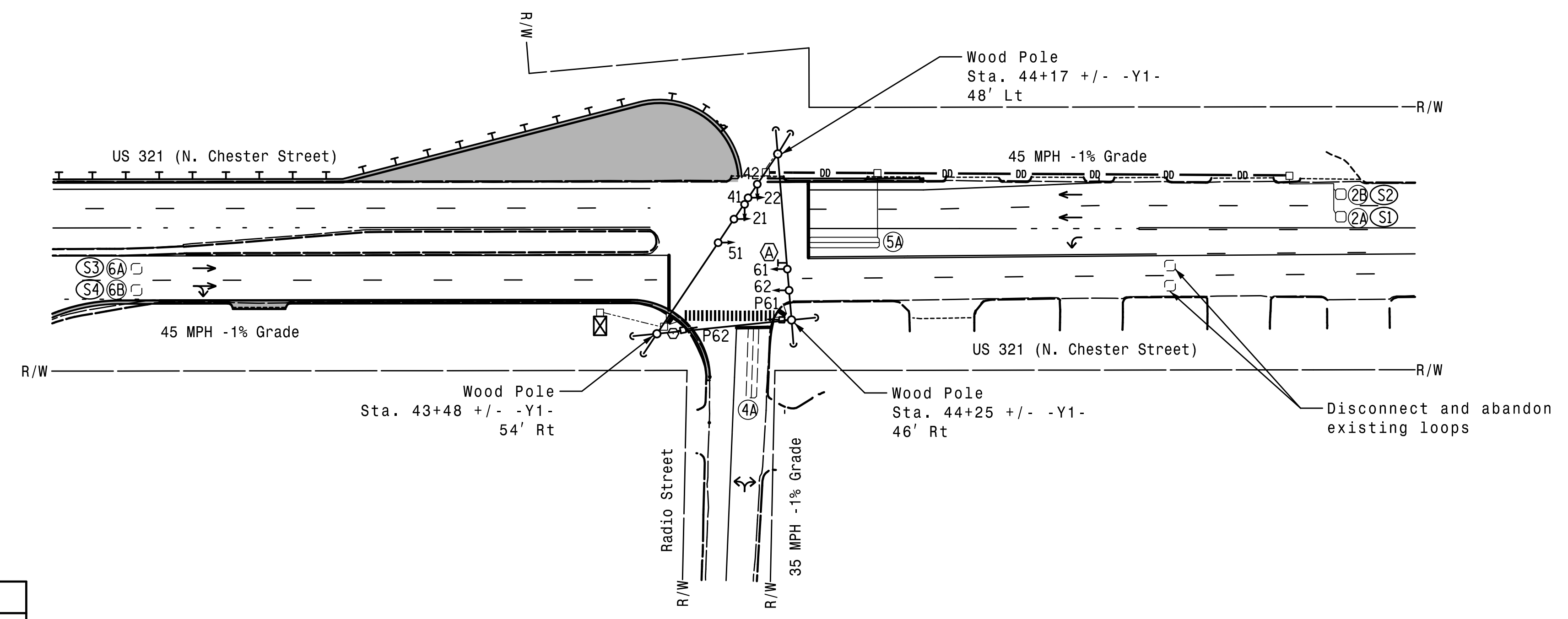


OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A/S1	6X6	300	6	Y	2	Y	Y	-	-	-	Y	Y
2B/S2	6X6	300	6	Y	2	Y	Y	-	-	-	Y	Y
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	10	-	Y
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	15	-	Y
6A/S3	6X6	EXIST	EXIST	-	6	Y	Y	-	-	-	Y	Y
6B/S4	6X6	EXIST	EXIST	-	6	Y	Y	-	-	-	Y	Y

3 Phase Fully Actuated (Gastonia City Signal System)

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 5 may be lagged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
8. Pedestrian pedestals and push buttons are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.
9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
10. Signal System data: Controller Asset #1623.



PROPOSED		EXISTING	
○→	Traffic Signal Head	●→	N/A
○→	Modified Signal Head	○→	N/A
↓	Sign	↓	N/A
↓	Pedestrian Signal Head 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
→	Directional Arrow	→	N/A
N/A	Guardrail	—	N/A
—	Directional Drill	—	N/A
○	Type II Signal Pedestal	●	N/A
N/A	Wheelchair Ramp	↗	N/A
△	No Left Turn Sign (R3-2)	△	N/A
■	Construction Zone	■	N/A

OASIS 2070 TIMING CHART				
FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	12	7	7	12
Extension 1 *	6.0	2.0	2.0	6.0
Max Green 1 *	90	30	20	90
Yellow Clearance	4.6	3.0	3.0	4.6
Red Clearance	1.4	2.9	2.3	1.4
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	4
Don't Walk 1	-	-	-	12
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	-	-	-	-
Simultaneous Gap	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 Radio Street		
	Division 12 Gaston Co. Gastonia	PLAN DATE: September 2016	
PREPARED BY: J.A. Wagner	REVIEWED BY: N.R. Simmons	DATE: 11/8/2016	SIGNATURE: <i>W. Tisha R. Simmons</i>
REVISIONS	INIT.	DATE	INVENTORY NO. 12-162311

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