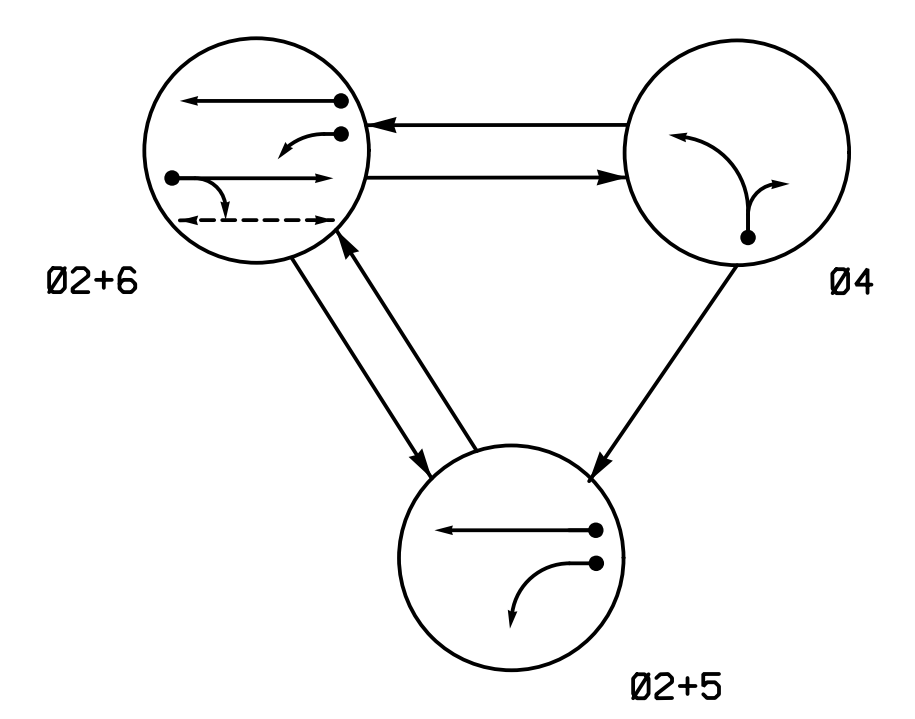


PHASING DIAGRAM

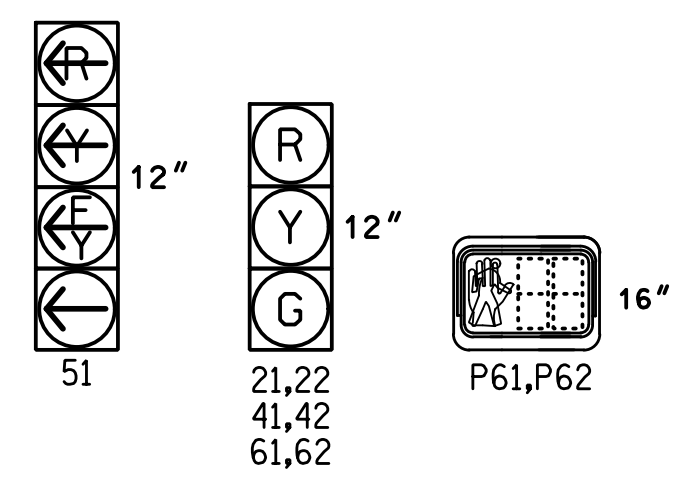


PHASING DIAGRAM DETECTION LEGEND

- ←● 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	—	—	—	—
61,62	R	G	R	Y
P61,P62	DW	W	DW	DRK

SIGNAL FACE I.D.
All Heads L.E.D.

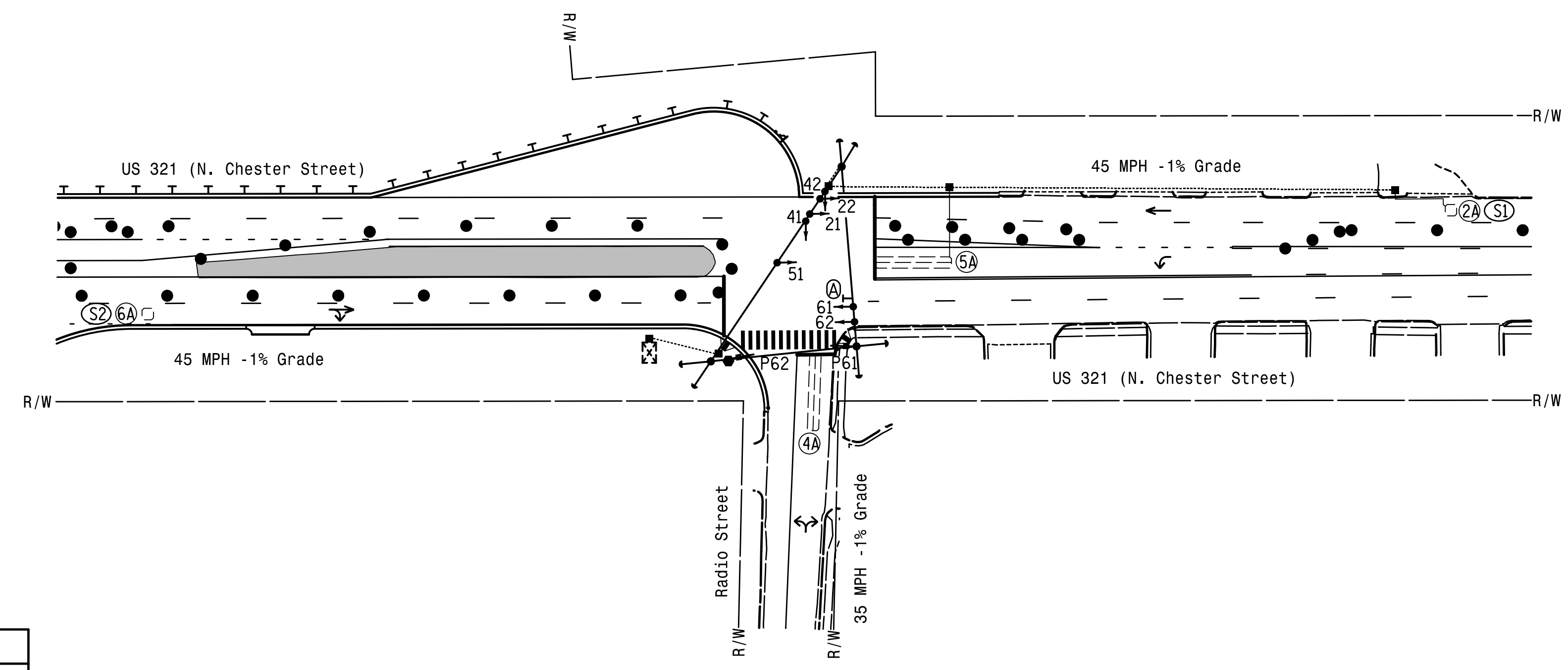


OASIS 2070 LOOP & DETECTOR INSTALLATION CHART											
INDUCTIVE LOOPS						DETECTOR PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP
2A/S1	6X6	300	6	-	2	Y	Y	-	-	-	Y
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	10	-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

3 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 directed by the engineer.
- Phase 5 may be lagged.
- Reposition existing signal heads 21, 22, 42, 61, 62 and sign (A).
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 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 #1623.



PROPOSED		EXISTING	
○→	Traffic Signal Head	●→	
○→	Modified Signal Head	N/A	
⊥	Sign	⊥	
⊥	Pedestrian Signal Head With Push Button & Sign	⊥	
○→	Signal Pole with Guy	●→	
○→	Signal Pole with Sidewalk Guy	●→	
⊥	Inductive Loop Detector	⊥	
⊥	Controller & Cabinet	⊥	
⊥	Junction Box	⊥	
⊥	2-in Underground Conduit	⊥	
N/A	Right of Way	—	
N/A	Directional Arrow	→	
N/A	Guardrail	—	
—	Directional Drill	N/A	
○	Type II Signal Pedestal	●	
N/A	Wheelchair Ramp	⊥	
⊥	No U-Turn Sign (R3-4)	(A)	
■	Construction Zone	N/A	
●	Construction Zone Drums	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	1.3	2.9	2.1	1.3
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	4
Don't Walk 1	-	-	-	12
Seconds Per Actuation *	2.5	-	-	2.5
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, Steps 6 & 7

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 REVIEWED BY: T.R. Terrell	
SCALE 1"=50'	REVISIONS	INIT. DATE	11/8/2016 Signature: _____ DATE: _____ SIG. INVENTORY NO. 12-1623T2

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