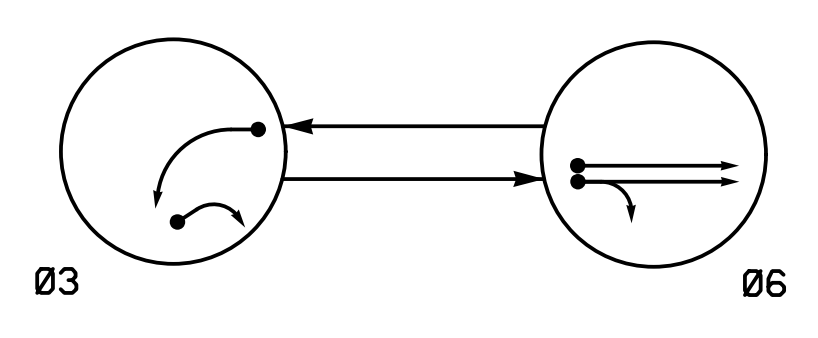


PHASING DIAGRAM

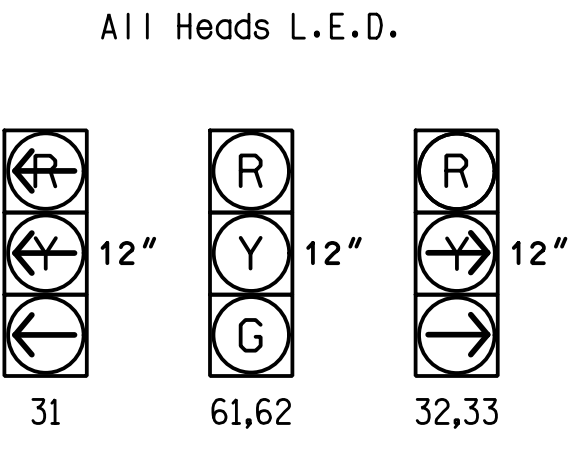


PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE		
	S	6	F
31	---	R	R
32,33	---	R	R
61,62	R	G	Y

SIGNAL FACE I.D.

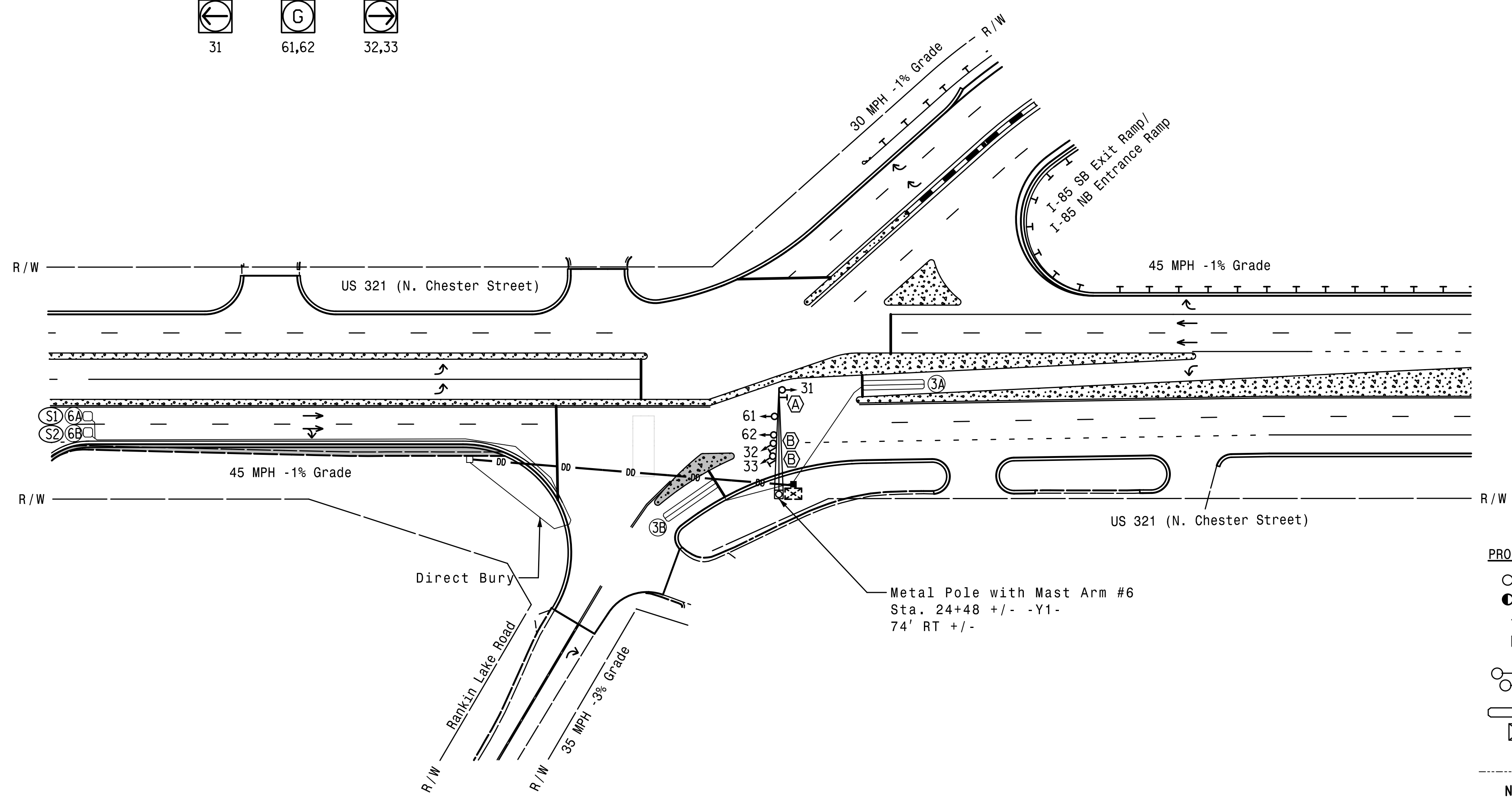


OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
3A	6X40	0	2-4-2	Y	3	Y	Y	-	-	-	-	-
3B	6X40	0	2-4-2	Y	3	Y	Y	-	-	20	-	-
6A/S1	6X6	300	5	Y	6	Y	Y	-	-	-	Y	-
6B/S2	6X6	300	5	Y	6	Y	Y	-	-	-	Y	-

2 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. Set all detector units to presence mode.
4. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
5. Signal System data: Controller Asset #0921.



FEATURE	PHASE	
	3	6
Min Green 1 *	7	12
Extension 1 *	2.0	6.0
Max Green 1 *	25	90
Yellow Clearance	3.0	4.6
Red Clearance	3.3	3.0
Red Revert	2.0	2.0
Walk 1 *	-	-
Don't Walk 1	-	-
Seconds Per Actuation *	-	1.5
Max Variable Initial *	-	34
Time Before Reduction *	-	15
Time To Reduce *	-	30
Minimum Gap	-	3.0
Recall Mode	-	MIN RECALL
Vehicle Call Memory	-	YELLOW
Dual Entry	-	-
Simultaneous Gap	ON	ON

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

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	— — —
⊙	"U-TURN YIELD TO RIGHT TURN" Sign (R10-16)	⊙
⊙	Right Arrow "ONLY" Sign (R3-5R)	⊙
■	Construction Zone	N/A

Temporary Signal
Phase 2, Step 1

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

	US 321 (N. Chester Street) at Rankin Lake Road		
	Division 12 PLAN DATE: September 2016 PREPARED BY: J.A. Wagner	Gaston Co. REVIEWED BY: T.R. Terrell REVIEWED BY: N.R. Simmons	

HNTB HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997