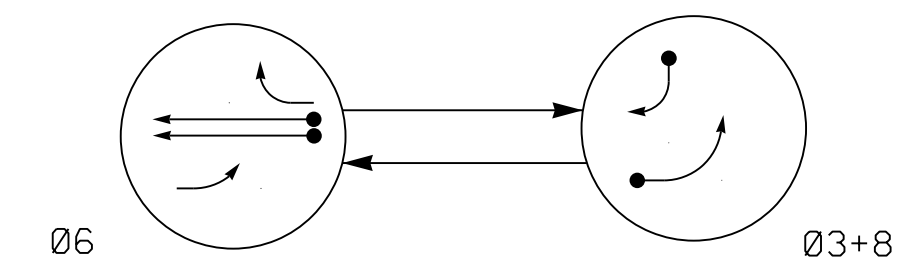
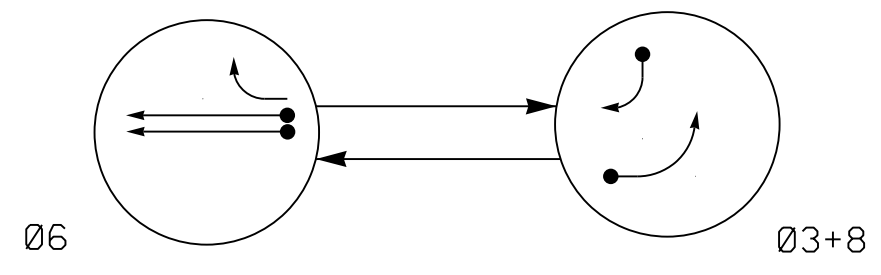


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	06	03+8	F L H S
31,32	←	←	←
61	↑	R	Y
62	G	R	Y
63	←	R	Y
81,82,83	R	→	←

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	06	03+8	F L H S
31,32	←	←	←
61	↑	R	Y
62	G	R	Y
63	←	R	Y
81,82,83	R	→	←

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	-	-	15#	-	Y
6A	6X6	300	4	Y	6	Y	Y	-	-	-	-	Y
6B	6X6	300	4	Y	6	Y	Y	-	-	-	-	Y
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	-	-	Y

# Disable Delay During Alternate Phasing Operation.

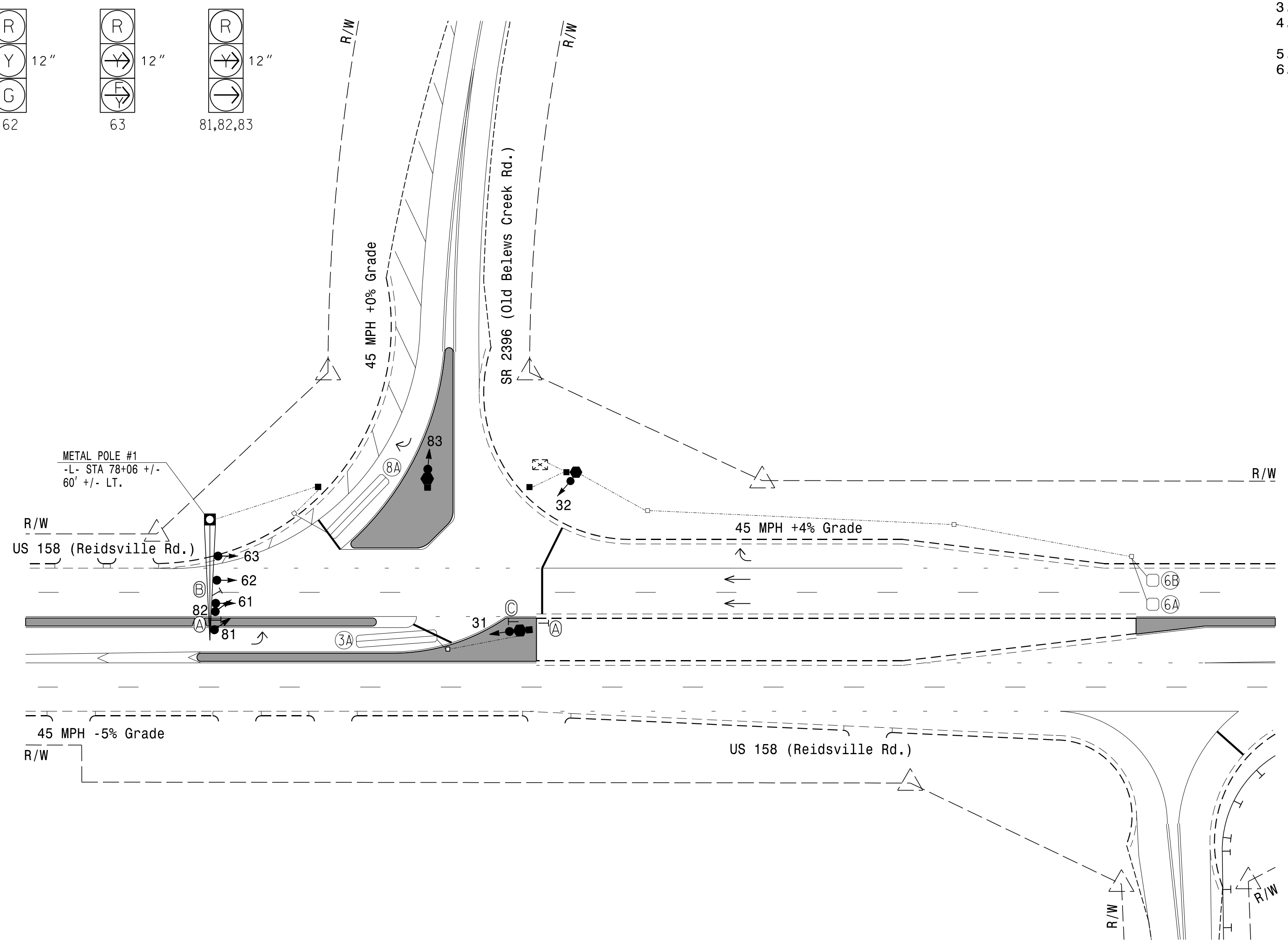
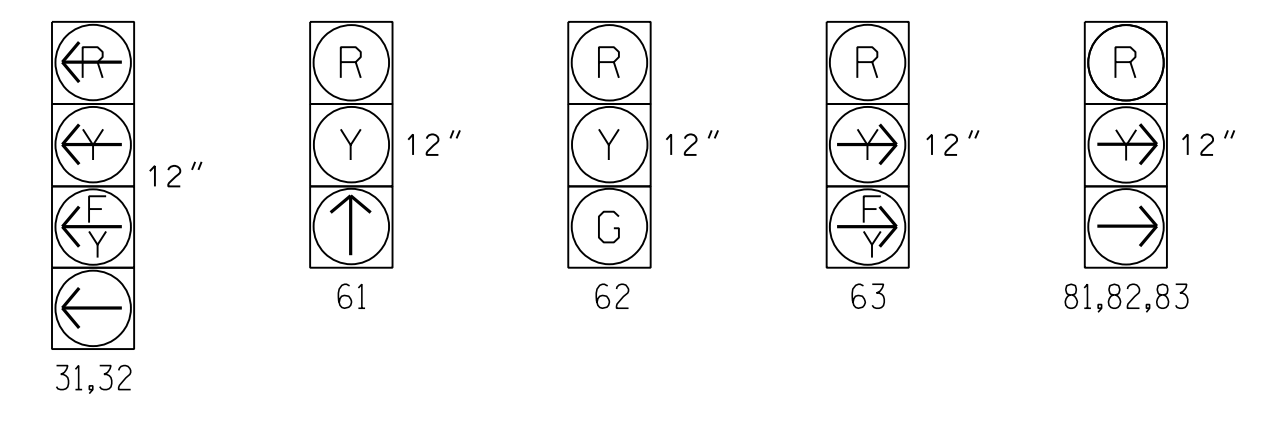
2 Phase Fully Actuated (Winston-Salem Signal System)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
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. The City Traffic Engineer will determine the hours of use for each phasing plan.
5. Reposition existing signal heads numbered 61 and 62.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

SIGNAL FACE I.D.

All Heads L.E.D.



LEGEND

- | PROPOSED   | EXISTING   |
|--|--|
| ○ → Traffic Signal Head                          | ● → Traffic Signal Head                          |
| ● → Modified Signal Head                         | N/A  |
| ↑ Sign   | ↑ Sign   |
| ↓ Pedestrian Signal Head With Push Button & Sign | ↓ Pedestrian Signal Head With Push Button & Sign |
| ○ Signal Pole with Guy                           | ○ Signal Pole with Guy                           |
| ○ Signal Pole with Sidewalk Guy                  | ○ Signal Pole with Sidewalk Guy                  |
| □ Inductive Loop Detector                        | □ Inductive Loop Detector                        |
| □ Controller & Cabinet                           | □ Controller & Cabinet                           |
| □ Junction Box                                   | □ Junction Box                                   |
| --- 2-in Underground Conduit                     | --- 2-in Underground Conduit                     |
| N/A Right of Way                                 | N/A Right of Way                                 |
| N/A Directional Arrow                            | N/A Directional Arrow                            |
| N/A Guardrail                                    | N/A Guardrail                                    |
| ☀ Metal Pole with Mastarm                        | ☀ Metal Pole with Mastarm                        |
| --- Directional Drill                            | N/A Directional Drill                            |
| Ⓐ No Left Turn Sign (R3-2)                       | Ⓐ No Left Turn Sign (R3-2)                       |
| Ⓑ "NO TURN ON RED" Sign (R10-11)                 | Ⓑ "NO TURN ON RED" Sign (R10-11)                 |
| Ⓒ "U-TURN YIELD TO RIGHT TURN" Sign (R10-16)     | Ⓒ "U-TURN YIELD TO RIGHT TURN" Sign (R10-16)     |
| ○ Type II Signal Pedestal                        | ○ Type II Signal Pedestal                        |

OASIS 2070 TIMING CHART

FEATURE	PHASE		
	3	6	8
Min Green 1 *	7	12	7
Extension 1 *	2.0	6.0	2.0
Max Green 1 *	30	90	30
Yellow Clearance	3.1	4.2	3.1
Red Clearance	1.9	1.8	1.9
Red Revert	2.0	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	X	-	X
Simultaneous Gap	ON	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.

Signal Upgrade - Final Design

Prepared for the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

US 158 WB (Reidsville Rd.)  
at  
SR 2396 (Old Belevs Creek Rd.)

Division 9 Forsyth County Winston-Salem  
PLAN DATE: February 2024 REVIEWED BY: WP Erickson-Jones  
PREPARED BY: H Townsend REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:  
W. Porter Jones  
2/12/2024

REVISIONS	INIT.	DATE

SCALE: 1" = 40'

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