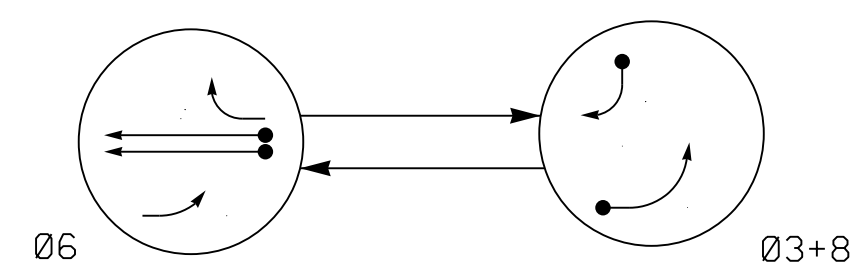
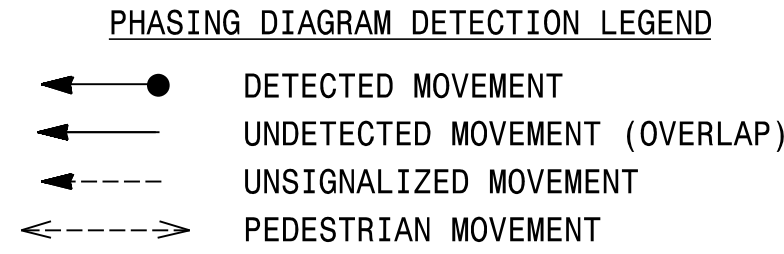
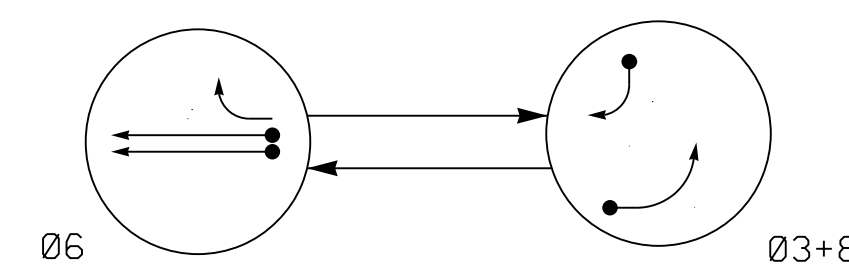


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

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

ALTERNATE PHASING TABLE OF OPERATION

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

MAXTIME DETECTOR INSTALLATION CHART

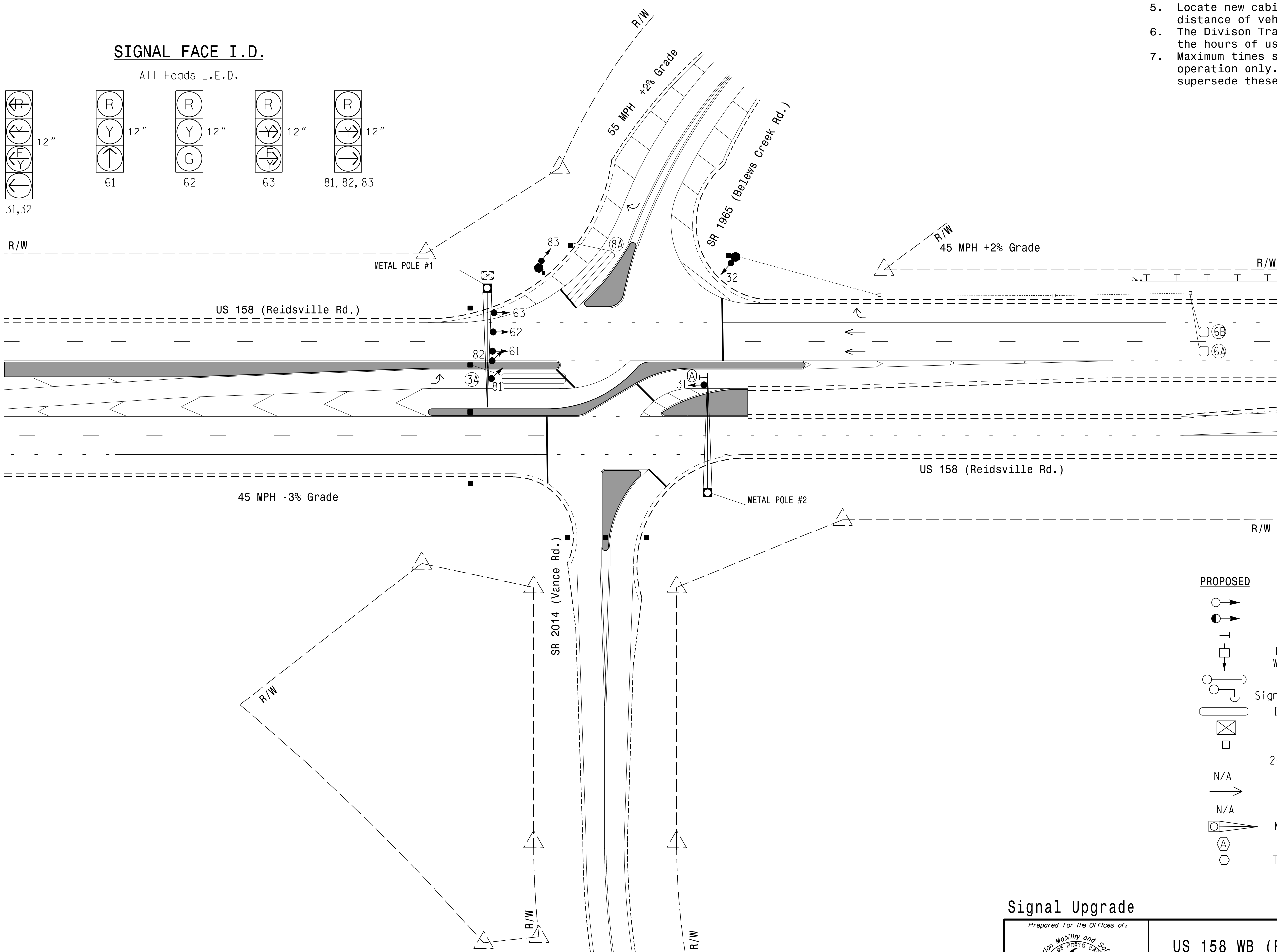
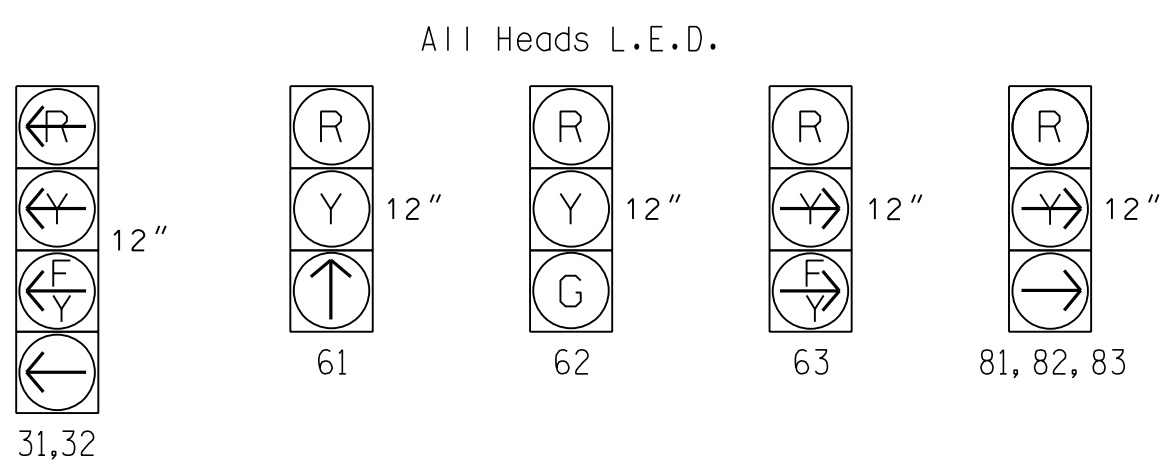
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING								
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	INITIAL	CALL	DELAY DURING GREEN	NEW CARD	
3A	6X40	0	2-4-2	X	3	15#	-	-	X	-	X	-	X
6A	6X6	300	5	X	6	-	-	-	X	X	X	-	X
6B	6X6	300	5	X	6	-	-	-	X	X	X	-	X
8A	6X40	0	2-4-2	X	8	15	-	-	X	-	X	-	X

# Disable Delay During Alternate Phasing Operation.

2 Phase Fully Actuated (US 158 Signal System) Signal System #: D09-11\_Winston-Salem NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Reposition existing signal heads numbered 61, 62, 63, 81 and 82.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

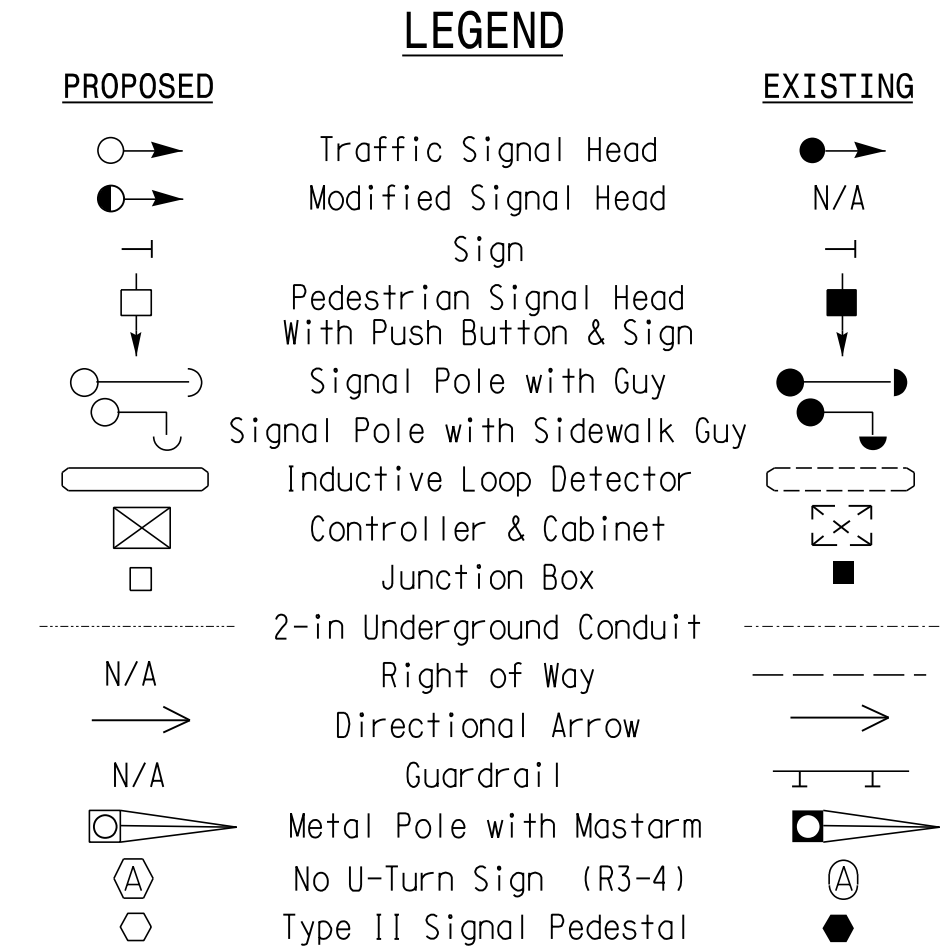
SIGNAL FACE I.D.



MAXTIME TIMING CHART

FEATURE	PHASE		
	3	6	8
Walk *	-	-	-
Ped Clear *	-	-	-
Min Green	7	12	7
Passage *	2.0	6.0	2.0
Max I *	30	90	30
Yellow Change	3.0	4.3	3.0
Red Clear	2.3	1.6	2.3
Added Initial *	-	1.5	-
Maximum Initial *	-	34	-
Time Before Reduction *	-	15	-
Time To Reduce *	-	30	-
Minimum Gap	-	3.0	-
Advance Walk	-	-	-
Non Lock Detector	X	-	X
Vehicle Recall	-	MIN RECALL	-
Dual Entry	X	-	X

\* 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

Prepared for the Offices of:

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750 N. Greenfield Pkwy, Garner, NC 27529

**US 158 WB (Reidsville Rd.) at SR 1965 (Belews Creek Rd.)**  
Division 9 Forsyth County Walkertown  
PLAN DATE: February 2024 REVIEWED BY: WP Erickson-Jones  
PREPARED BY: H Townsend REVIEWED BY:

REVISIONS: \_\_\_\_\_ INIT. DATE

DocuSigned by: **Porter Jones** 056142  
2/12/2024  
SIGNATURE DATE  
SIG. INVENTORY NO. 09-0985

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

2/12/2024 R:\Traffic\c451\gnal\0409\0985\_s1\p.dgn...XXXXXX.dgn wplones