

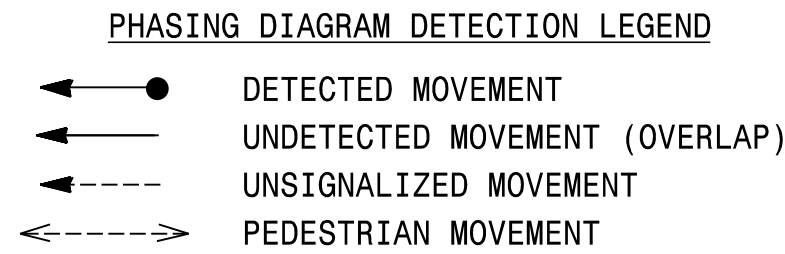
**TABLE OF OPERATION**

SIGNAL FACE	PHASE			
	Ø 1 + 6	Ø 2 + 6	Ø 8	F L L HEAD
11	R	Y	R	Y
21	R	Y	R	Y
22	R	G	R	Y
61, 62	G	G	R	Y
81	R	R	R	R
82	R	R	R	R
83	R	R	R	R

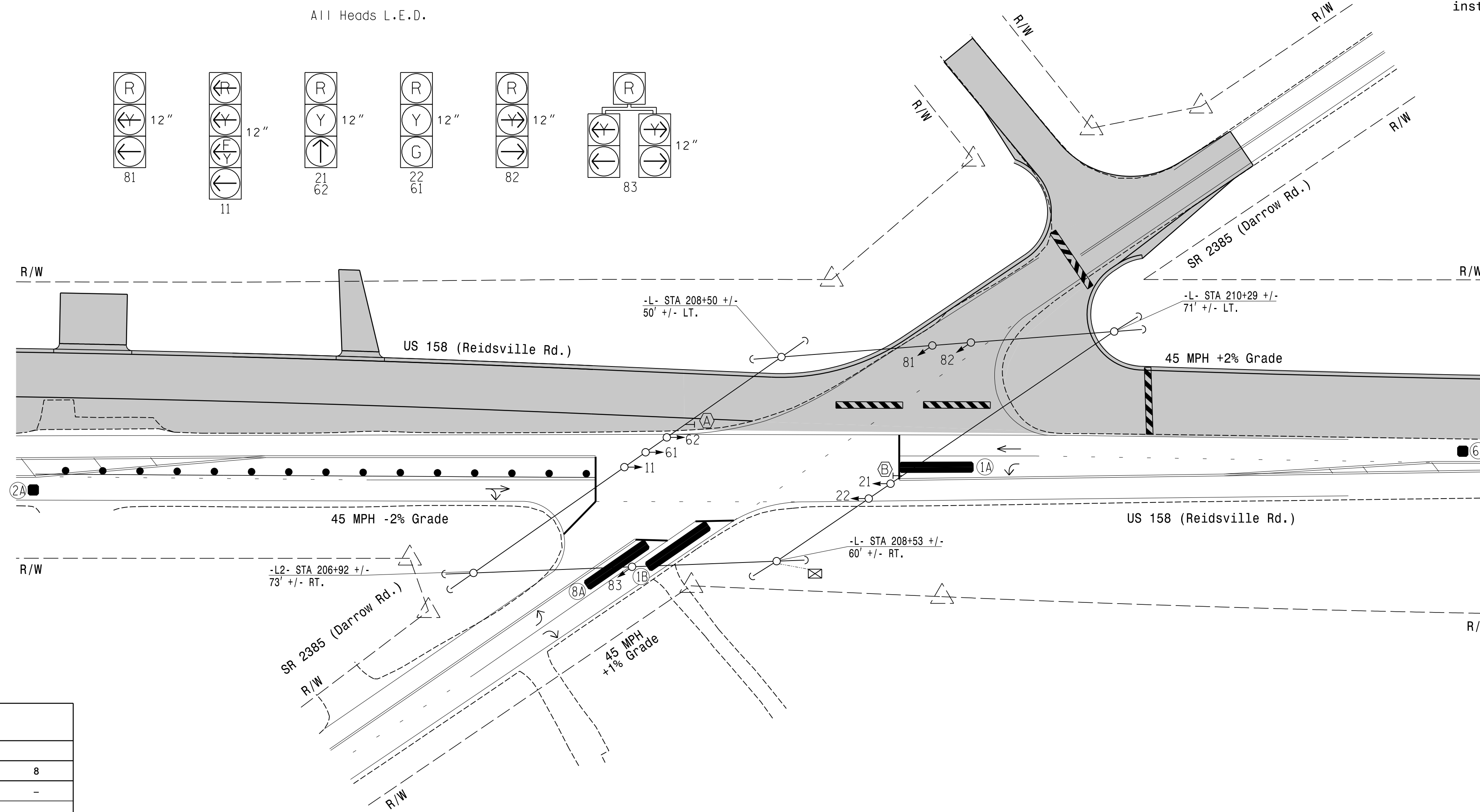
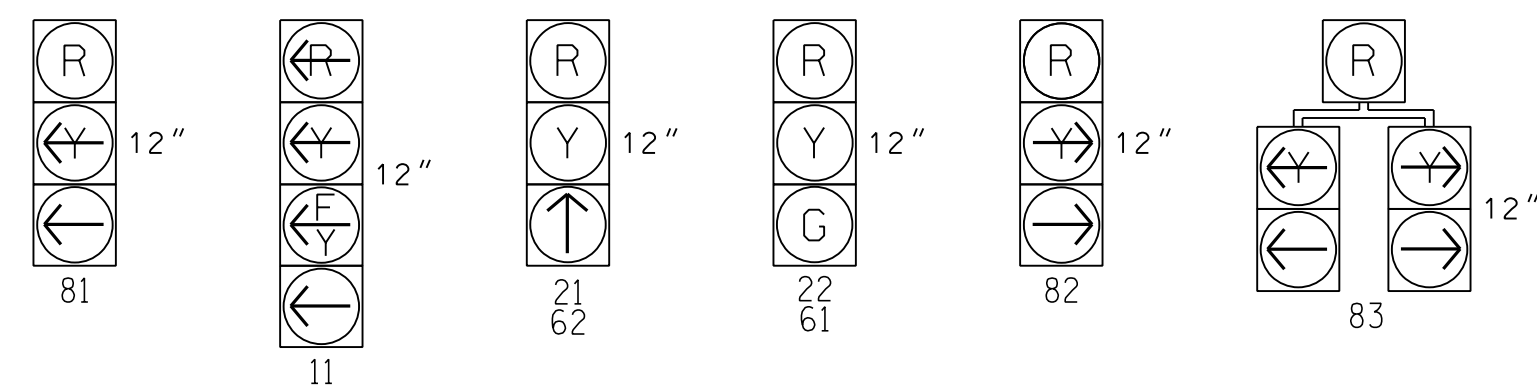
**MAXTIME DETECTOR INSTALLATION CHART**

DETECTOR				PROGRAMMING								
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURN	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
1A *	6X40	0	*	*	1	15	-	X	-	X	-	*
					6	3	-	X	-	X	X	*
1B *	6X40	0	*	*	1	15	-	X	-	X	-	*
2A *	6X6	300	*	*	2	-	-	X	X	X	-	*
6A *	6X6	300	*	*	6	-	-	X	X	X	-	*
8A *	6X40	0	*	*	8	3	-	X	-	X	-	*

\* Video Detection Zone



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



**3 Phase Fully Actuated (Isolated)**  
**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.
- Phase 1 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

**MAXTIME TIMING CHART**

FEATURE	PHASE			
	1	2	6	8
Walk *	-	-	-	-
Ped Clear *	-	-	-	-
Min Green	7	12	12	7
Passage *	2.0	6.0	6.0	2.0
Max I *	15	100	100	35
Yellow Change	3.0	4.7	4.7	3.0
Red Clear	3.5	2.2	2.2	1.9
Added Initial *	-	2.5	2.5	-
Maximum Initial *	-	34	34	-
Time Before Reduction *	-	15	15	-
Time To Reduce *	-	30	30	-
Minimum Gap	-	3.0	3.0	-
Advance Walk	-	-	-	-
Non Lock Detector	X	-	-	X
Vehicle Recall	-	MIN RECALL	MIN RECALL	-
Dual Entry	-	-	-	-

\* 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.

**LEGEND**

PROPOSED	EXISTING
○ → Traffic Signal Head	● → Traffic Signal Head
○ → Modified Signal Head	■ → No Right Turn Sign (R3-1)
□ → Sign	○ → No Left Turn Sign (R3-2)
□ → Pedestrian Signal Head With Push Button & Sign	→ → Right of Way
□ → Signal Pole with Guy	—●— Construction Zone Drums
□ → Signal Pole with Sidewalk Guy	—■— Construction Zone
□ → Inductive Loop Detector	▬▬▬ Video Detection Zone
□ → Controller & Cabinet	▬▬▬ Barricade
□ → Junction Box	
□ → 2-in Underground Conduit	
→ → Right of Way	
→ → Directional Arrow	
—●— Construction Zone Drums	
—■— Construction Zone	
▬▬▬ Video Detection Zone	
▬▬▬ Barricade	
Ⓐ → No Right Turn Sign (R3-1)	
Ⓑ → No Left Turn Sign (R3-2)	

2/12/2024 R:\Traffic\c4s1\gn1\gn4s1\gn1\gn1\4050396t1\_41.g\_den\_XXXXXXX.dgn wp1.ons

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Prepared For the Offices of:  
 Transportation Mobility and Safety Division  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRANSPORTATION SAFETY SECTION

750 N. Greenfield Pkwy, Garner, NC 27529

Signal Upgrade - Temporary Design 1 (TMP Phase I Step 1)

**US 158 (Reidsville Rd.)  
at  
SR 2385 (Darrow Rd.)**

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

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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 DocuSign  
 Signature: Porter Jones  
 Date: 2/12/2024  
 SIGNATURE DATE  
 SIG. INVENTORY NO. 09-099611