



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.
 Set all detector units to presence mode.

4. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

LEGEND

Traffic Signal Head

EXISTING

●→

MAXTIME DETECTOR INSTALLATION CHART PROGRAMMING DETECTOR CALL DELAY EXTEND SHIP OF TIME (FT) STOPBAR (FT) 2A * | 6X6 | 300 | * | * | 2 | - | - | X | X | X | - | * * * 4 15 ↑ ★ 4 15 7A ★ 6X40 0 ★ ★ 7 15# ★ Video Detection Zone

45 MPH +2% Grade

US 158 (Reidsville Rd.)

METAL POLE #2 -L- STA 291+27 +/-

23	Y	П	1	l 4:A	*	6
41, 42, 43	R		R		*	

	71,72 - - - - - - - - 	71,72 R - Y 	* Video Detection Zone
SIGNAL FACE I.D.		<u> </u>	# Disable Delay During Alternate Phasing Operation.
SIGNAL LAGE I.D.		♦ \/	

SIGNAL

FACE

21

2.2

23

ALTERNATE PHASING TABLE OF OPERATION

PHASE

DEFAULT PHASING TABLE OF OPERATION

SIGNAL

FACE

21

2.2

23

41, 42, 43

METAL POLE #1 -L- STA 289+89 +/

 \longrightarrow

41, 42, 43

US 158 (Reidsville Rd.)

45 MPH -3% Grade

PHASE

<u>PHASING</u>	DIAGRAM DETECTION LEGEND	
	DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT PEDESTRIAN MOVEMENT	
		71,
		_R/W

DEFAULT PHASING DIAGRAM

ALTERNATE PHASING DIAGRAM

All Heads L.E.D.

MAXTIM	E TIMI	NG CHA	RT
FEATURE		PHASE	
FEATURE	2	4	7
Walk *	_	_	_
Ped Clear *	_	_	_
Min Green	12	7	7
Passage *	6.0	2.0	2.0
Max 1 *	90	30	30
Yellow Change	4.8	3.0	3.0
Red Clear	1.3	2.3	2.3
Added Initial *	2.5	_	_
Maximum Initial *	34	_	_
Time Before Reduction *	15	_	_
Time To Reduce *	30	_	_
Minimum Gap	3.0	_	_
Advance Walk	-	_	_
Non Lock Detector	_	Х	Х
Vehicle Recall	MIN RECALL	_	_

Extension times for phase 2 lower than what is shown. Min Green

		NO CUA	DT	Inductive Loop Detector	
MAXTIM	F ITMT	NG CHA	KI	Controller & Cabinet	K _X _X
FEATURE		PHASE		□ Junction Box	
FEATURE	2	4	7	2-in Underground Conduit	
Walk *	_	-	-	N/A Right of Way -	
Ped Clear *	-	_	_	\longrightarrow Directional Arrow	\longrightarrow
Min Green	12	7	7	Video Detection Zone	
Passage *	6.0	2.0	2.0	N/A Guardrail N/A Guardrail	
Max 1 *	90	30	30		
Yellow Change	4.8	3.0	3.0		
Red Clear	1.3	2.3	2.3	Type II Signal Pedestal	•
Added Initial *	2.5	_	_	— DD — Directional Drill	N/A
Maximum Initial *	34	_	_	DOCUMENT	NOT CONSIDERED
Time Before Reduction *	15	-	-	Signal Upgrade - Temporary Design 5 (TMP Phase III Step 3) Signatur	FNOT CONSIDERED LUNLESS ALL RES COMPLETED

RKK NC License No. F-0112 Engineers | Construction Managers | Planners | Scientists for all other phases should not be lower than 4 seconds. Responsive People | Creative Solutions

SR 2014 (Vance Rd.) Division 9 Forsyth County PLAN DATE: February 2024 | REVIEWED BY: WP Erickson-Jones |

US 158 EB (Reidsville Rd.)

8601 Six Forks Road Suite 700 | Raleigh, North Carolina 27615-2965 750 N. Greenfield Pkwy. Garner. NC 27529 PREPARED BY: H TOWNSEND REVIEWED BY:

Dual Entry