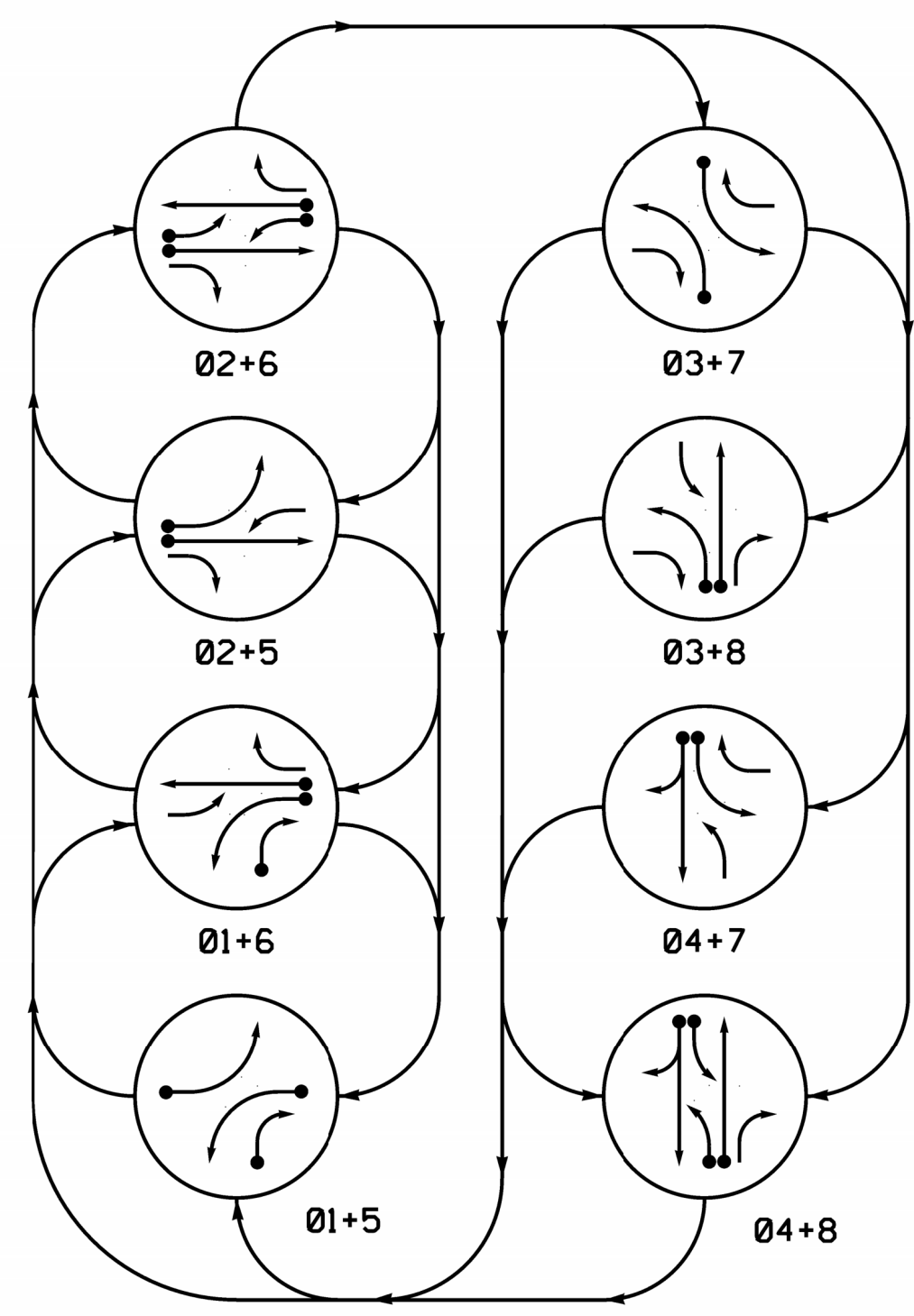


DEFAULT PHASING DIAGRAM

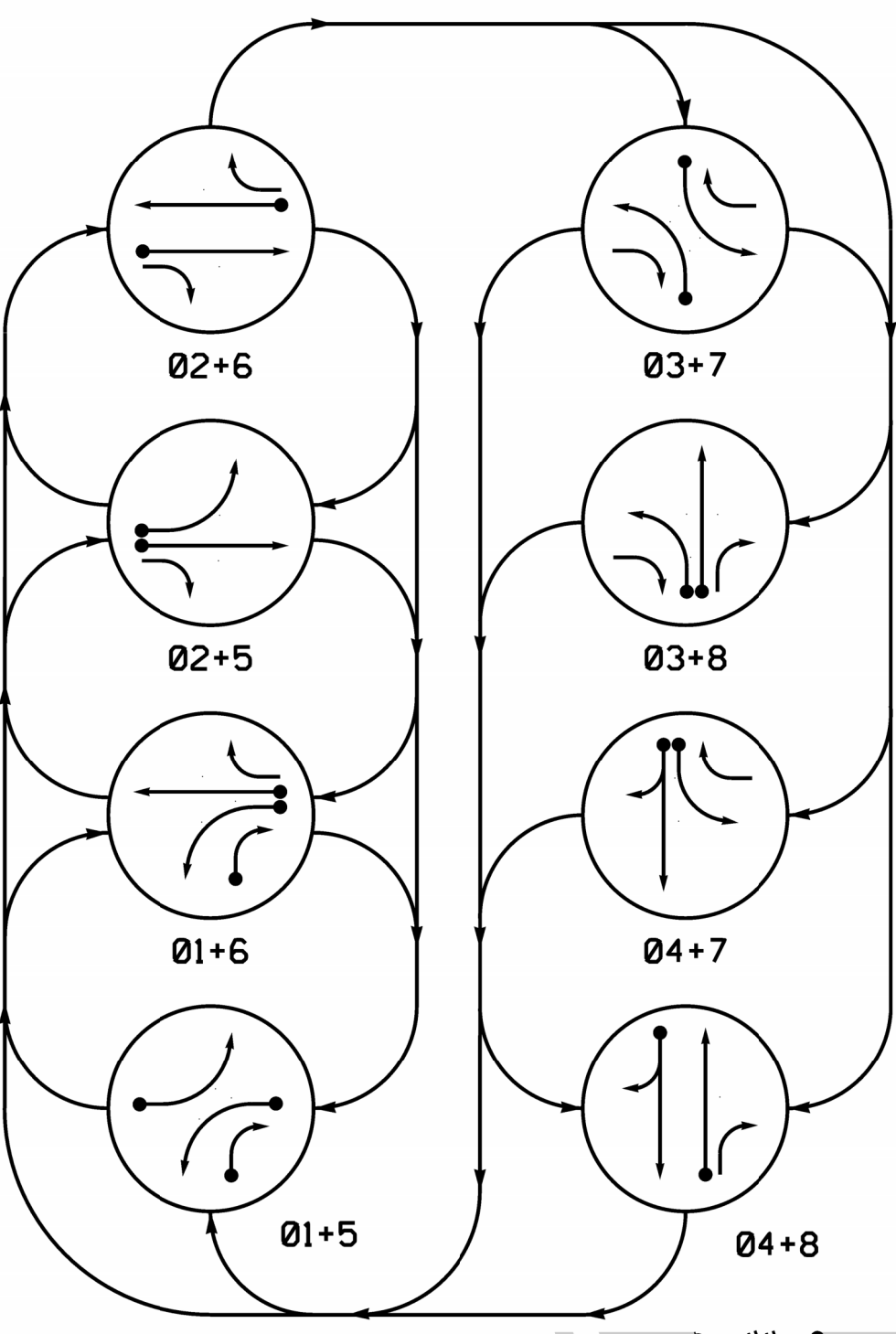


DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE								FLASH
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8	
11	-	-	F	F	R	R	R	R	Y
21	R	R	G	G	R	R	R	R	Y
22	R	R	G	G	R	R	R	R	Y
31	R	R	R	R	-	-	F	F	R
41,42,43	R	R	R	R	R	R	G	G	R
51	-	F	F	F	R	R	R	R	Y
61	R	G	R	G	R	R	R	R	Y
62	R	G	R	G	R	R	R	R	Y
71	R	R	R	R	-	F	F	R	Y
81,83	R	R	R	R	R	G	R	G	R
82	R	R	R	R	R	G	R	G	R

PHASING DIAGRAM DETECTION LEGEND
 ● DETECTED MOVEMENT
 ○ UNDETECTED MOVEMENT (OVERLAP)
 - - - UNSIGNALIZED MOVEMENT
 - - - PEDESTRIAN MOVEMENT

ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE								FLASH
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8	
11	-	-	R	R	R	R	R	R	Y
21	R	R	G	G	R	R	R	R	Y
22	R	R	G	G	R	R	R	R	Y
31	R	R	R	R	-	-	R	R	Y
41,42,43	R	R	R	R	R	R	G	G	R
51	-	R	R	R	R	R	R	R	Y
61	R	G	R	G	R	R	R	R	Y
62	R	G	R	G	R	R	R	R	Y
71	R	R	R	R	-	R	R	R	Y
81,83	R	R	R	R	R	G	R	G	R
82	R	R	R	R	R	G	R	G	R

MAXTIME DETECTOR INSTALLATION CHART

ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	NEW CARD	
1A*	6X40	0	*	*	1	15.0*	-	X	-	X	-	*
6#					6#	3.0	-	X	-	X	X	*
1B*	6X40	0	*	*	1	15.0	-	X	-	X	-	*
2A*	6X6	420	*	*	2	-	-	X	X	X	-	*
3A*	6X40	0	*	*	3	15.0*	-	X	-	X	-	*
8#					8#	3.0	-	X	-	X	-	*
4A*	6X40	0	*	*	4	5.0	-	X	-	X	-	*
5A*	6X40	0	*	*	5	15.0*	-	X	-	X	-	*
2#					2#	3.0	-	X	-	X	X	*
6A*	6X6	420	*	*	6	-	-	X	X	X	-	*
7A*	6X40	0	*	*	7	15.0*	-	X	-	X	-	*
4#					4#	3.0	-	X	-	X	-	*
8A*	6X40	0	*	*	8	-	-	X	-	X	-	*

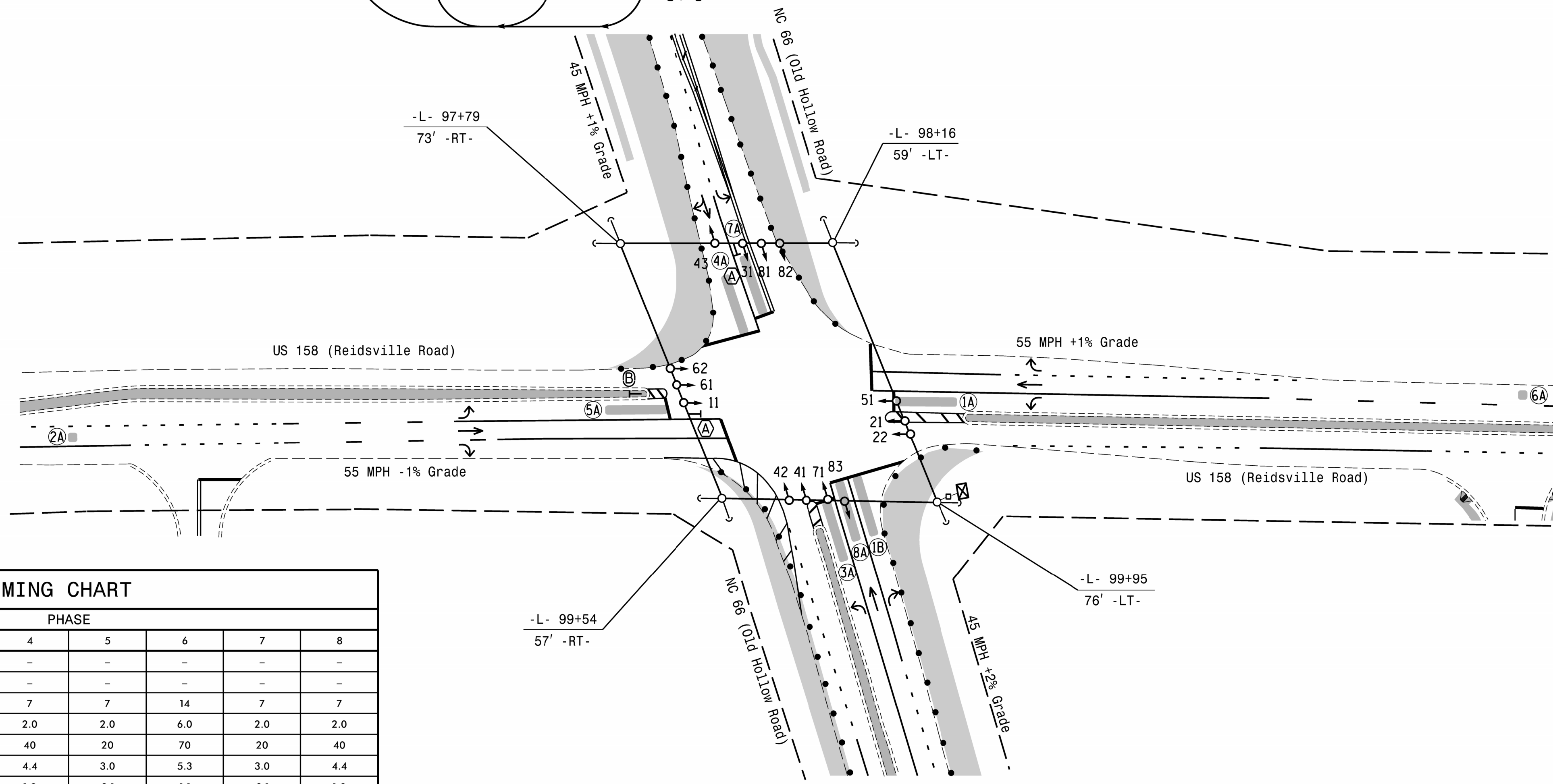
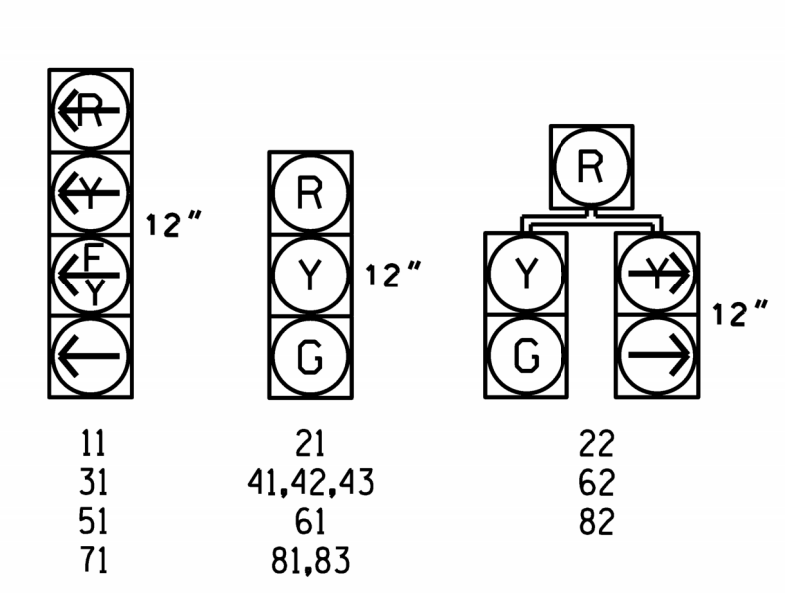
* Video Detection Zone
 * Reduce Delay to 3 seconds during Alternate Phasing Operation.
 # Disable Phase Call for loop During Alternate Phasing Operation.

8 Phase Fully Actuated (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Phase 3 and/or phase 7 may be lagged.
- Set all detector units to presence mode.
- Pavement markings are existing.
- 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.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.

SIGNAL FACE I.D.



MAXTIME TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Walk *	-	-	-	-	-	-	-	-
Ped Clear *	-	-	-	-	-	-	-	-
Min Green *	7	14	7	7	7	14	7	7
Passage *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	2.0
Max 1 *	20	70	20	40	20	70	20	40
Yellow Change	3.0	5.3	3.0	4.4	3.0	5.3	3.0	4.4
Red Clear	2.8	1.1	3.2	1.9	3.1	1.1	3.1	1.9
Added Initial *	-	3.0	-	-	-	3.0	-	-
Maximum Initial *	-	46	-	-	-	46	-	-
Time Before Reduction *	-	20	-	-	-	20	-	-
Time To Reduce *	-	30	-	-	-	30	-	-
Minimum Gap	-	3.4	-	-	-	3.4	-	-
Advance Walk	-	-	-	-	-	-	-	-
Non Lock Detector	X	-	X	X	X	-	X	X
Vehicle Recall	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Dual Entry	-	-	-	X	-	-	-	X

* These values may be field adjusted. Do not adjust Min Green and Passage 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	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
⊥ Video Detection Zone	⊥ Video Detection Zone
⊥ Controller & Cabinet	⊥ Controller & Cabinet
⊥ Junction Box	⊥ Junction Box
⊥ 2-in Underground Conduit	⊥ 2-in Underground Conduit
N/A Right of Way	--- Right of Way
→ Directional Arrow	→ Directional Arrow
▬ Construction Zone	▬ Construction Zone
••• Construction Zone Drums	••• Construction Zone Drums
N/A Curb Ramp	▬ Curb Ramp
⊙ "U-TURN YIELD TO RIGHT TURN" Sign (R10-16)	⊙ "U-TURN YIELD TO RIGHT TURN" Sign (R10-16)
⊙ No U-Turn Sign (R3-4)	⊙ No U-Turn Sign (R3-4)

Signal Upgrade - Temporary Design 1 (TMP Phase I - Step 2)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of: NC FIRM LICENSE No: P-0339 320 Executive Court Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)	Prepared for: 750 N. Greenfield Pkwy, Corner, NC 27529	US 158 (Reidsville Road) at NC 66 (Old Hollow Road) Division 9 Forsyth County Walkertown PLAN DATE: August 2023 REVIEWED BY: E. Sirgany PREPARED BY: J. Smith REVIEWED BY:	SEAL Edward W. Sirgany DATE: 9/7/2023 SIG. INVENTORY NO. 09-026471
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