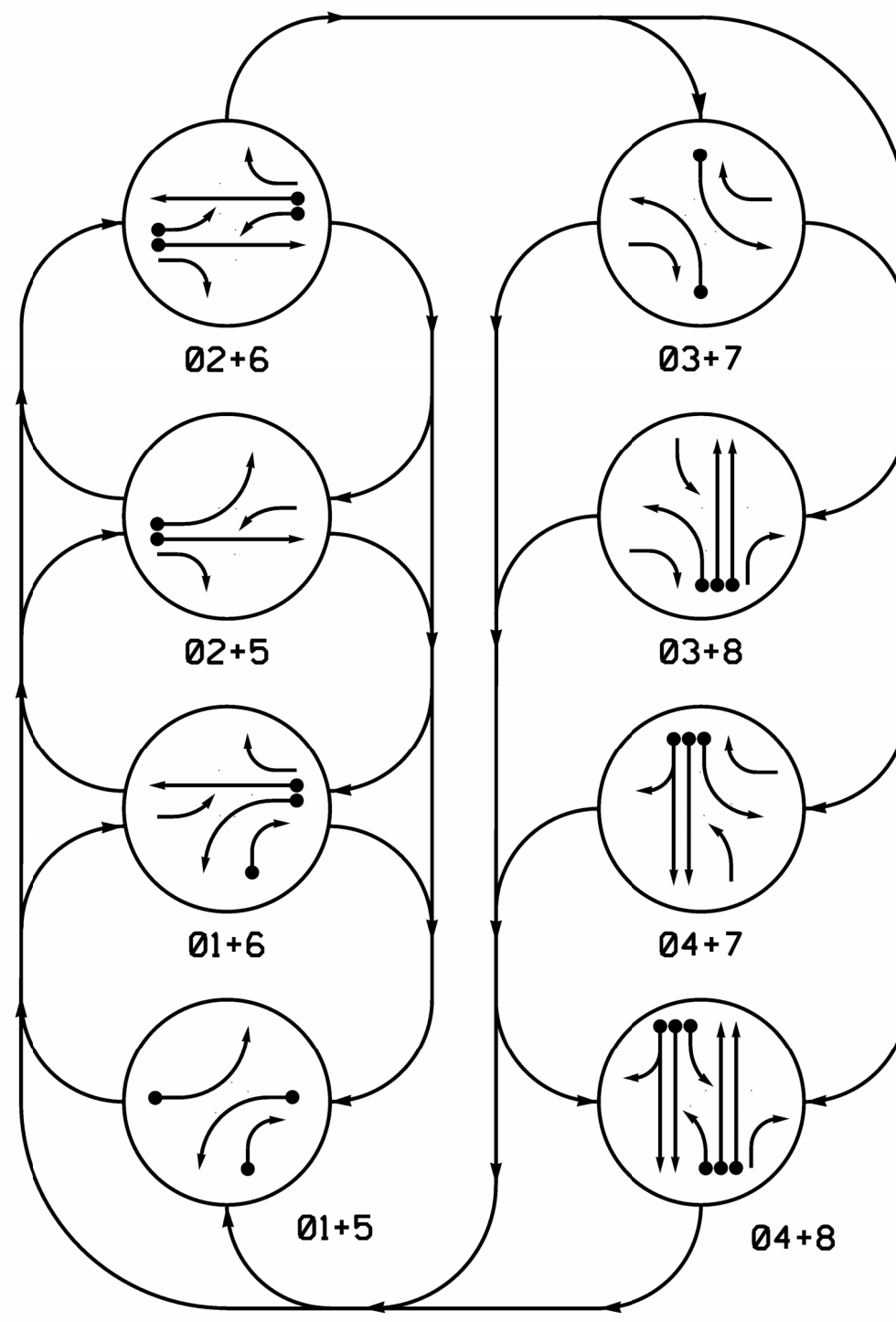


DEFAULT PHASING DIAGRAM



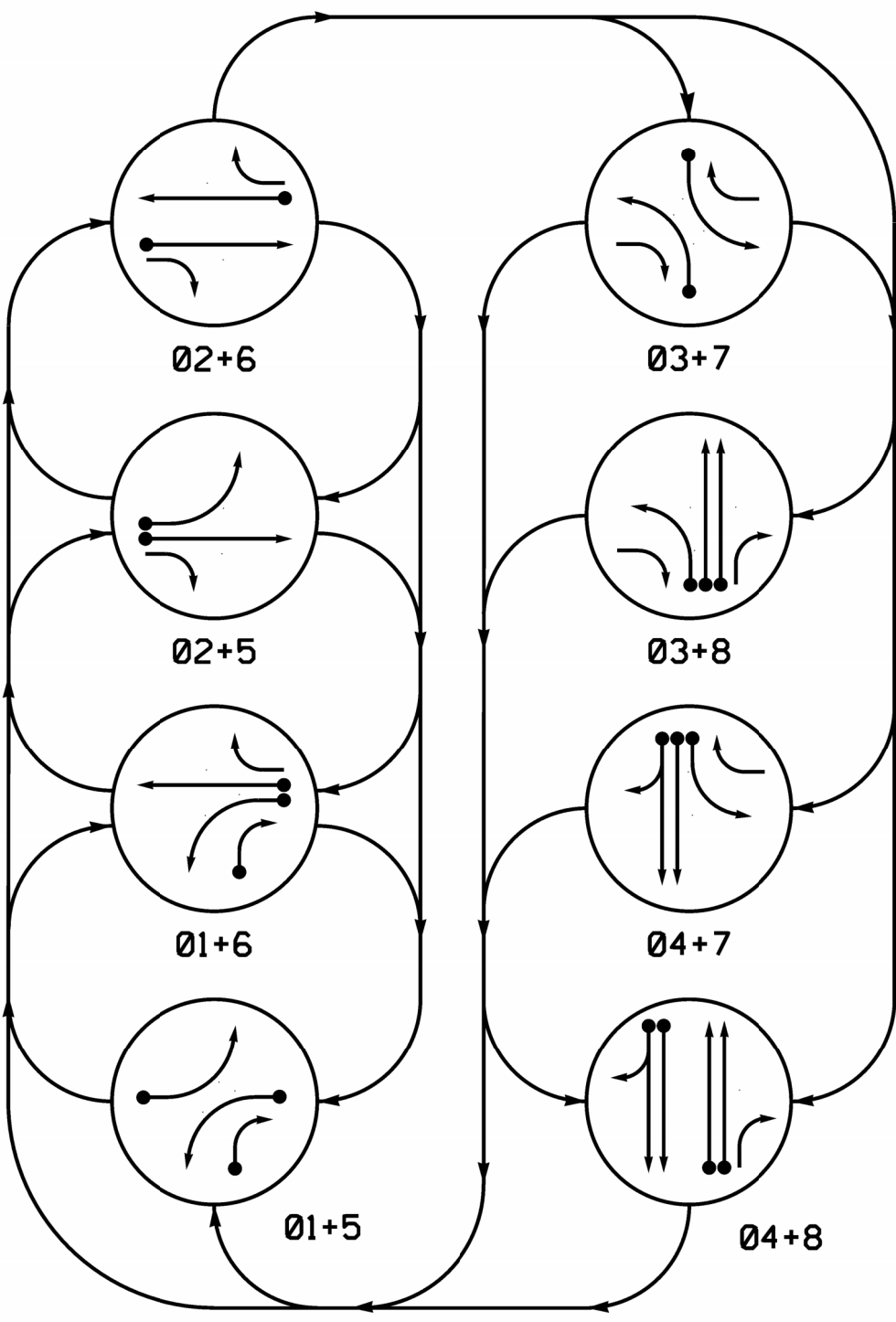
DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE								FLASH	
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8		
11										
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										
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	
81,83	R	R	R	R	R	R	G	G	R	
82	R	R	R	R	R	R	G	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										
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	R	
41,42,43	R	R	R	R	R	R	G	G	R	
51										
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	
81,83	R	R	R	R	R	R	G	G	R	
82	R	R	R	R	R	R	G	G	R	

MAXTIME DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	
1A	6X40	0	2-4-2	X	1	15.0★	-	X	-	X	-	X
1B	6X40	0	2-4-2	X	1	15.0	-	X	-	X	-	X
1C	6X6	0	6	X	1	15.0	-	X	-	X	-	X
2A	6X6	420	6	X	2	-	-	X	X	X	-	X
3A	6X40	0	2-4-2	X	3	15.0★	-	X	-	X	-	X
4A	6X40	0	2-4-2	X	4	-	-	X	-	X	-	X
4B	6X40	0	2-4-2	X	4	5.0	-	X	-	X	-	X
* 4C	6X20	0	2-4-2	X	4	10.0	-	X	-	X	-	X
5A	6X40	0	2-4-2	X	5	15.0★	-	X	-	X	-	X
6A	6X6	420	6	X	6	-	-	X	X	X	-	X
7A	6X40	0	2-4-2	X	7	15.0	-	X	-	X	-	X
8A	6X40	0	2-4-2	X	8	-	-	X	-	X	-	X
8B	6X40	0	2-4-2	X	8	-	-	X	-	X	-	X
S7	6X6	+200	6	X	-	-	-	-	-	-	-	X
S8	6X6	+200	6	X	-	-	-	-	-	-	-	X
S9	6X6	+200	6	X	-	-	-	-	-	-	-	X
S10	6X6	+200	6	X	-	-	-	-	-	-	-	X

- \* Set Sensitivity to appropriate level to detect a bicycle.
- ★ Reduce Delay to 3 seconds during Alternate Phasing Operation.
- \*\* Disable Delay during Alternate Phasing Operation.
- # Disable Phase Call for loop During Alternate Phasing Operation.

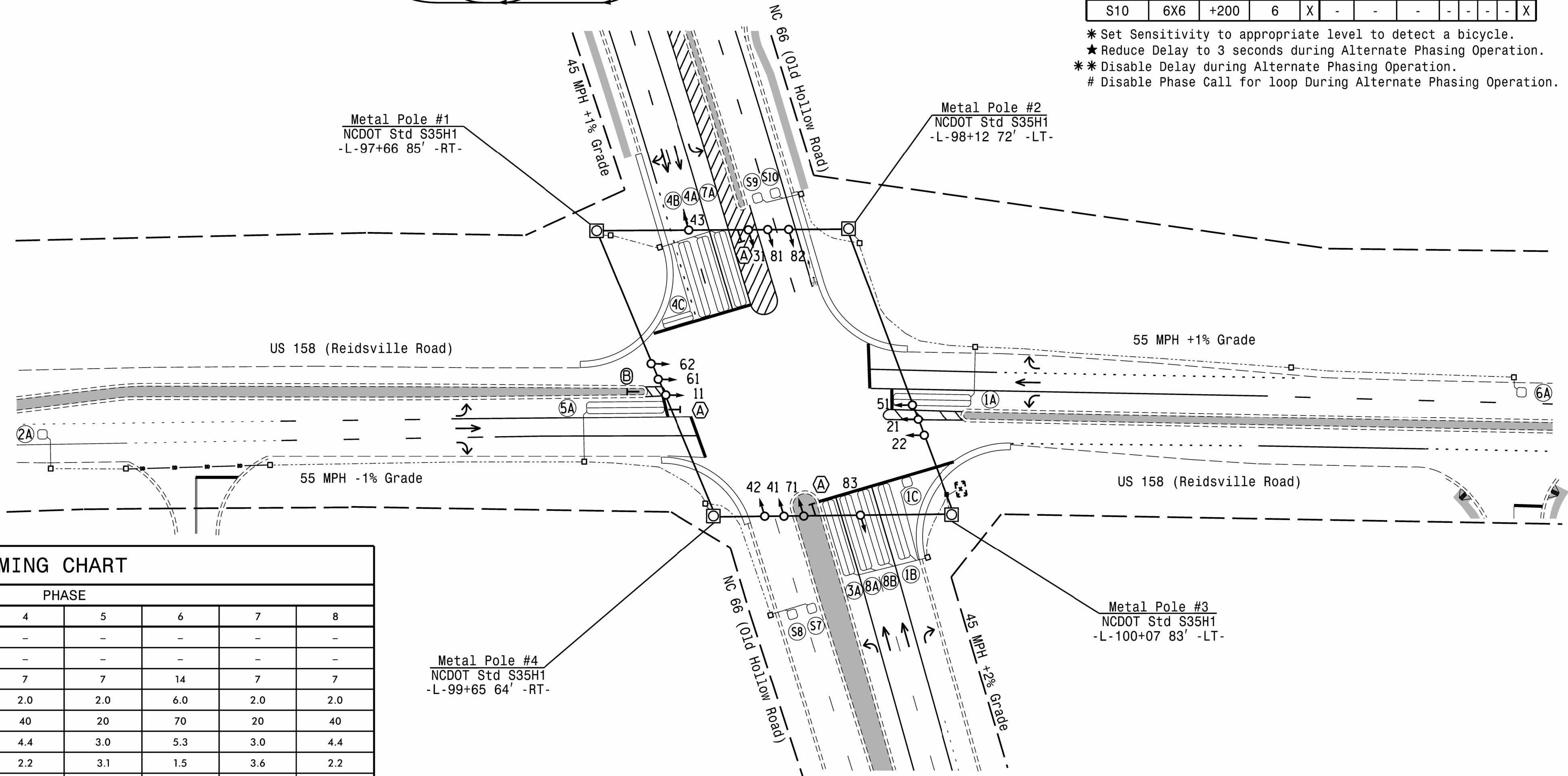
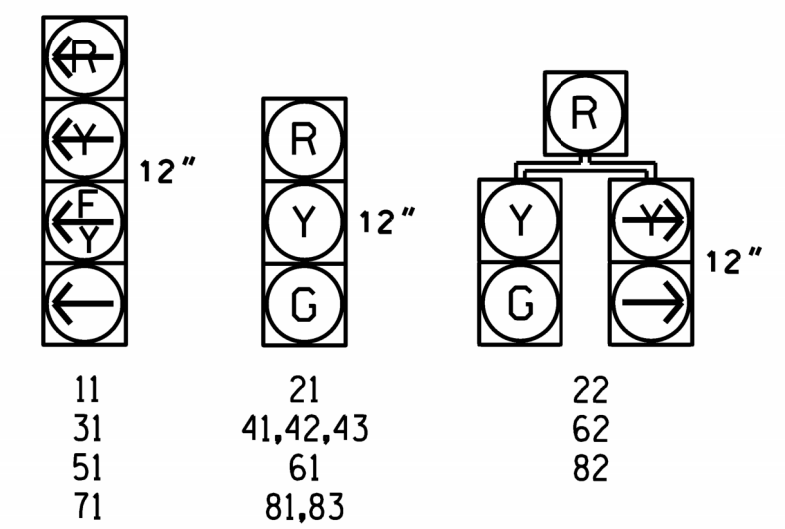
8 Phase Fully Actuated (Old Hollow Road CLS) Signal System #: D09-29\_Walkertown

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.
- 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.

All Heads L.E.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 I *	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	3.1	1.5	3.4	2.2	3.1	1.5	3.6	2.2
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
	N/A
	N/A
N/A	
N/A	
N/A	

Signal Upgrade - Final Design

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)		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:	REVISIONS INIT. DATE