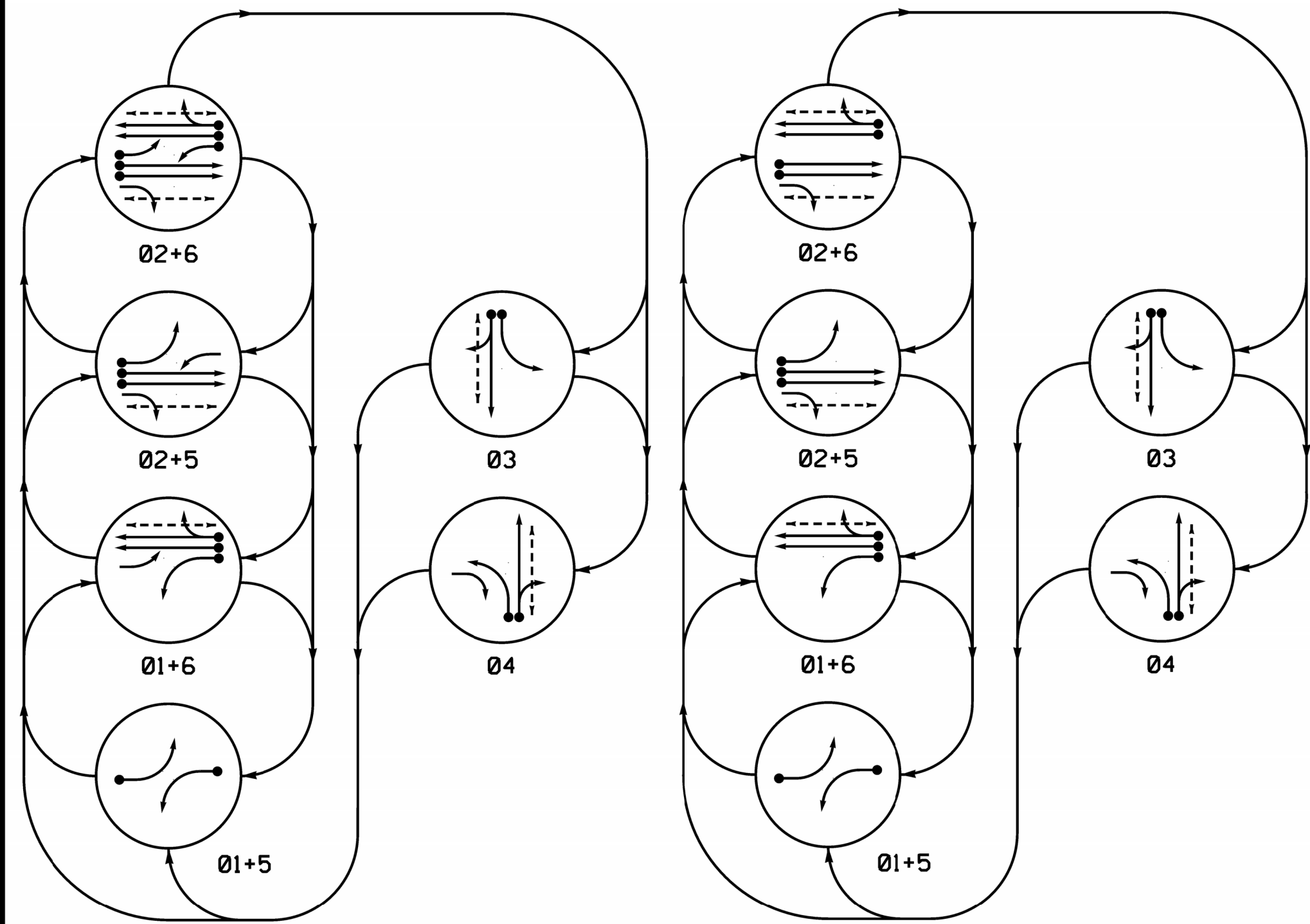


DEFAULT PHASING DIAGRAM

ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- ← ● → DETECTED MOVEMENT
- ← ○ → UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ← - - - → PEDESTRIAN MOVEMENT

DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	02+5	02+6	03	04	FLASH
11		F	F	R	R	Y
21,22	R	R	G	G	R	R
23	R	R	F	F	R	Y
31	R	R	R	G	R	R
32,33	R	R	R	G	R	R
41	R	R	R	R	G	R
42,43	R	R	R	R	G	R
51	F	F	R	R	Y	
61,62	R	G	R	G	R	Y
P21,P22	DW	DW	W	DW	DW	DRK
P31,P32	DW	DW	DW	W	DW	DRK
P41,P42	DW	DW	DW	DW	W	DRK
P61,P62	DW	W	DW	W	DW	DRK

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	02+5	02+6	03	04	FLASH
11			R	R	R	Y
21,22	R	R	G	G	R	Y
23	R	R	F	F	R	Y
31	R	R	R	R	G	R
32,33	R	R	R	R	G	R
41	R	R	R	R	G	R
42,43	R	R	R	R	G	R
51		R			R	Y
61,62	R	G	R	G	R	Y
P21,P22	DW	DW	W	DW	DW	DRK
P31,P32	DW	DW	DW	W	DW	DRK
P41,P42	DW	DW	DW	DW	W	DRK
P61,P62	DW	W	DW	W	DW	DRK

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	NEW CARD
1A	6X40	0	2-4-2	X	1	15.0*	-	X	-	X	-	X
2A	6X6	300	5	X	2	-	-	X	X	X	-	X
2B	6X6	300	5	X	2	-	-	X	X	X	-	X
3A	6X40	0	2-4-2	X	3	3.0	-	X	-	X	-	X
3B	6X40	0	2-4-2	X	3	10.0	-	X	-	X	-	X
4A	6X40	0	2-4-2	X	4	-	-	X	-	X	-	X
4B	6X40	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	300	5	X	6	-	-	X	X	X	-	X
6B	6X6	300	5	X	6	-	-	X	X	X	-	X
S3	6X6	+200	6	X	-	-	-	-	-	-	-	X
S4	6X6	+200	6	X	-	-	-	-	-	-	-	X
S13	6X6	+200	6	X	-	-	-	-	-	-	-	X
S14	6X6	+200	6	X	-	-	-	-	-	-	-	X

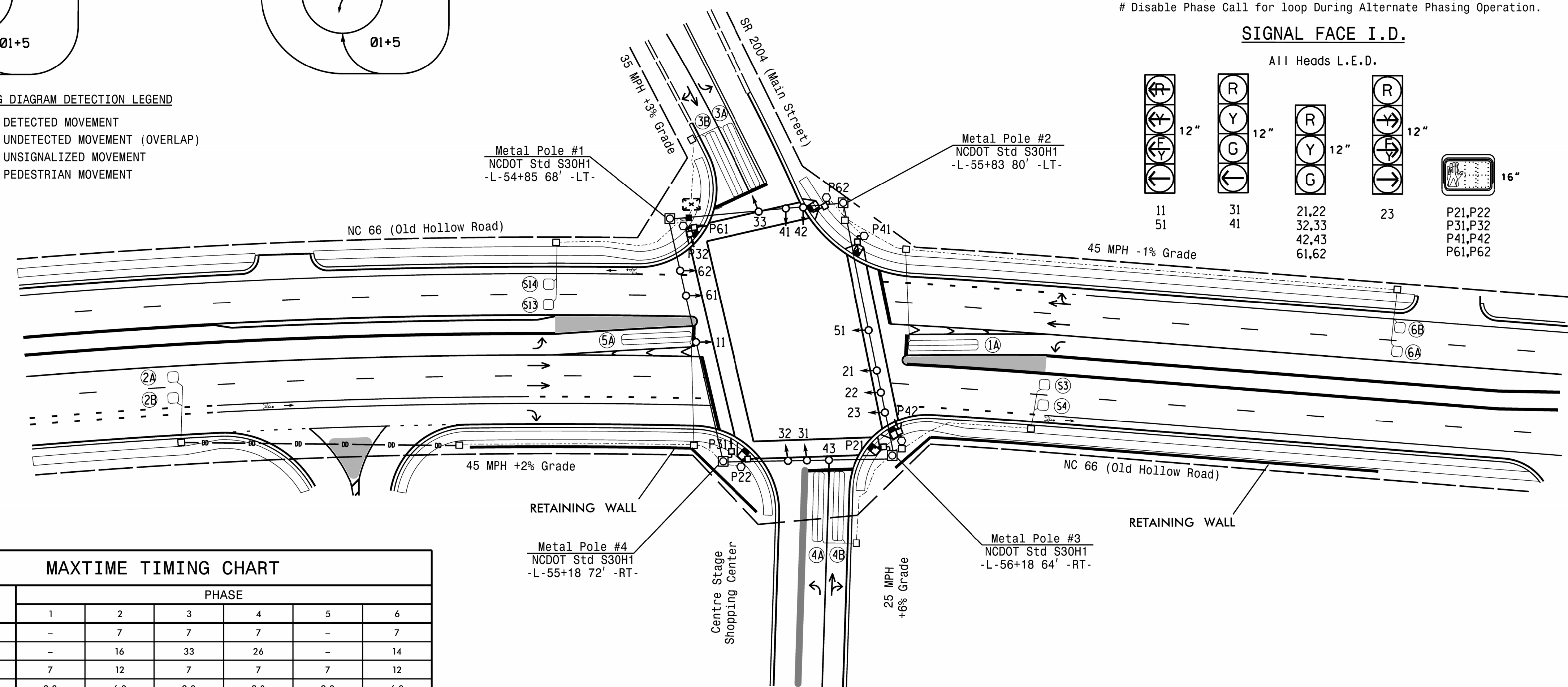
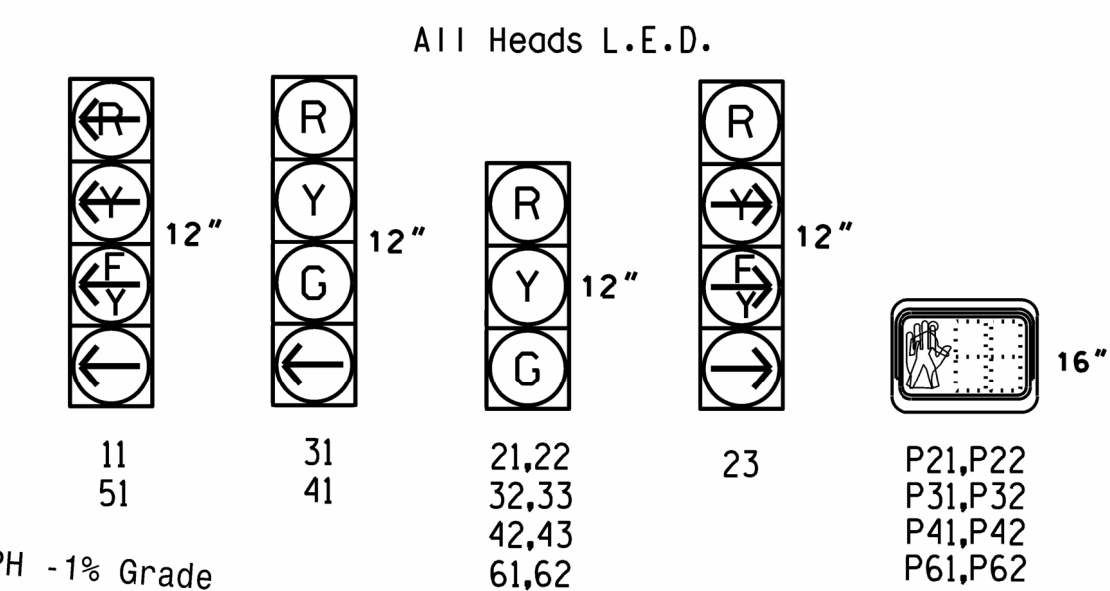
* Reduce Delay to 3 seconds during Alternate Phasing Operation.
Disable Phase Call for loop During Alternate Phasing Operation.

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

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. The order of phase 3 and phase 4 may be reversed.
5. Set all detector units to presence mode.
6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
8. Metal poles, pedestal poles, and pedestrian signal heads shall be black in color. Vehicle signal heads shall be standard yellow in color.
9. The Division Traffic Engineer will determine the hours of use for each phasing plan.
10. 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					
	1	2	3	4	5	6
Walk *	-	7	7	7	-	7
Ped Clear *	-	16	33	26	-	14
Min Green *	7	12	7	7	7	12
Passage *	2.0	6.0	2.0	2.0	2.0	6.0
Max 1 *	20	50	30	25	20	50
Yellow Change	3.0	4.6	3.7	3.0	3.0	4.6
Red Clear	3.3	1.7	2.9	3.6	2.9	1.7
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	-	3	3	3	-	3
Non Lock Detector	X	-	X	X	X	-
Vehicle Recall	-	MIN RECALL	-	-	-	MIN RECALL
Dual Entry	-	-	-	-	-	-

* 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 | ● → N/A |
| ● → Modified Signal Head | - - Sign |
| □ → Pedestrian Signal Head With Push Button & Sign | ■ → |
| ○ → Metal Strain Pole | ○ → |
| ○ → Type II Signal Pedestal | ● → |
| □ → Inductive Loop Detector | □ → |
| □ → Controller & Cabinet Junction Box | ■ → |
| - - - 2-in Underground Conduit | - - - N/A |
| → Directional Drill | → N/A |
| → Right of Way | → |
| → Directional Arrow | → |
| → Curb Ramp | → |

Signal Upgrade - Final Design

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, Garner, NC 27529

NC 66 (Old Hollow Road)
at
SR 204 (Main Street) /
Centre Stage Shopping Center
Division 9 Forsyth County Walkertown

PLAN DATE: August 2023 REVIEWED BY: E. Sirgany
PREPARED BY: M. Parker REVIEWED BY: J. Smith

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

Edward W. Sirgany
9/7/2023
DATE

SIG. INVENTORY NO. 09-0589