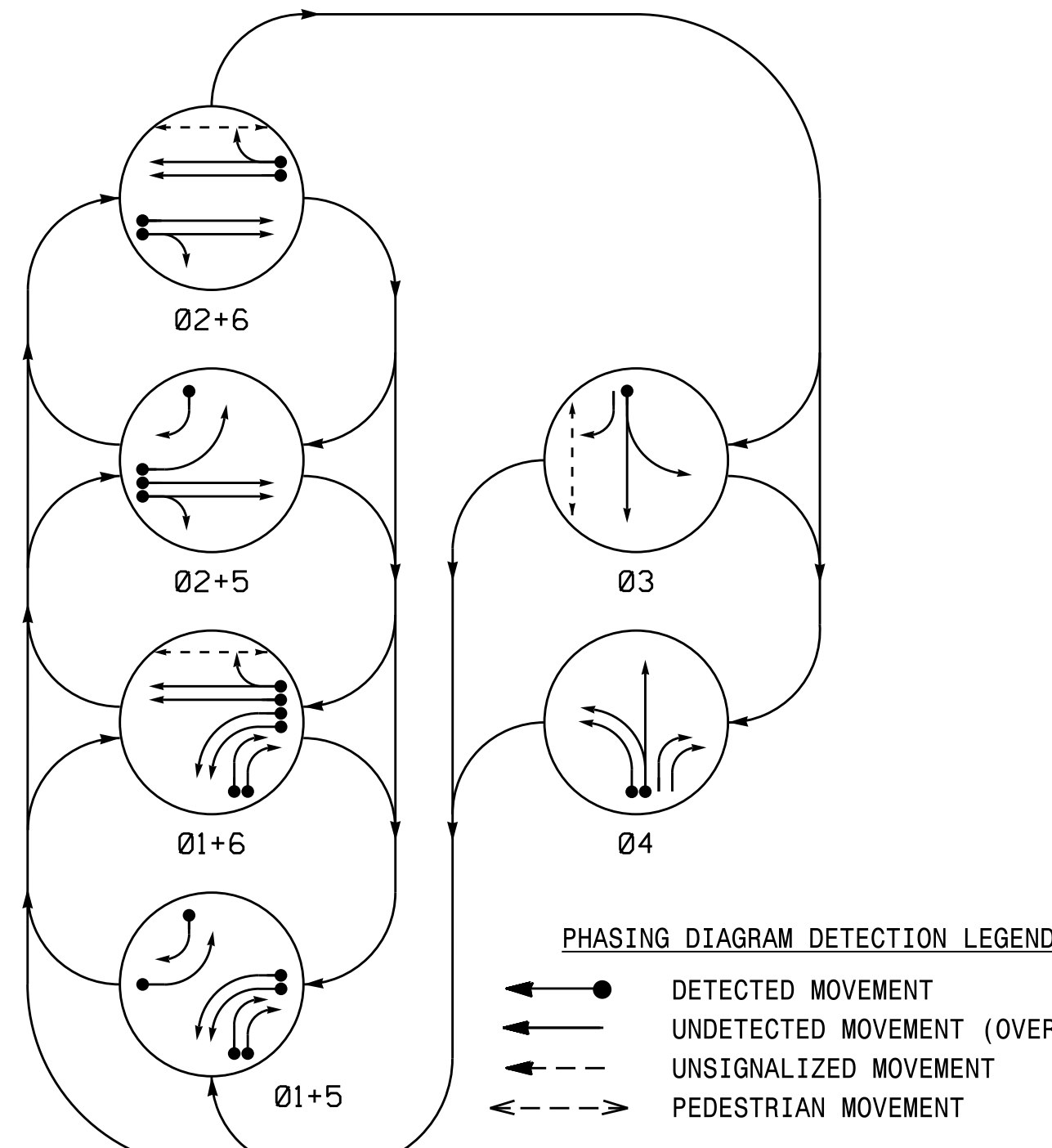


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

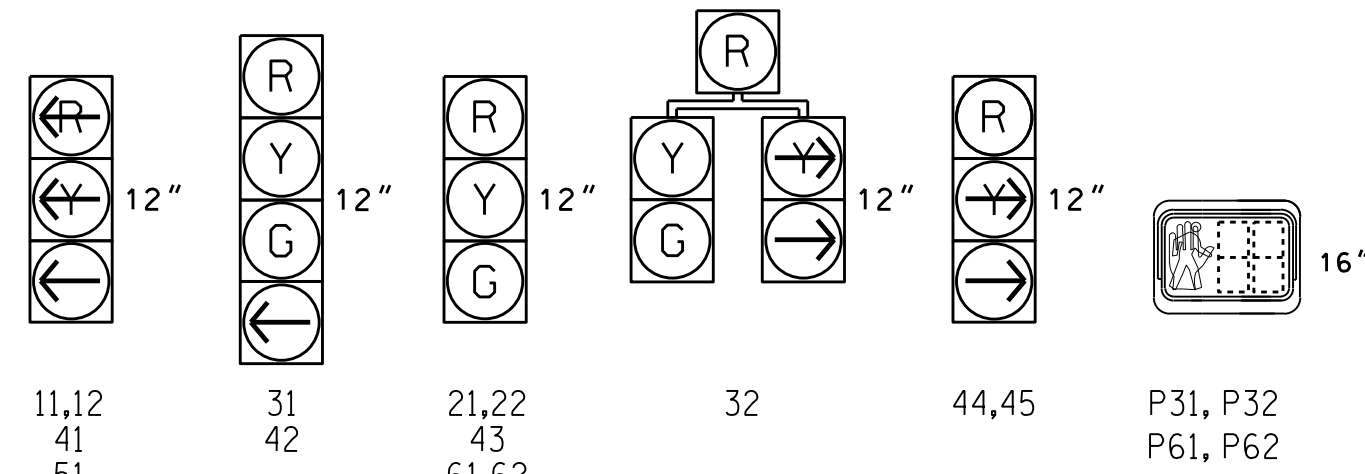
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	03	04
11,12	←	←	←	←	←	←
21,22	R	R	G	G	R	R
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41	R	R	R	R	R	←
42	R	R	R	R	R	G
43	R	R	R	R	R	G
44,45	←	←	R	R	R	←
51	←	R	←	R	R	←
61,62	R	G	R	G	R	Y
P31, P32	DW	DW	DW	DW	W	DRK
P61, P62	DW	W	DW	W	DW	DRK

W - Walk
DW - Don't Walk
DRK - Dark

SIGNAL FACE I.D.

All Heads L.E.D.

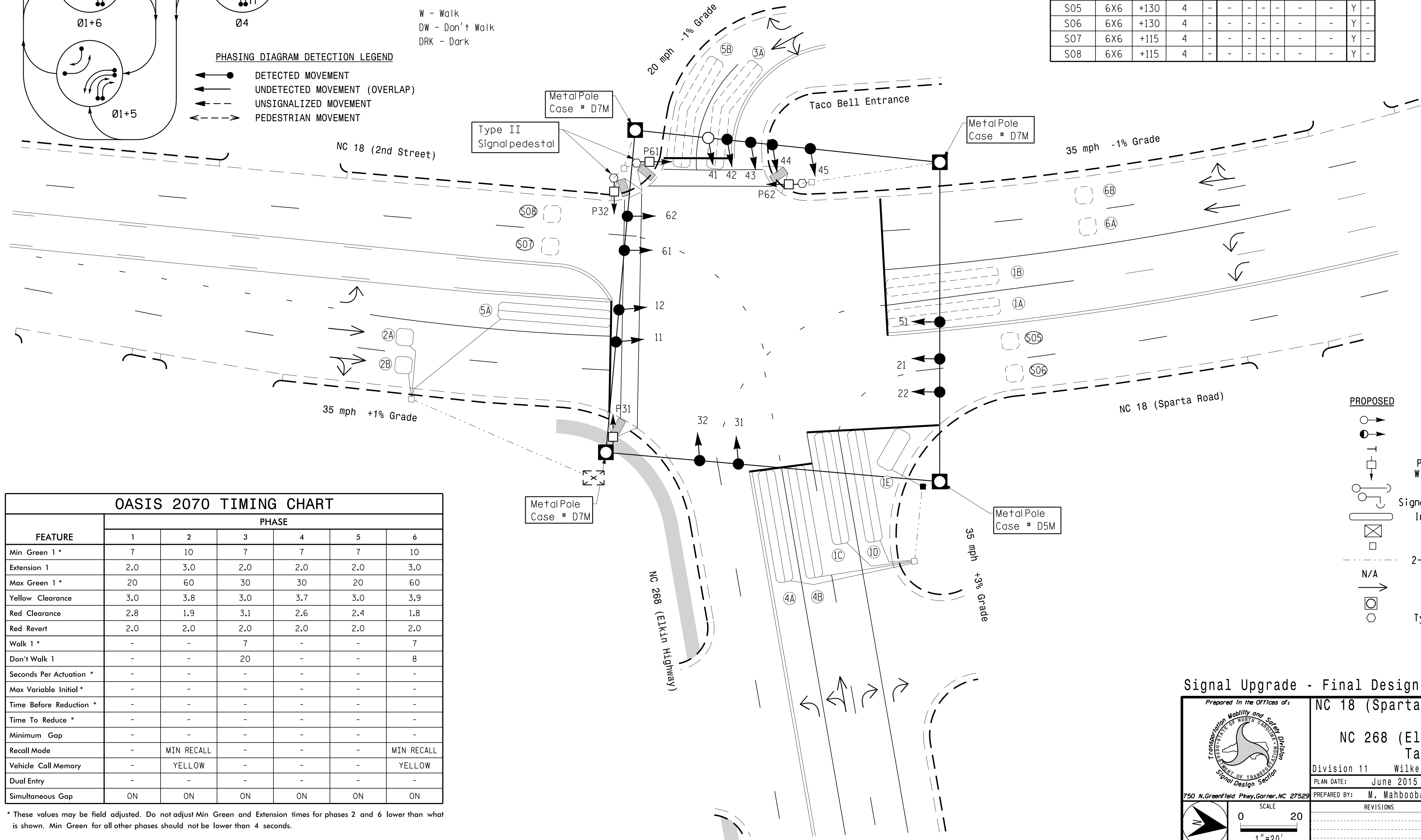


LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING						
				NEW LOOP	PHASE	CALLING EXTENSION	STRETCH DELAY	STRETCH TIME	DELAY TIME	
1A	6X40	0	2-4-2	-	1	Y	Y	-	3	-
1B	6X40	0	2-4-2	-	1	Y	Y	-	-	-
1C	6X40	0	2-4-2	Y	1	Y	Y	-	10	-
1D	6X40	0	2-4-2	Y	1	Y	Y	-	15	-
1E	6X15	0	4	Y	1	Y	Y	-	15	-
2A,2B	6X6	70	3	Y	2	Y	Y	-	-	-
3A	6X40	+4	2-4-2	-	3	Y	Y	-	3	-
4A	6X40	0	2-4-2	Y	4	Y	Y	-	3	-
4B	6X40	0	2-4-2	Y	4	Y	Y	-	-	Y
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	-
5B	6X40	+4	2-4-2	-	5	Y	Y	-	15	-
6A,6B	6X6	70	340	-	6	Y	Y	-	-	-
S05	6X6	+130	4	-	-	-	-	-	-	Y
S06	6X6	+130	4	-	-	-	-	-	-	Y
S07	6X6	+115	4	-	-	-	-	-	-	Y
S08	6X6	+115	4	-	-	-	-	-	-	Y

6 Phase Fully Actuated NC 18-268 (2nd St) CLS

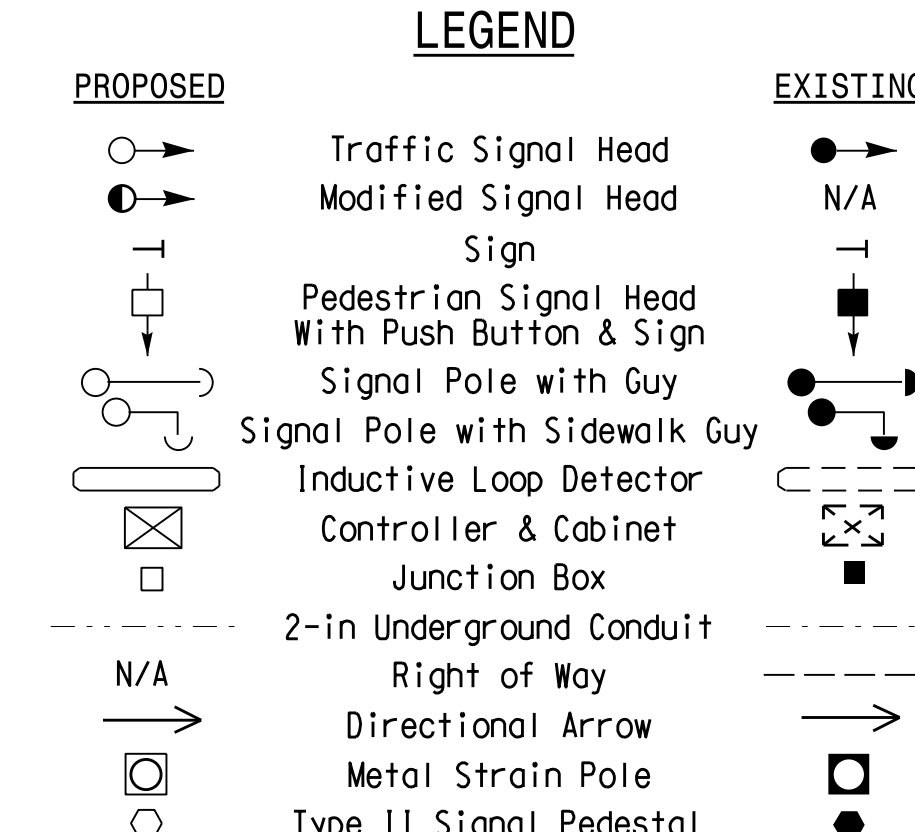
NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian calls to countdown the flashing "Don't Walk" time only.
- Pedestrian pedestals are Conceptual and shown for reference only. See sheet P1-P3 for pushbutton location details.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data: Controller Asset # 0928.



FEATURE	PHASE					
	1	2	3	4	5	6
Min Green 1*	7	10	7	7	7	10
Extension 1	2.0	3.0	2.0	2.0	2.0	3.0
Max Green 1*	20	60	30	30	20	60
Yellow Clearance	3.0	3.8	3.0	3.7	3.0	3.9
Red Clearance	2.8	1.9	3.1	2.6	2.4	1.8
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1*	-	-	7	-	-	7
Don't Walk 1	-	-	20	-	-	8
Seconds Per Actuation*	-	-	-	-	-	-
Max Variable Initial*	-	-	-	-	-	-
Time Before Reduction*	-	-	-	-	-	-
Time To Reduce*	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON	ON	ON

* 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.



Signal Upgrade - Final Design

Prepared In the Offices of: **TRANSPORTATION MOBILITY AND SAFETY SOLUTIONS**

750 N. Greenfield Pkwy, Garner, NC 27529

NC 18 (Sparta Road/2nd Street) at NC 268 (Elkin Highway) / Taco Bell

Division 11 Wilkes County North Wilkesboro

PLAN DATE: June 2015 REVIEWED BY: Z. Little

PREPARED BY: M. Mahbooba REVIEWED BY:

REVISIONS: INIT. DATE

SCALE: 1"=20'

DocuSign by: **Zachary M. Little** 6/5/2015

SIG. INVENTORY NO. 11-0928

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