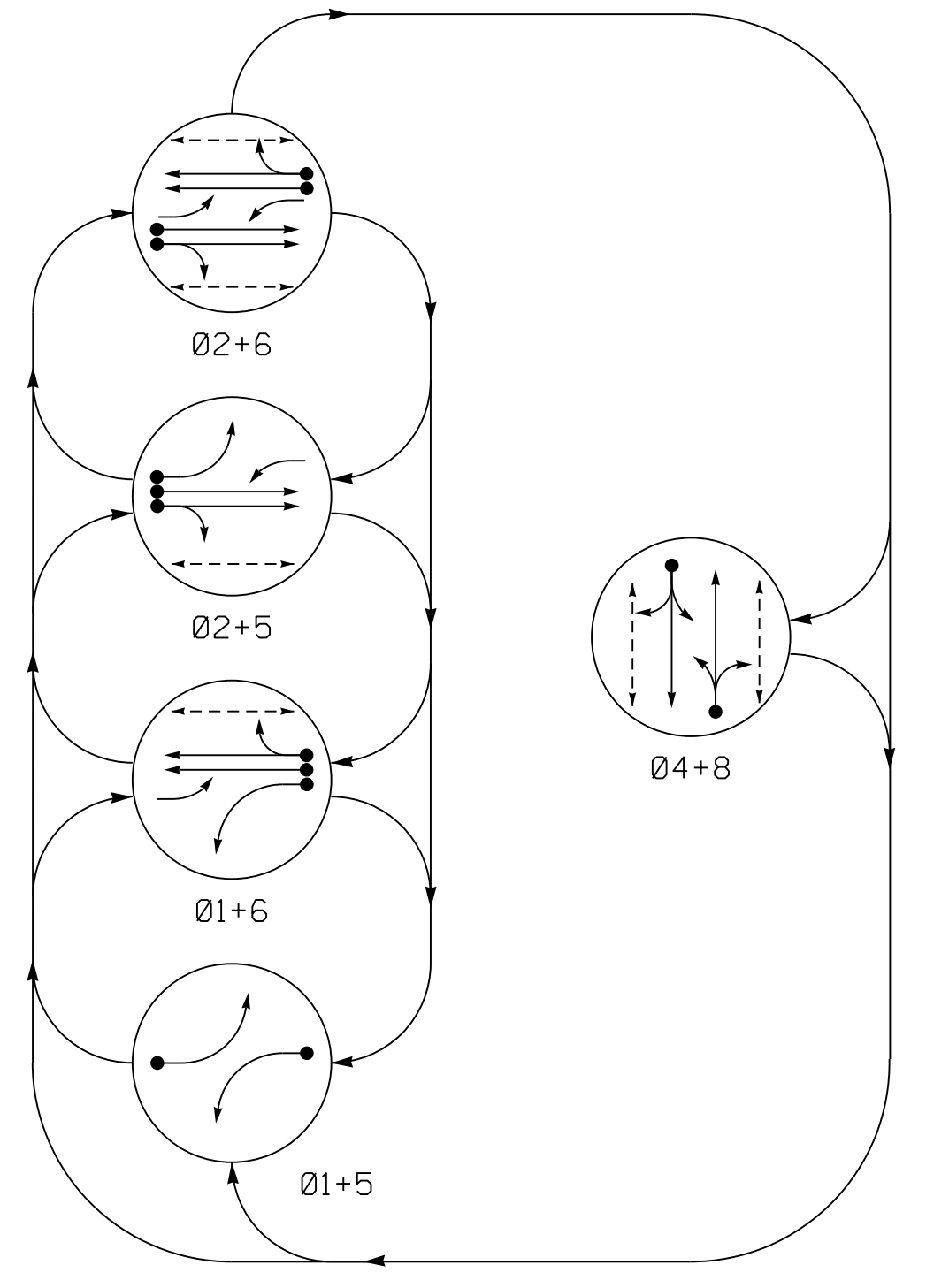


PHASING DIAGRAM



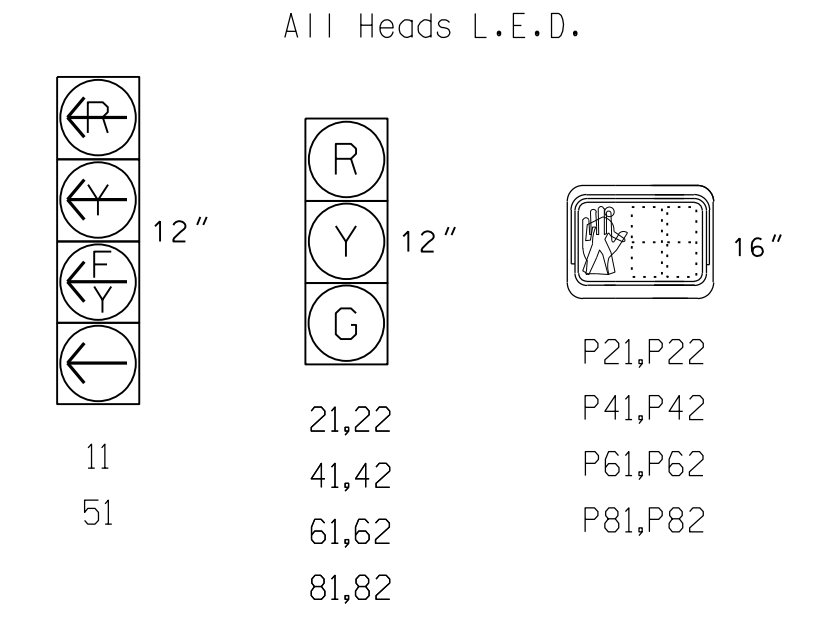
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE					FLASH
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 4+8	
11	←	→	←	→	←	→
21,22	R	R	G	G	R	Y
41,42	R	R	R	R	G	R
51	←	→	←	→	←	→
61,62	R	G	R	G	R	Y
81,82	R	R	R	R	G	R
P21,P22	DW	DW	W	W	DW	DRK
P41,P42	DW	DW	DW	DW	W	DRK
P61,P62	DW	W	DW	DW	DW	DRK
P81,P82	DW	DW	DW	DW	W	DRK

SIGNAL FACE I.D.



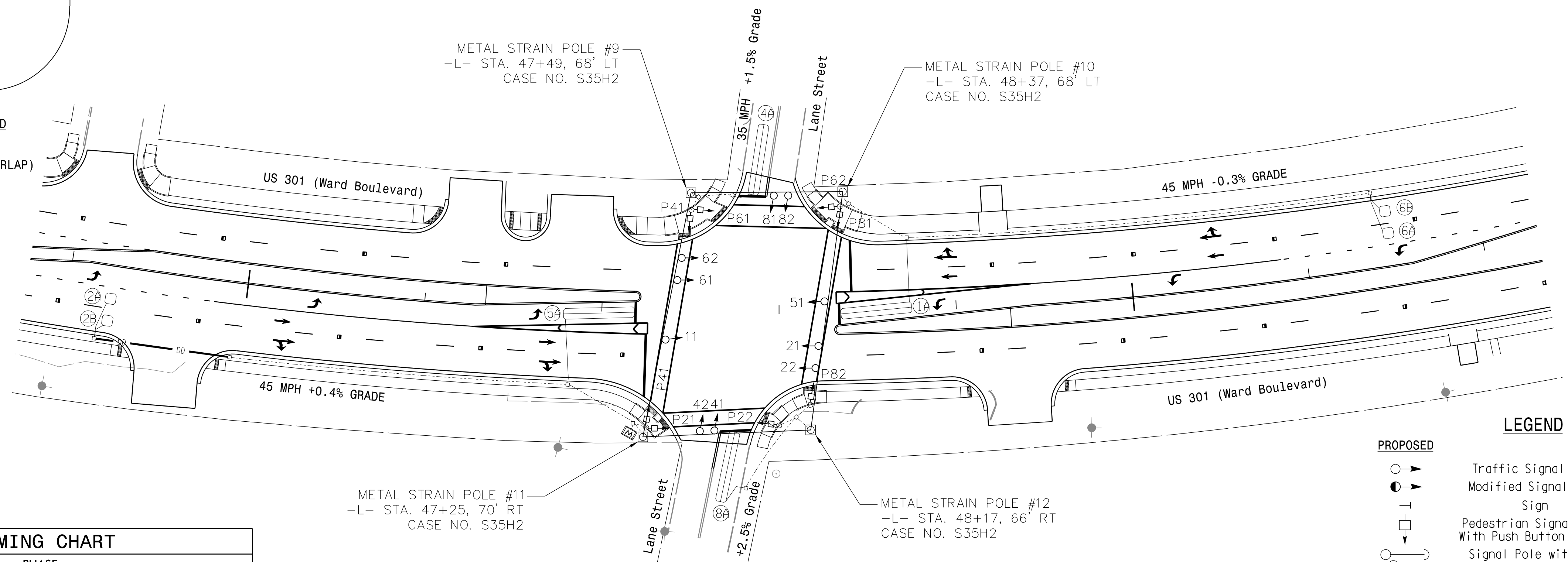
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	STRETCH TIME			DELAY TIME
1A	6x40	0	2-4-2	Y	1	Y	Y	-	15	-	Y
2A	6x6	300	5	Y	2	Y	Y	-	-	-	Y
2B	6x6	300	5	Y	2	Y	Y	-	-	-	Y
4A	6x40	0	2-4-2	Y	4	Y	Y	-	10	-	Y
5A	6x40	0	2-4-2	Y	5	Y	Y	-	15	-	Y
6A	6x6	300	5	Y	6	Y	Y	-	-	-	Y
6B	6x6	300	5	Y	6	Y	Y	-	-	-	Y
8A	6x40	0	2-4-2	Y	8	Y	Y	-	10	-	Y

5-Phase Fully Actuated US 301 (Ward Boulevard) CLS

NOTES

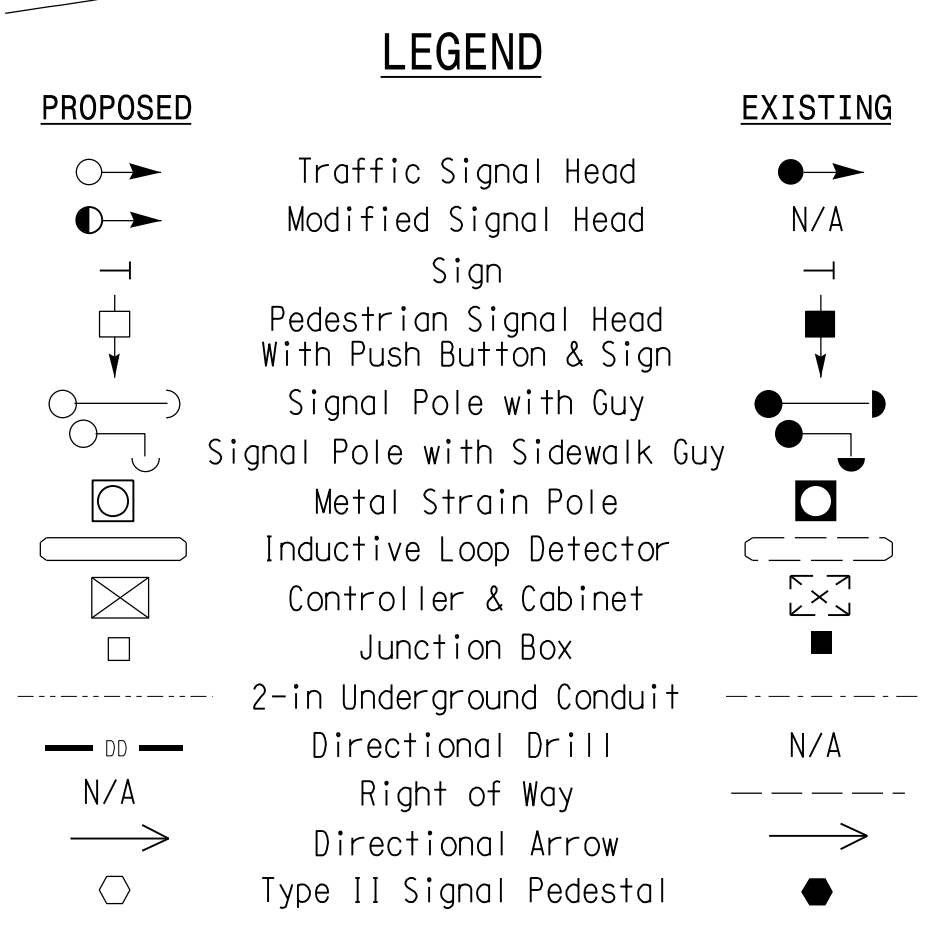
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and /or Phase 5 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "DON'T WALK" time only.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed Loop System Data: Master Asset #10431, Controller Asset #0454.



OASIS 2070 TIMING CHART

FEATURE	PHASE						
	1	2	4	5	6	8	
Min Green 1 *	7	12	7	7	12	7	
Extension 1 *	2.0	6.0	2.0	2.0	6.0	2.0	
Max Green 1 *	20	50	30	20	50	30	
Yellow Clearance	3.0	4.6	3.8	3.0	4.6	3.7	
Red Clearance	3.1	1.5	2.5	3.1	1.5	2.4	
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	
Walk 1 *	-	4.0	4.0	-	4.0	4.0	
Don't Walk 1	-	12	24	-	13	23	
Seconds Per Actuation *	-	1.8	-	-	1.8	-	
Max Variable Initial *	-	34	-	-	34	-	
Time Before Reduction *	-	15	-	-	15	-	
Time To Reduce *	-	30	-	-	30	-	
Minimum Gap	-	3.0	-	-	3.0	-	
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-	
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-	
Dual Entry	-	-	ON	-	-	ON	
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

Michael Baker INTERNATIONAL

8000 Regency Parkway, Suite 600
Cary, North Carolina 27518
Phone: 919-463-5488
NC License No. : F-1084
MBAKERINTL.COM

US 301 (Ward Boulevard) at Lane Street

Division 4 Wilson County Wilson

PLAN DATE: June 2017 REVIEWED BY: W M Ruhssam

PREPARED BY: K M Cory REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

DocuSigned by: Kelly M Cory 8/4/2017

SIGNATURE DATE

SIG. INVENTORY NO. 04-0454

04-AUG-2017 11:01
 X:\P\03\fact\US_301\T\off\c\kms\signal\klu\5935_S10_04.dgn
 KMCORY AT NCDOT/CORRY