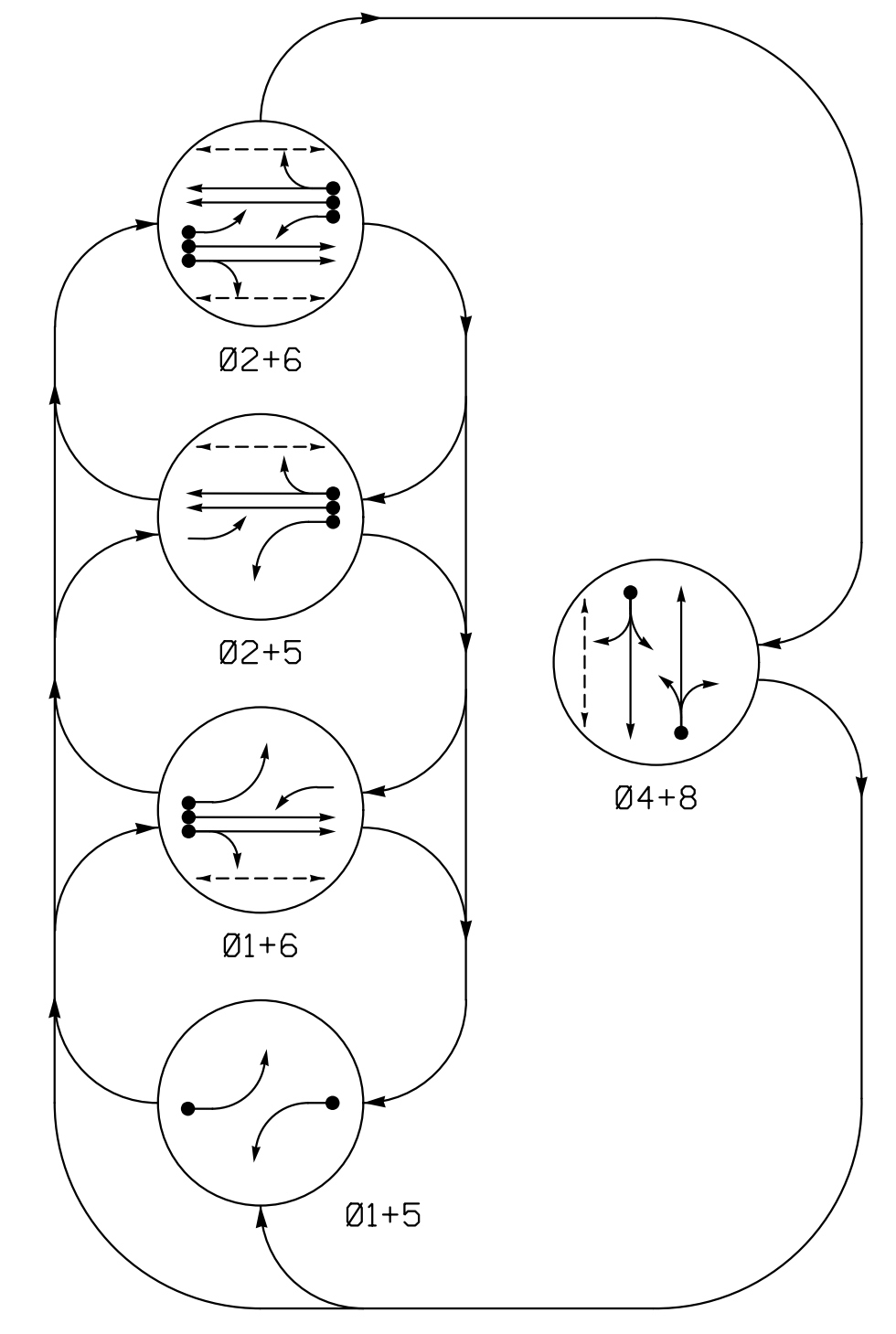
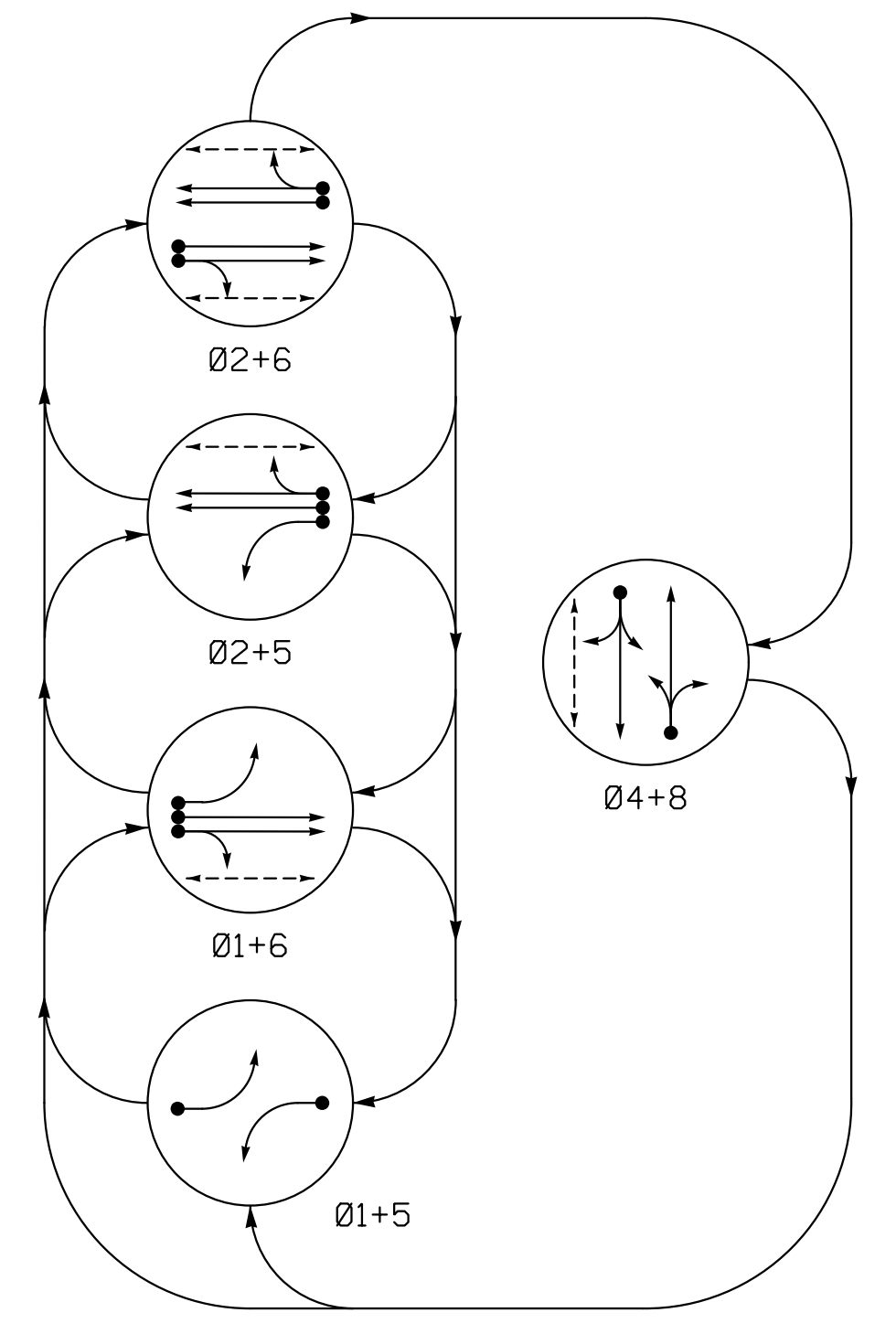


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



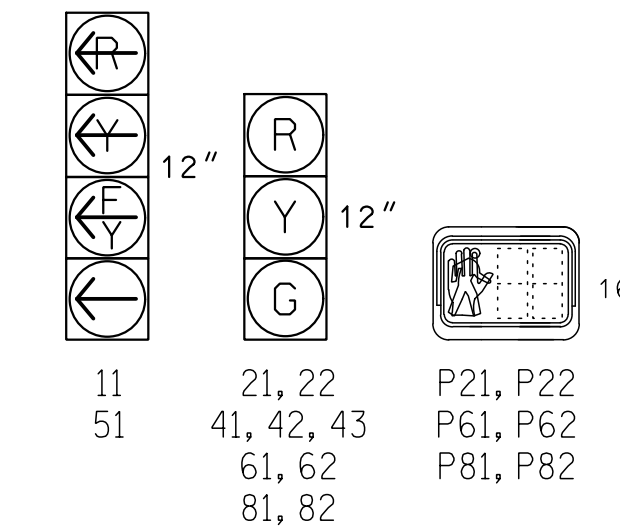
DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	04+8	PRE 3	PRE 5	FLASH
11	←	←	←	←	←	←	←	←
21, 22	R	R	G	G	R	R	G	Y
41, 42, 43	R	R	R	R	G	R	R	R
51	←	←	←	←	←	←	←	←
61, 62	R	G	R	G	R	G	R	Y
81, 82	R	R	R	R	G	R	R	R
P21, P22	DW	DW	W	W	DW	DW	DRK	
P61, P62	DW	W	DW	W	DW	DW	DRK	
P81, P82	DW	DW	DW	DW	W	DW	DRK	

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	04+8	PRE 3	PRE 5	FLASH
11	←	←	←	←	←	←	←	←
21, 22	R	R	G	G	R	R	G	Y
41, 42, 43	R	R	R	R	G	R	R	R
51	←	←	←	←	←	←	←	←
61, 62	R	G	R	G	R	G	R	Y
81, 82	R	R	R	R	G	R	R	R
P21, P22	DW	DW	W	W	DW	DW	DRK	
P61, P62	DW	W	DW	W	DW	DW	DRK	
P81, P82	DW	DW	DW	DW	W	DW	DRK	

SIGNAL FACE I.D.

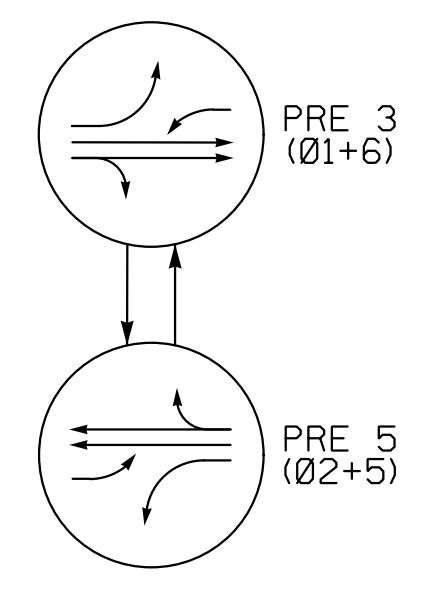


5 Phase Fully Actuated with Emergency Vehicle Preemption (Salisbury Signal System)

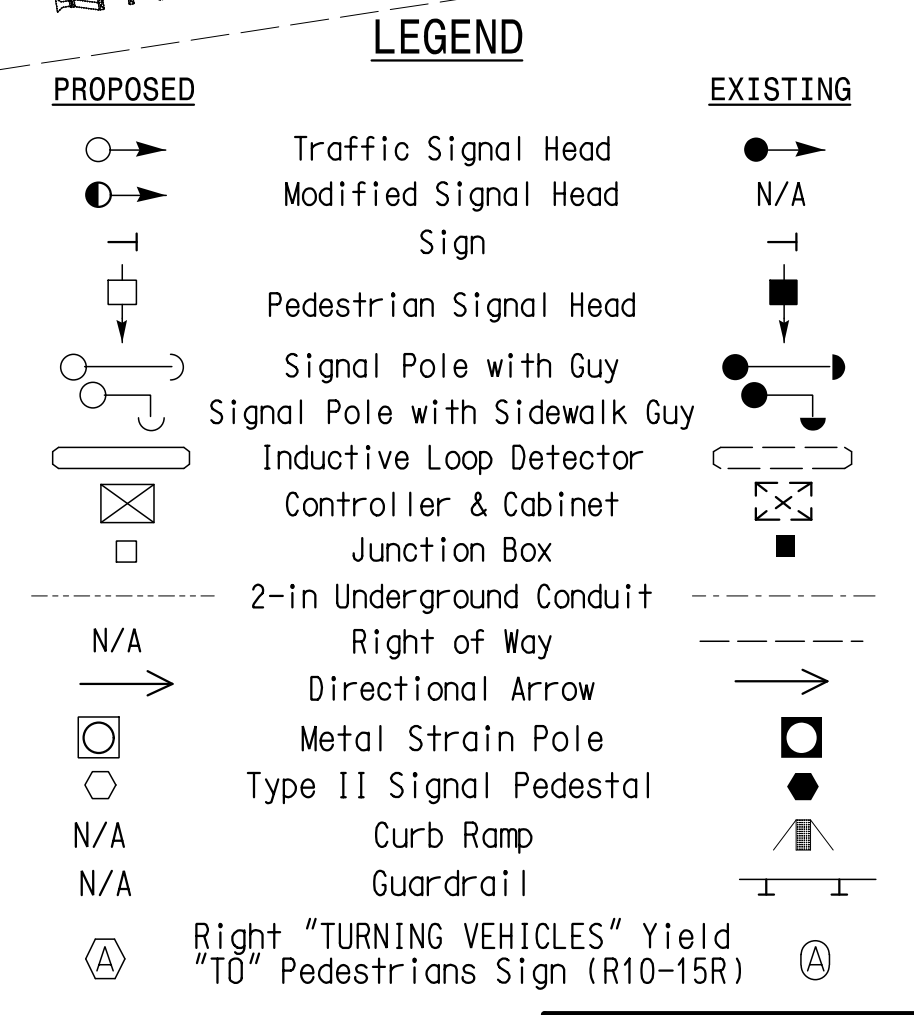
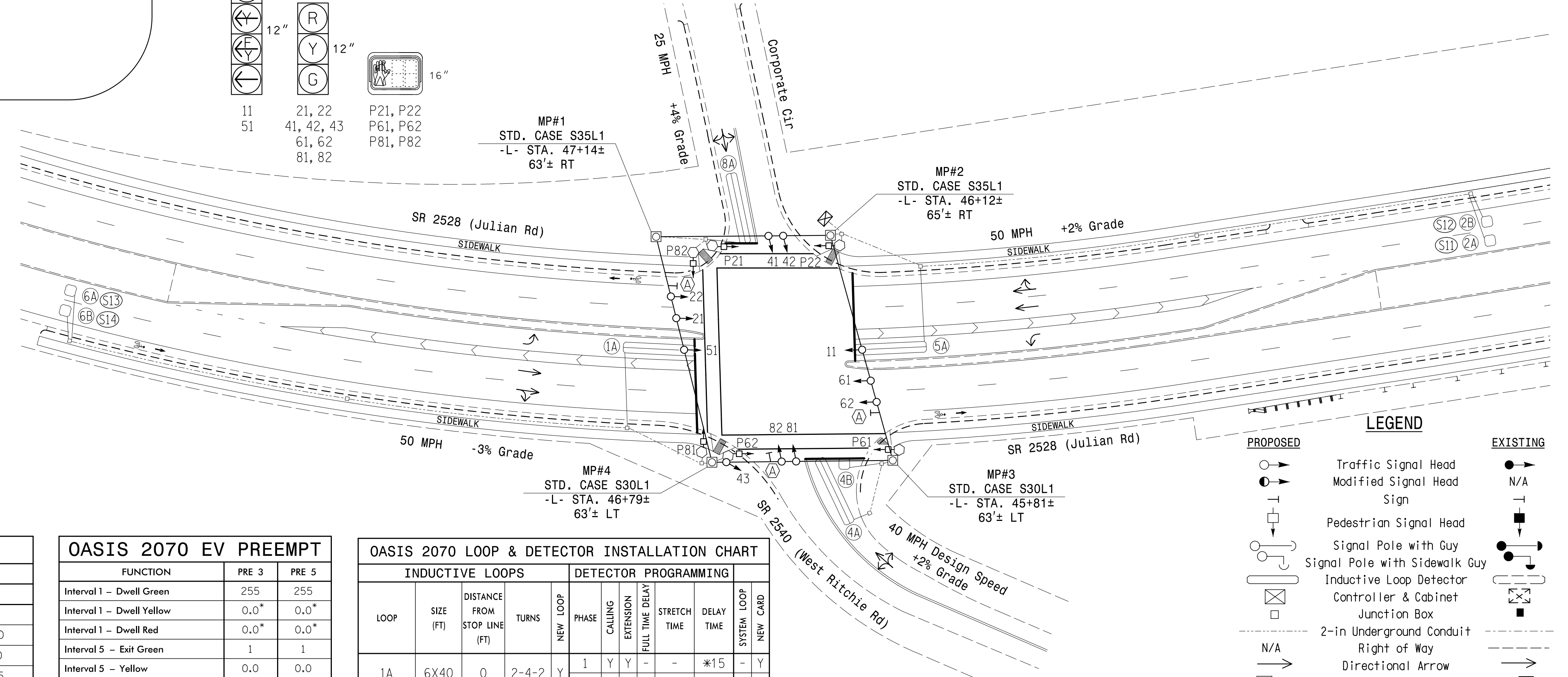
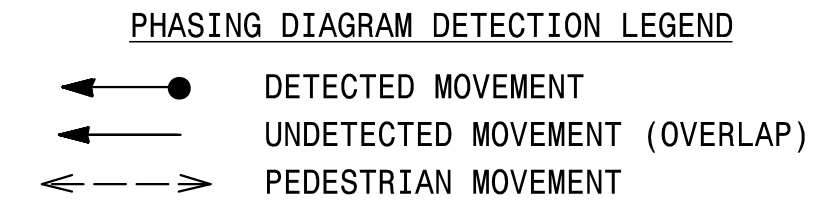
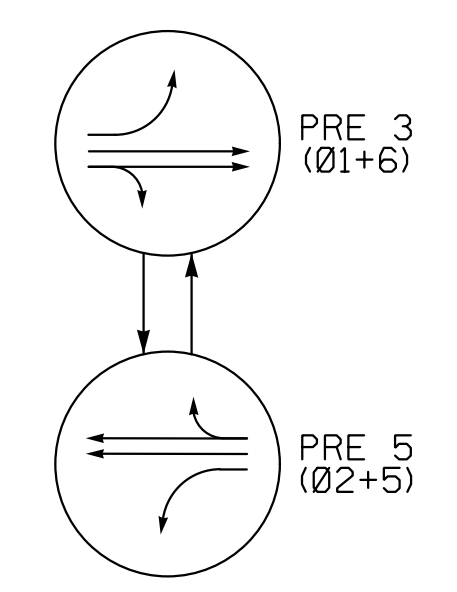
NOTES

- 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.
- 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.
- This intersection features a GPS Emergency Vehicle Preemption system.
- The Division (City) 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.

DEFAULT PHASING EV PREEMPT PHASES (Medium Priority)



ALTERNATE PHASING EV PREEMPT PHASES (Medium Priority)



OASIS 2070 TIMING CHART

FEATURE	PHASE						
	1	2	4	5	6	8	
Min Green 1 *	7	14	7	7	14	7	
Extension 1 *	2.0	6.0	2.0	2.0	6.0	2.0	
Max Green 1 *	15	90	20	15	90	20	
Yellow Clearance	3.0	5.1	4.0	3.0	5.1	3.5	
Red Clearance	2.3	1.1	2.3	2.3	1.1	3.1	
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	
Walk 1 *	-	7	-	-	7	7	
Don't Walk 1	-	14	-	-	20	26	
Seconds Per Actuation *	-	2.5	-	-	2.5	-	
Max Variable Initial *	-	40	-	-	40	-	
Time Before Reduction *	-	15	-	-	15	-	
Time To Reduce *	-	30	-	-	30	-	
Minimum Gap	-	3.0	-	-	3.0	-	
Recall Code	-	MIN RECALL	-	-	MIN RECALL	-	
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-	
Dual Entry	-	-	ON	-	-	ON	
Simultaneous Gap	ON	ON	ON	ON	ON	ON	

OASIS 2070 EV PREEMPT

FUNCTION	PRE 3	PRE 5
Interval 1 - Dwell Green	255	255
Interval 1 - Dwell Yellow	0.0*	0.0*
Interval 1 - Dwell Red	0.0*	0.0*
Interval 5 - Exit Green	1	1
Interval 5 - Yellow	0.0	0.0
Interval 5 - Red	0.0	0.0
Exit Phase(s)	2+6	2+6
Priority	MED	MED
Delay Time	0.0	0.0
Min Green Before Pre	1	1
Ped Clear Before Pre	0*	0*
Yellow Clear Before Pre	0.0*	0.0*
Red Clear Before Pre	0.0*	0.0*
Dwell Min Time	7	7
Dwell Max Time (Minutes)	2	2
Enable Backup Protection	N	N
Ped Clear Through Yellow	Y	Y
Omit Overlaps	-	-
Preempt Extend**	2	2

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	*15	-	Y
2A/S11	6X6	355	5	Y	2	Y	Y	-	-	-	-	Y
2B/S12	6X6	355	5	Y	2	Y	Y	-	-	-	-	Y
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	10	-	Y
4B	6X6	0	3	Y	4	Y	Y	-	-	15	-	Y
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	*15	-	Y
6A/S13	6X6	355	6	Y	6	Y	Y	-	-	-	-	Y
6B/S14	6X6	355	6	Y	6	Y	Y	-	-	-	-	Y
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	10	-	Y

* Disable delay during Alternate Phasing Operation.
 # Disable Phase Call for Loop during Alternate Phasing Operation.

PREPARED IN THE OFFICE OF:
Accelerate Engineering, PLLC
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 Tel: 919.263.5678 Fax: 919.263.5687
 NC License No. P-1442

New Installation

SR 2528 (Julian Rd) at Corporate Cir and SR 2540 (W. Ritchie Rd)

Division 9 Rowan County Salisbury

PLAN DATE: November 2021 REVIEWED BY: B. Phillips

PREPARED BY: Z. "Gavin" Teng REVIEWED BY:

REVISIONS: INIT. DATE

SCALE: 1" = 40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL: ZHAOLONG TENG, ENGINEER, 032179

DATE: 12/3/2021

SIG. INVENTORY NO. 09-0987

* 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.