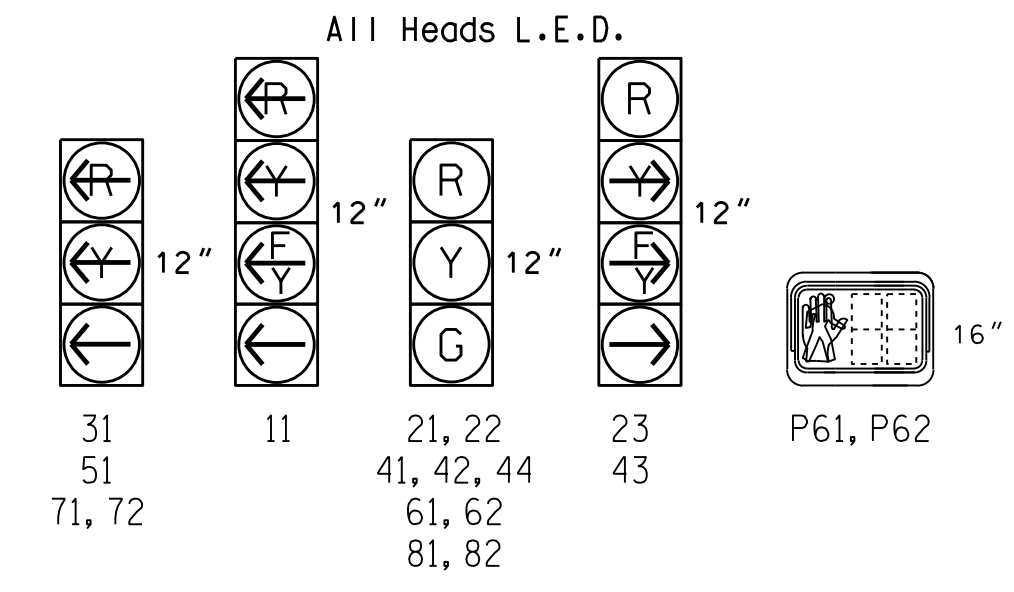


8 Phase Fully Actuated with Emergency Vehicle Preemption (Salisbury Signal System)

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP NEW CARD	
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	*15	-	Y
2A/S16	6X6	355	6	Y	2	Y	Y	-	-	-	-	Y
2B/S17	6X6	355	6	Y	2	Y	Y	-	-	-	-	Y
3A	6X40	0	2-4-2	Y	3	Y	Y	-	-	3	-	-
4A/S15	6X6	300	6	Y	4	-	Y	-	1.9	-	-	Y
4B	6X40	0	2-4-2	Y	4	Y	Y	-	-	-	-	Y
*4C	6X6	0	*5	Y	4	Y	Y	-	-	-	-	Y
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	3	-	Y
5B	6X40	0	2-4-2	Y	5	Y	Y	-	-	15	-	Y
6A/S18	6X6	355	6	Y	6	Y	Y	-	-	-	-	Y
6B/S19	6X6	355	6	Y	6	Y	Y	-	-	-	-	Y
7A	6X40	0	2-4-2	Y	7	Y	Y	-	-	-	-	Y
7B	6X40	0	2-4-2	Y	7	Y	Y	-	-	-	-	Y
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	10	-	-

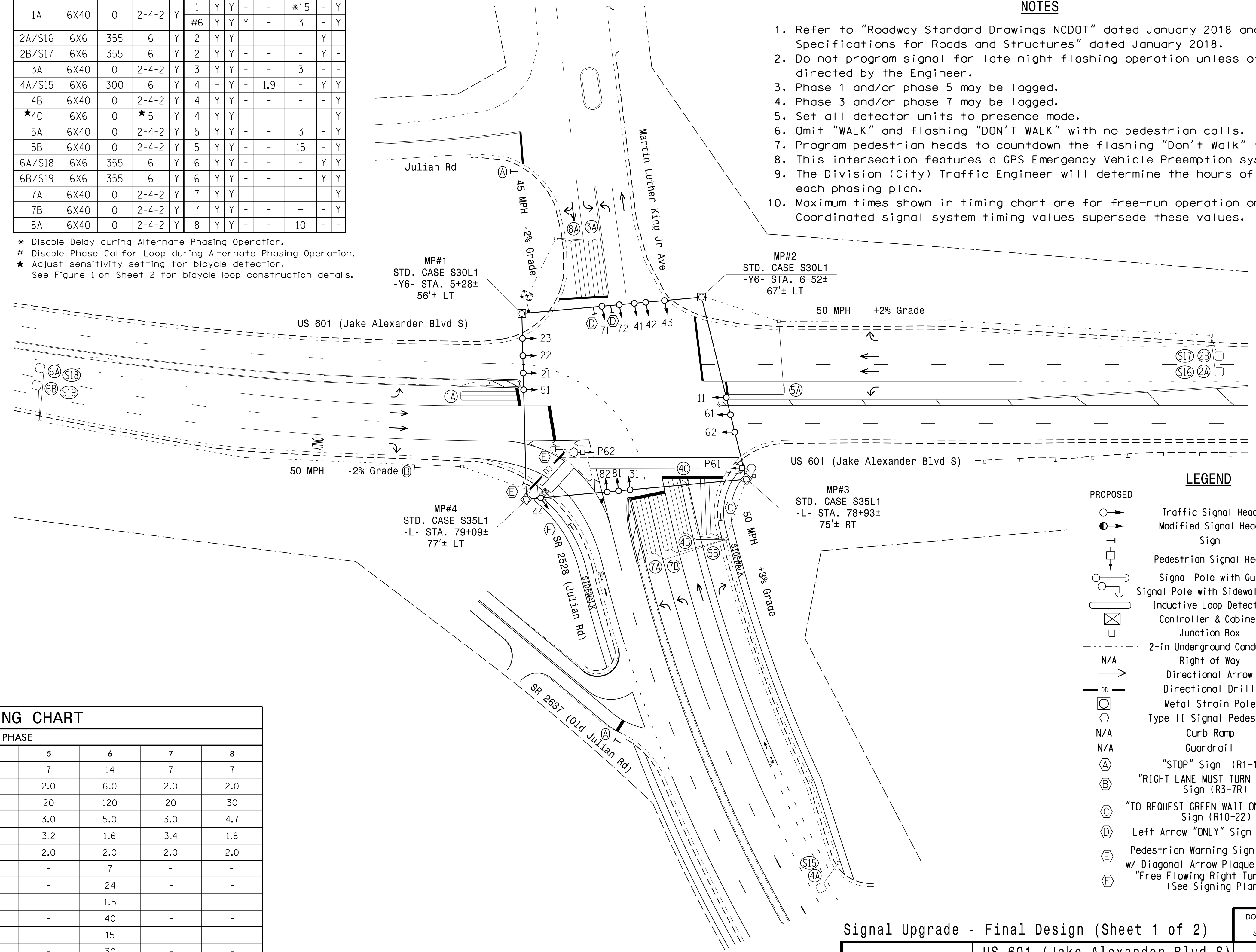
* Disable Delay during Alternate Phasing Operation.
 # Disable Phase Call for Loop during Alternate Phasing Operation.
 * Adjust sensitivity setting for bicycle detection.
 See Figure 1 on Sheet 2 for bicycle loop construction details.

OASIS 2070 EV PREEMPT				
FUNCTION	PRE 3	PRE 4	PRE 5	PRE 6
Interval 1 - Dwell Green	255	255	255	255
Interval 1 - Dwell Yellow	0.0*	0.0*	0.0*	0.0*
Interval 1 - Dwell Red	0.0*	0.0*	0.0*	0.0*
Interval 5 - Exit Green	1	1	1	1
Interval 5 - Yellow	0.0	0.0	0.0	0.0
Interval 5 - Red	0.0	0.0	0.0	0.0
Exit Phase(s)	2+6	2+6	4+8	4+8
Priority	MED	MED	MED	MED
Delay Time	0.0	0.0	0.0	0.0
Min Green Before Pre	1	1	1	1
Ped Clear Before Pre	0*	0*	0*	0*
Yellow Clear Before Pre	0.0*	0.0*	0.0*	0.0*
Red Clear Before Pre	0.0*	0.0*	0.0*	0.0*
Dwell Min Time	7	7	7	7
Dwell Max Time (Minutes)	2	2	2	2
Enable Backup Protection	N	N	N	N
Ped Clear Through Yellow	Y	Y	Y	Y
Omit Overlaps	-	-	-	-
Preempt Extend**	2	2	2	2

* Time defaults to time used for phase during normal operation
 ** Program Timing on Detection Unit

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	14	7	7	7	14	7	7
Extension 1 *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	2.0
Max Green 1 *	20	120	20	30	20	120	20	30
Yellow Clearance	3.0	5.0	3.0	4.6	3.0	5.0	3.0	4.7
Red Clearance	2.9	1.6	3.3	1.5	3.2	1.6	3.4	1.8
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-	7	-	-
Don't Walk 1	-	-	-	-	-	24	-	-
Seconds Per Actuation *	-	1.5	-	-	-	1.5	-	-
Max Variable Initial *	-	40	-	-	-	40	-	-
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	-	-	-	-	-	-	-	-
Simultaneous Gap	ON	ON	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.



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. Phase 3 and/or phase 7 may be lagged.
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. This intersection features a GPS Emergency Vehicle Preemption system.
9. The Division (City) 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.

PROPOSED		EXISTING
○	Traffic Signal Head	●
○	Modified Signal Head	N/A
○	Signal	○
○	Pedestrian Signal Head	○
○	Signal Pole with Guy	○
○	Signal Pole with Sidewalk Guy	○
○	Inductive Loop Detector	○
○	Controller & Cabinet	○
○	Junction Box	○
○	2-in Underground Conduit	○
N/A	Right of Way	○
→	Directional Arrow	→
○	Directional Drill	N/A
○	Metal Strain Pole	○
○	Type II Signal Pedestal	○
N/A	Curb Ramp	○
N/A	Guardrail	○
○	"STOP" Sign (R1-1)	○
○	"RIGHT LANE MUST TURN RIGHT" Sign (R3-7R)	○
○	"TO REQUEST GREEN WAIT ON SYMBOL" Sign (R10-22)	○
○	Left Arrow "ONLY" Sign (R3-5L)	○
○	Pedestrian Warning Sign (W11-2) w/ Diagonal Arrow Plaque (W16-7P)	○
○	"Free Flowing Right Turn" Sign (See Signing Plan)	○

Signal Upgrade - Final Design (Sheet 1 of 2)

	US 601 (Jake Alexander Blvd S) at SR 2528 (Julian Rd) and Martin Luther King Jr Ave		
	Division 9 Rowan County Salisbury		
PLAN DATE: January 2022	REVIEWED BY:		01/27/2022
PREPARED BY: I.O. Umozurike	REVIEWED BY:		
REVISIONS	INIT.	DATE	SIG. INVENTORY NO. 09-0640

27-Jan-2022 11:00
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