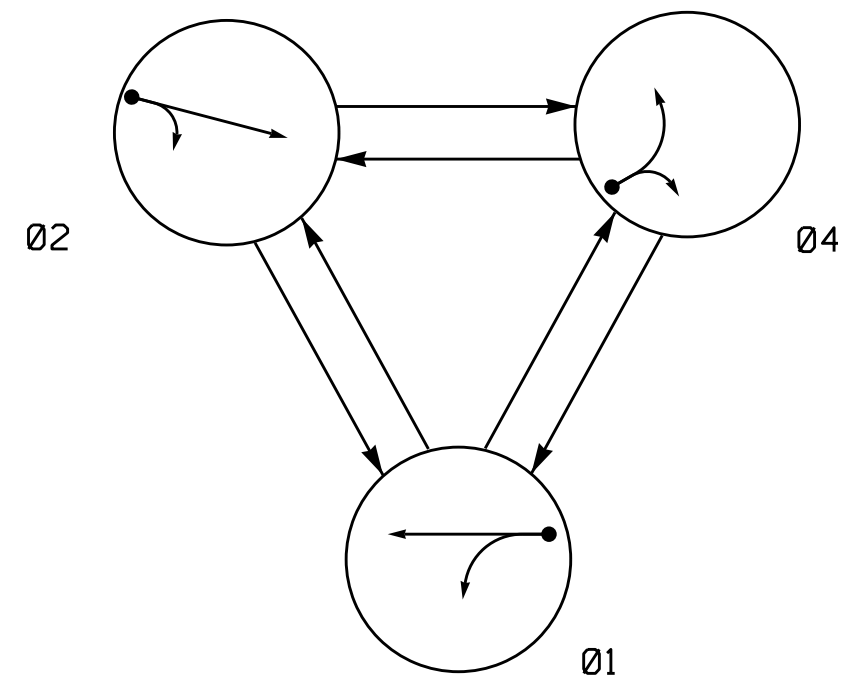


PHASING DIAGRAM

Program AllPhases for "Red Rest"



PHASING DIAGRAM DETECTION LEGEND

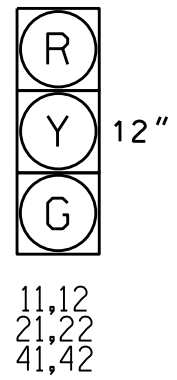
- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- ←- - -→ UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE			
	01	02	04	FLASH
11,12	G	R	R	R
21,22	R	G	R	R
41,42	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



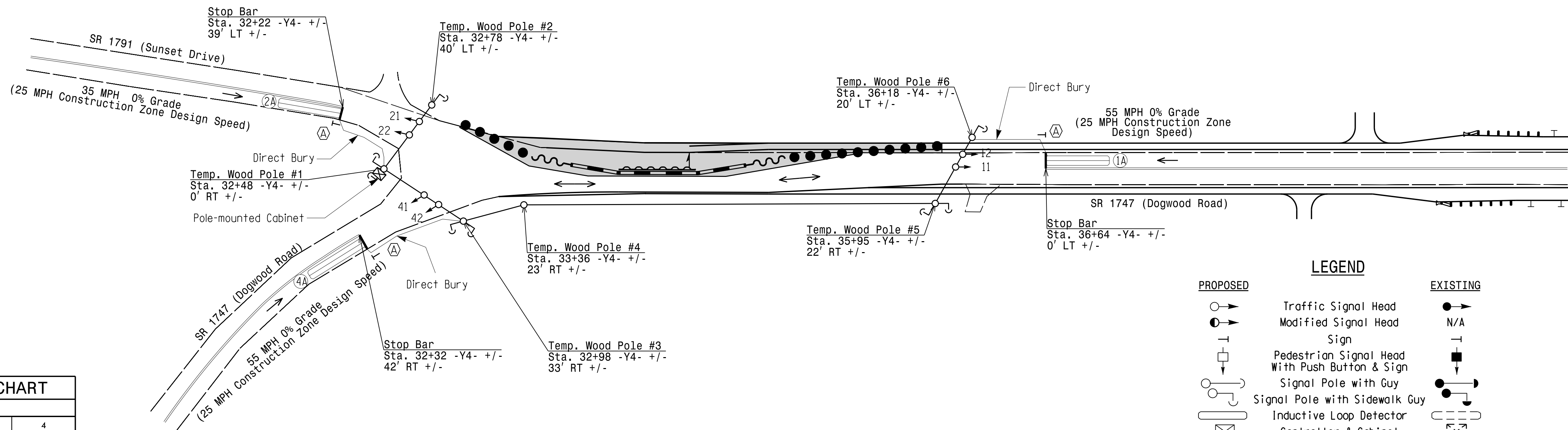
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	INDUCTIVE LOOPS		DETECTOR PROGRAMMING								
		DISTANCE FROM STOPBAR (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	-	-	-	-	Y
2A	6X40	0	2-4-2	Y	2	Y	Y	-	-	-	-	Y
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	-	-	Y

3 Phase Fully Actuated Isolated

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. Program controller to start up in phase 4 red clearance.
4. Program controller to rest in red in the absence of vehicle calls.
5. Set all detector units to presence mode.



OASIS 2070 TIMING CHART

FEATURE	PHASE		
	1	2	4
Min Green 1 *	10	10	10
Extension 1 *	2.0	2.0	2.0
Max Green 1 *	45	45	20
Yellow Clearance	5.2	3.8	5.2
Red Clearance	15.0	15.0	15.0
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	-	-	-
Max Variable Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Recall Mode	-	-	-
Vehicle Call Memory	-	-	-
Dual Entry	-	-	-
Red Rest	ON	ON	ON
Simultaneous Gap	ON	ON	ON

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 4 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

PROPOSED	EXISTING
○→ Traffic Signal Head	●→ Traffic Signal Head
○→ Modified Signal Head	N/A
↑ Sign	↑ Sign
○→ Pedestrian Signal Head With Push Button & Sign	○→ Pedestrian Signal Head
○→ Signal Pole with Guy	○→ Signal Pole with Guy
○→ Signal Pole with Sidewalk Guy	○→ Signal Pole with Sidewalk Guy
□ Inductive Loop Detector	□ Inductive Loop Detector
□ Controller & Cabinet	□ Controller & Cabinet
□ Junction Box	□ Junction Box
- - - 2-in Underground Conduit	- - - 2-in Underground Conduit
N/A Right of Way	- - - Right of Way
→ Directional Arrow	→ Directional Arrow
⊙ "STOP HERE ON RED" Sign (R10-6)	⊙ "STOP HERE ON RED" Sign (R10-6)
N/A Guardrail	- - - Guardrail
● Construction Zone Drums	● Construction Zone Drums
■ Construction Zone	■ Construction Zone

New Installation - Temporary Signal (Step 1)

	<p>SR 1747 (Dogwood Road) at SR 1791 (Sunset Drive)</p>		<p>SEAL NORTH CAROLINA PROFESSIONAL ENGINEER ZACHARY M. LITTLE 030530</p>						
	<p>Division 2 Craven County West of Havelock</p> <p>PLAN DATE: May 2019 REVIEWED BY: ZML</p> <p>PREPARED BY: KGP, Jr. REVIEWED BY:</p>	<p>5/8/2019</p>							
<p>750 N. Greenfield Pkwy, Garner, NC 27529</p>	<p>SCALE 0 40 1" = 40'</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	INIT.	DATE				<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>
NO.	INIT.	DATE							

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