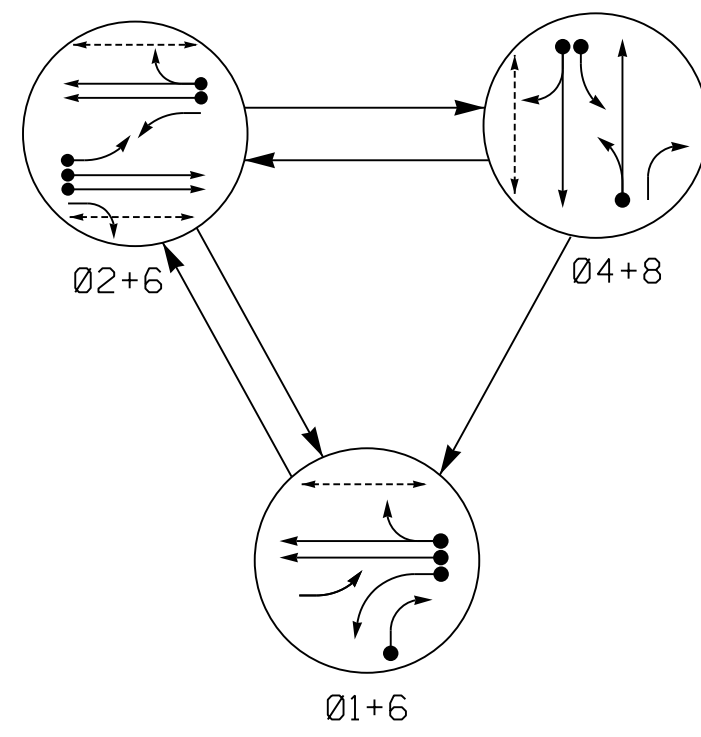


**PHASING DIAGRAM**



**PHASING DIAGRAM DETECTION LEGEND**

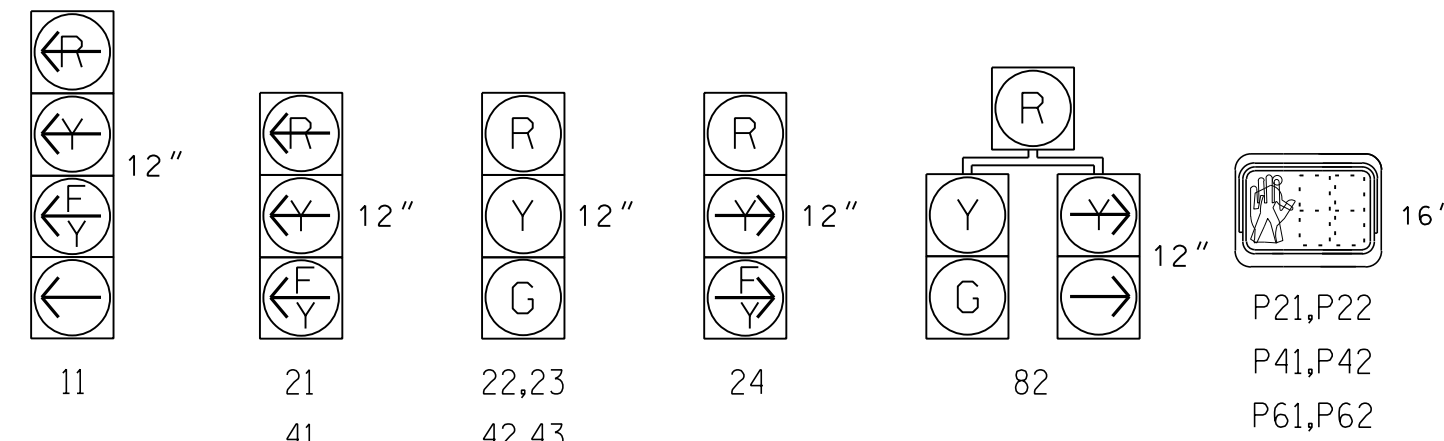
DETECTED MOVEMENT  
 UNDETECTED MOVEMENT (OVERLAP)  
 UNSIGNALIZED MOVEMENT  
 PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE			
	01+6	02+6	04+8	FLASH
11				
21				
22,23	R	G	R	R
24	R		R	R
41				
42,43	R	R	G	R
61,62	G	G	R	R
81	R	R	G	R
82		R	G	R
P21,P22	DW	W	DW	DRK
P41,P42	DW	DW	W	DRK
P61,P62	W	W	DW	DRK

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

**SIGNAL FACE I.D.**

All Heads L.E.D.

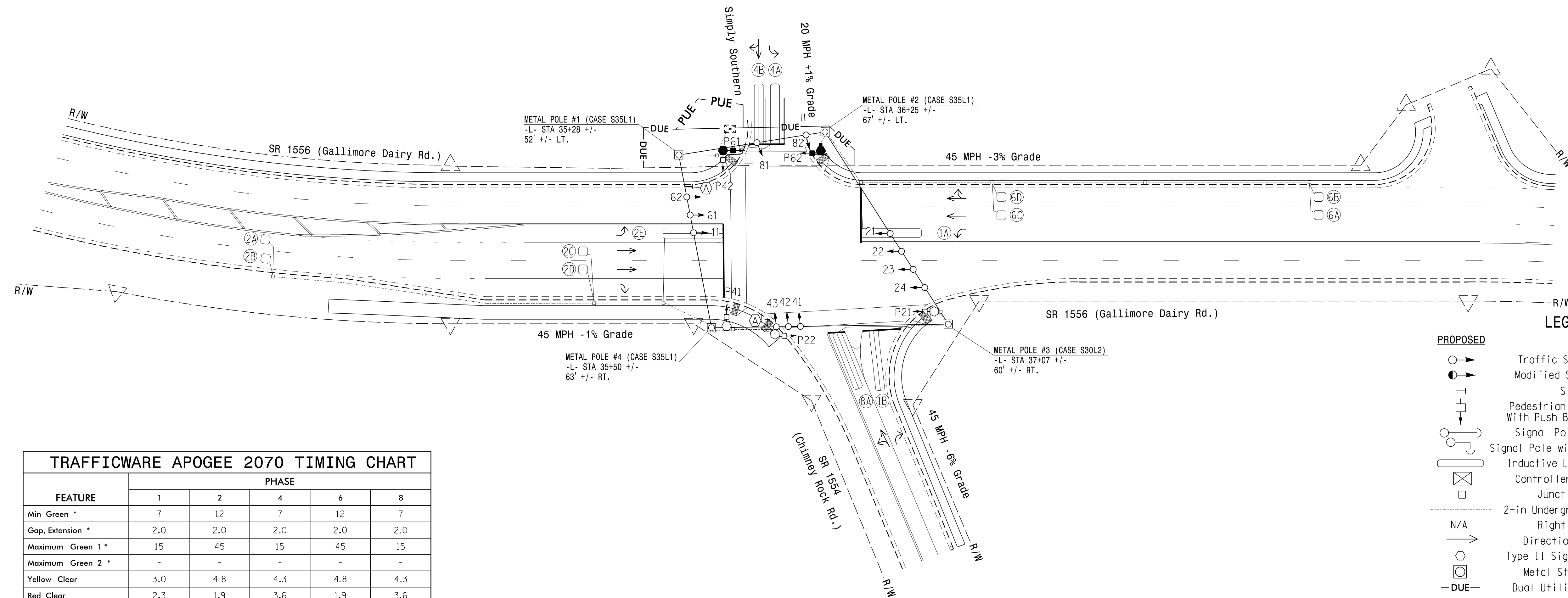


LOOP & DETECTOR UNIT INSTALLATION CHART												
TRAFFICWARE APOGEE SOFTWARE 2070 CONTROLLER												
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	SWITCH (PHASE)	DELAY TIME	STRETCH TIME	CALLING	EXTENSION ADDED INIT.	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	X	1	-	5	-	X	X	-	X
1B	6X40	0	2-4-2	X	1	-	15	-	X	X	-	X
2A	6X6	300	4	X	2	-	1.6	-	X	X	-	X
2B	6X6	300	4	X	2	-	1.6	-	X	X	-	X
2C	6X6	90	3	X	2	-	-	-	X	X	-	X
2D	6X6	90	3	X	2	-	-	-	X	X	-	X
2E	6X40	0	2-4-2	X	2	-	-	-	X	X	-	X
4A	6X40	0	2-4-2	X	4	-	2	-	X	X	-	X
4B	6X40	0	2-4-2	X	4	-	10	-	X	X	-	X
6A	6X6	300	6	X	6	-	1.6	-	X	X	-	X
6B	6X6	300	6	X	6	-	1.6	-	X	X	-	X
6C	6X6	90	5	X	6	-	-	-	X	X	-	X
6D	6X6	90	5	X	6	-	-	-	X	X	-	X
8A	6X40	0	2-4-2	X	8	-	2	-	X	X	-	X

**3 Phase Fully Actuated (Greensboro Signal System)**

**NOTES**

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specification for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 may be lagged.
- Set all detector units to presence mode.
- 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.



TRAFFICWARE APOGEE 2070 TIMING CHART					
FEATURE	PHASE				
	1	2	4	6	8
Min Green *	7	12	7	12	7
Gap, Extension *	2.0	2.0	2.0	2.0	2.0
Maximum Green 1 *	15	45	15	45	15
Maximum Green 2 *	-	-	-	-	-
Yellow Clear	3.0	4.8	4.3	4.8	4.3
Red Clear	2.3	1.9	3.6	1.9	3.6
Walk *	-	14	14	14	14
Pedestrian Clear	-	24	25	10	25
Green/Ped Delay	-	7	7	7	7
Added Initial *	-	-	-	-	-
Maximum Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Recall Mode	-	MIN RECALL	-	MIN RECALL	-
Lock Calls	-	YES	-	YES	-
Dual Entry	-	-	ON	-	ON
Simultaneous Gap	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.

**LEGEND**

PROPOSED	EXISTING
	N/A
N/A	
- DUE -	- DUE -
- PUE -	- PUE -
N/A	

**Signal Upgrade - Final Design**

<p><b>Prepared For the Offices of:</b> TRANSPORTATION MOBILITY AND SAFETY DIVISION DEPARTMENT OF TRANSPORTATION SIGNAL DESIGN SECTION</p> <p><b>750 N. Greenfield Pkwy., Garner, NC 27529</b> P: (919) 878-9550 8001 Six Forks Road Suite 700   Raleigh, North Carolina 27615-2965 NC License No. F-0112 www.rk.com Responsive People   Creative Solutions</p>	<p><b>SR 1556 (Gallimore Dairy Rd.) at SR 1554 (Chimney Rock Rd.) / Simply Southern</b></p> <p>Division 7 Guilford County Greensboro</p> <p>PLAN DATE: August 2024 REVIEWED BY: WP Erickson-Jones</p> <p>PREPARED BY: A.C. Norman REVIEWED BY:</p>		<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p><b>SEAL</b></p> <p><b>NORTH CAROLINA PROFESSIONAL ENGINEER</b></p> <p><b>W. PORTER JONES</b></p> <p>DocuSign</p> <p><b>Porter Jones</b> 8/22/2024</p> <p>SIGNATURE DATE</p> <p>SIG. INVENTORY NO. 07-1689</p>								
	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			NO.	DESCRIPTION	INIT.	DATE				
	NO.	DESCRIPTION		INIT.	DATE						
<p>SCALE: 0 40 1" = 40'</p>											