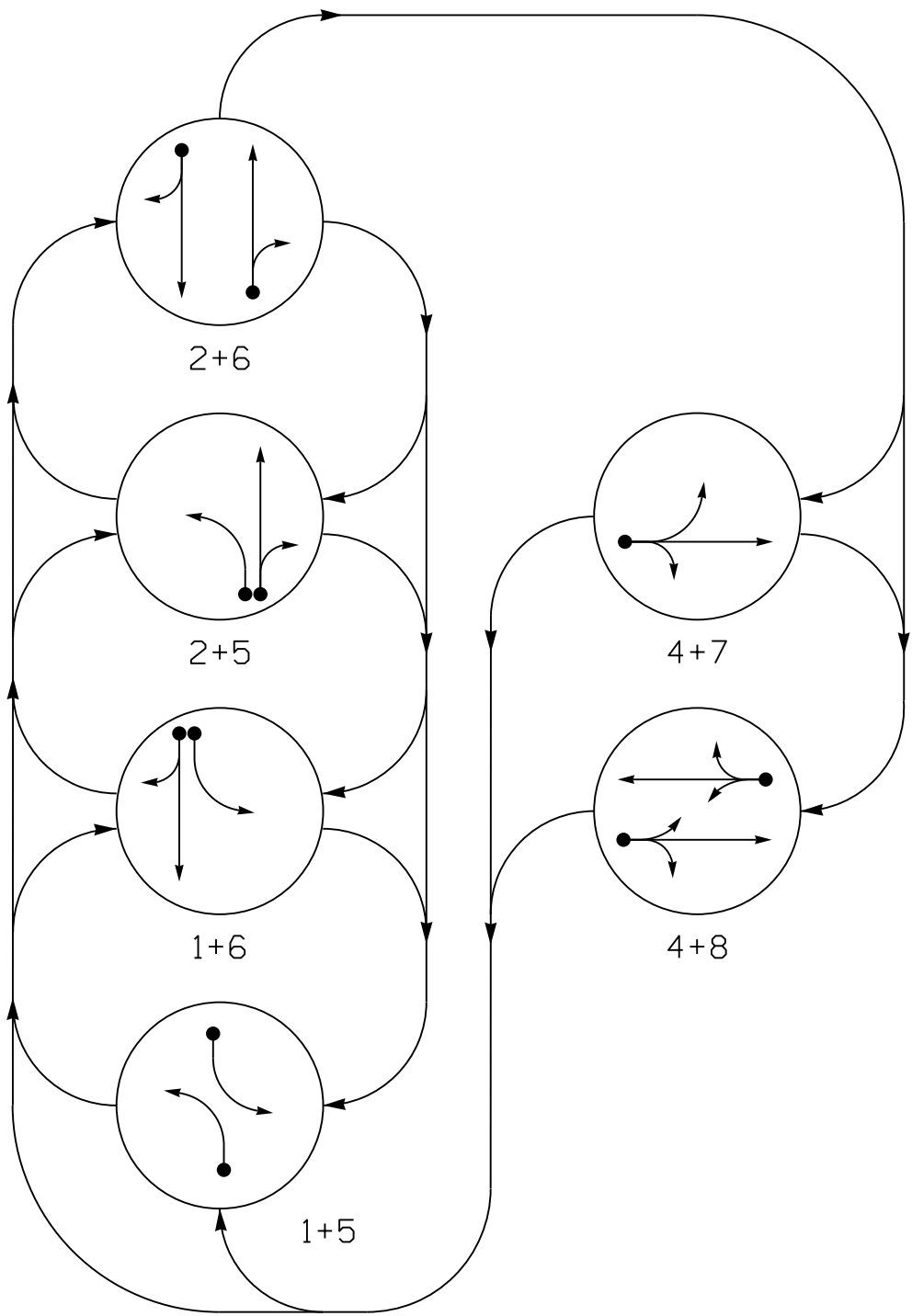


PHASING DIAGRAM



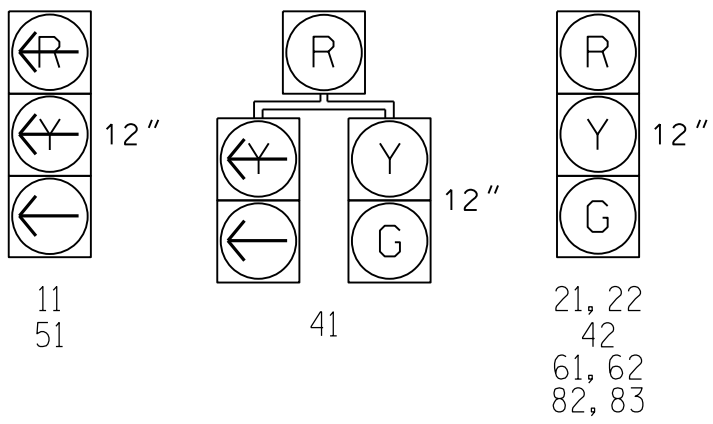
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE						
	1 + 5	1 + 6	2 + 5	2 + 6	4 + 7	4 + 8	FLIGHT
11	←	←	→	→	→	→	→
21, 22	R	R	G	G	R	R	
41	R	R	R	R	G	G	
42	R	R	R	R	G	G	
51	←	←	→	→	→	→	→
61, 62	R	G	R	G	R	R	
82, 83	R	R	R	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



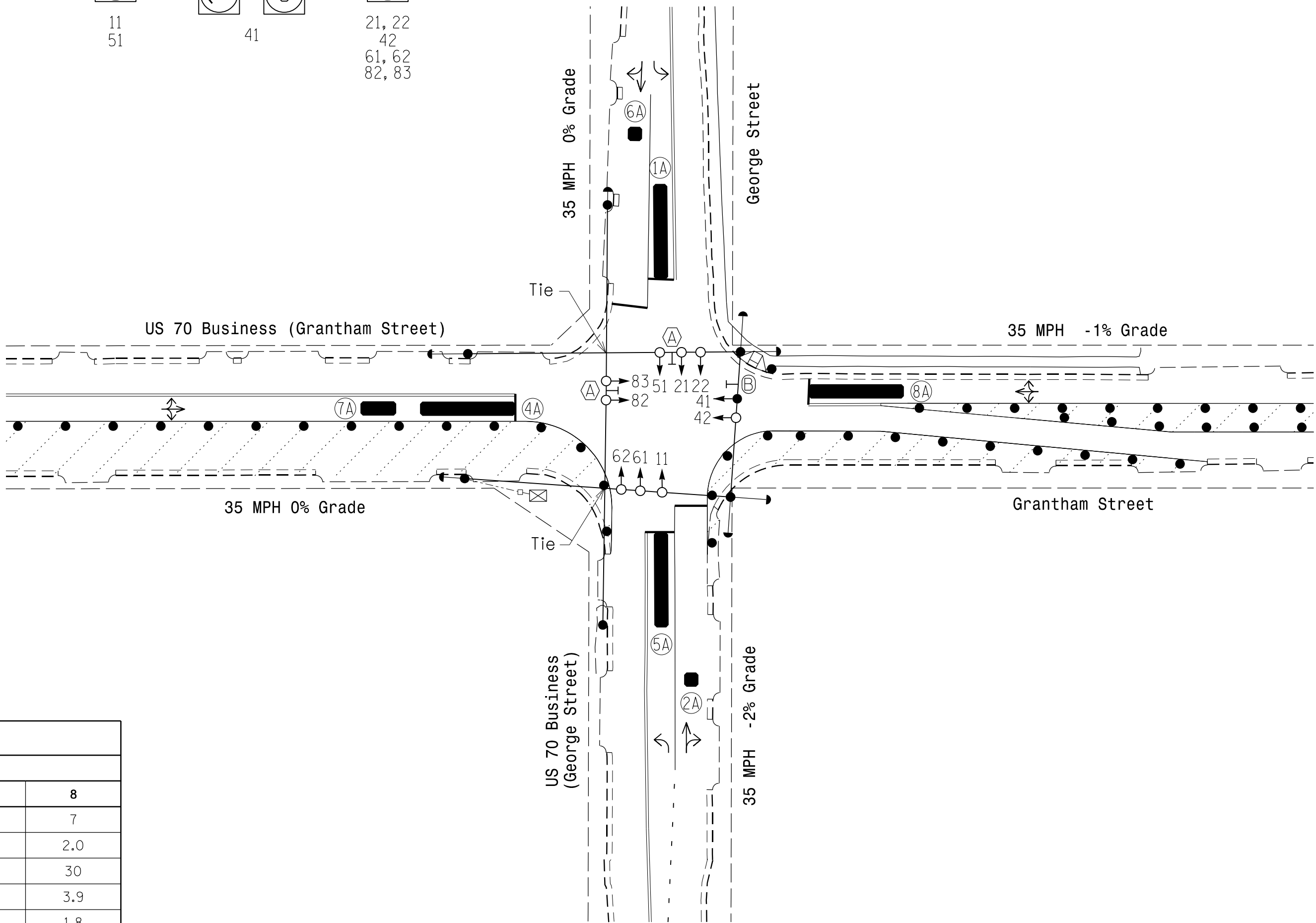
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A *	6X40	0	*	*	1	Y	Y	-	-	3	-	*
2A *	6X6	70	*	*	2	Y	Y	-	-	-	-	*
4A *	6X40	0	*	*	4	Y	Y	-	-	-	-	*
5A *	6X40	0	*	*	5	Y	Y	-	-	3	-	*
6A *	6X6	70	*	*	6	Y	Y	-	-	-	-	*
7A *	6X15	50	*	*	7	Y	Y	-	-	10	-	*
8A *	6X40	0	*	*	8	Y	Y	-	-	10	-	*

* Microwave Detection Zone

6 Phase
Fully Actuated
(Goldsboro City System)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Omit phase 7 during phase 8 on.
- Phase 1 and/or phase 5 may be lagged.
- Reposition existing signal head numbered 41.
- Reposition existing sign ⑥.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Controller Asset: #0233.



LEGEND

- | PROPOSED | EXISTING |
|--|----------|
| Traffic Signal Head | N/A |
| Modified Signal Head | N/A |
| Sign | N/A |
| Pedestrian Signal Head With Push Button & Sign | N/A |
| Signal Pole with Guy | N/A |
| Signal Pole with Sidewalk Guy | N/A |
| Inductive Loop Detector | N/A |
| Controller & Cabinet | N/A |
| Junction Box | N/A |
| 2-in Underground Conduit | N/A |
| Right of Way | N/A |
| Directional Arrow | N/A |
| Non-Intrusive Detection Zone | N/A |
| Construction Zone | N/A |
| Construction Zone Drums | N/A |
| Street Name Sign (D3-1) | N/A |
| "LEFT TURN YIELD ON GREEN" Sign (R10-12) | N/A |

OASIS 2070 TIMING CHART

FEATURE	PHASE							
	1	2	4	5	6	7	8	
Min Green 1 *	7	10	7	7	10	7	7	
Extension 1 *	2.0	3.0	2.0	2.0	3.0	2.0	2.0	
Max Green 1 *	25	110	30	25	110	25	30	
Yellow Clearance	3.0	4.0	3.9	3.0	4.0	3.0	3.9	
Red Clearance	2.1	1.1	1.8	2.3	1.1	2.6	1.8	
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Walk 1 *	-	-	-	-	-	-	-	
Don't Walk 1	-	-	-	-	-	-	-	
Seconds Per Actuation *	-	-	-	-	-	-	-	
Max Variable Initial *	-	-	-	-	-	-	-	
Time Before Reduction *	-	-	-	-	-	-	-	
Time To Reduce *	-	-	-	-	-	-	-	
Minimum Gap	-	-	-	-	-	-	-	
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-	-	
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-	-	
Dual Entry	-	-	ON	-	-	-	ON	
Simultaneous Gap	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.

Signal Upgrade - Temp Design 1 (TMP Phase II)

Prepared for the Offices of:

Transportation Mobility and Safety Division
DEPARTMENT OF TRANSPORTATION
SIGNAL DESIGN SECTION

750 N. Greenfield Pkwy, Garner, NC 27529

US 70 Business (George Street)
at
US 70 Business (Grantham Street)

Division 4 Wayne County Goldsboro

PLAN DATE: February 2025 REVIEWED BY: C.L. Kalencik

PREPARED BY: M. Tindal REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

SEAL 040715

COURTNEY L. KALENCIK

DocuSigned by:
Courtney L. Kalencik 3/27/2025

SIG. INVENTORY NO. 04-023311