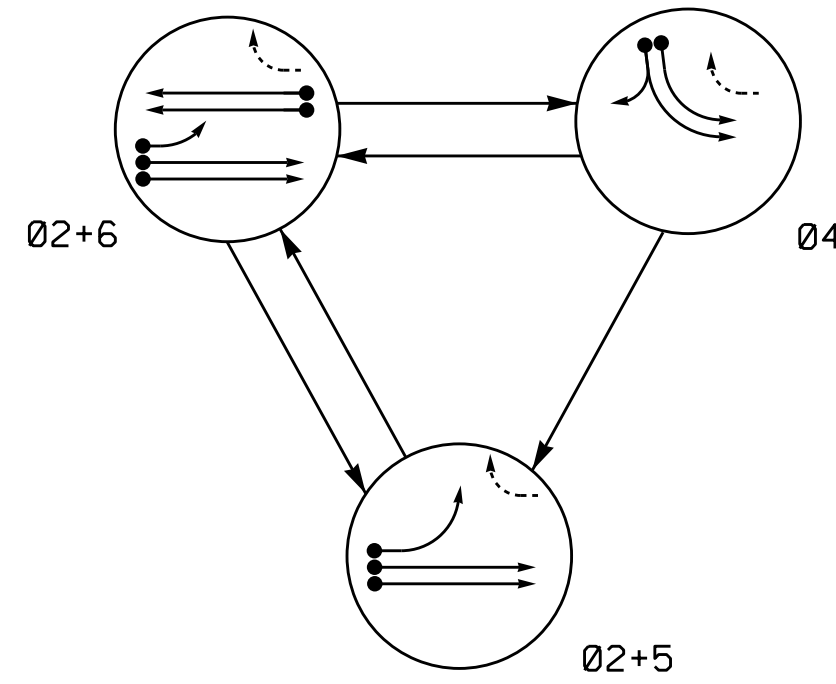
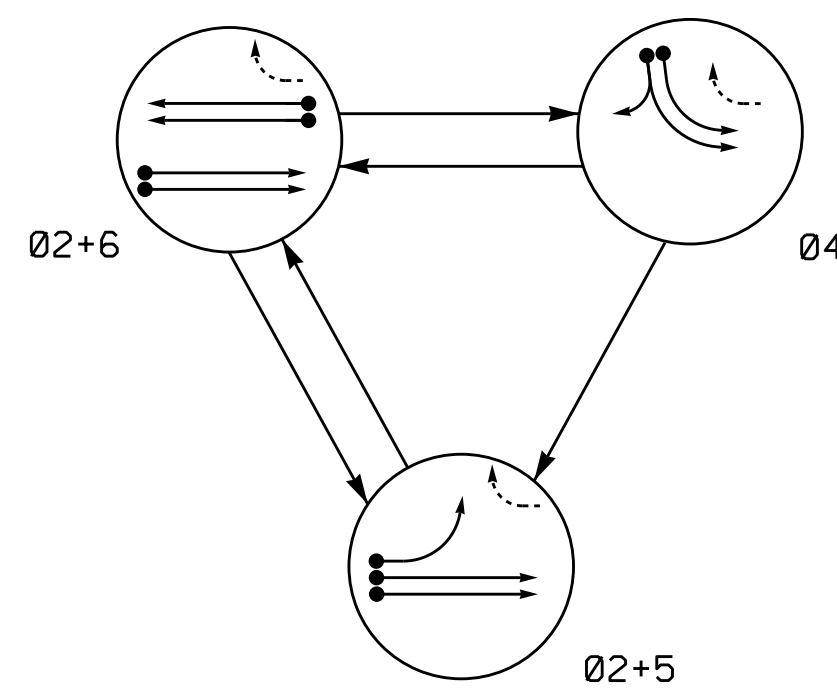


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	FLASH
21, 22	G	G	R	Y
41, 42, 43	R	R	G	R
51	-	Y	R	Y
61, 62	R	G	R	Y

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	FLASH
21, 22	G	G	R	Y
41, 42, 43	R	R	G	R
51	-	R	R	Y
61, 62	R	G	R	Y

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP/ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME	LOOP SYSTEM	NEW CARD	
2A*	6X6	70	*	-	2	Y	Y	-	-	-	-	Y
2B*	6X6	70	*	-	2	Y	Y	-	-	-	-	Y
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	5	-	Y
4B	6X40	0	2-4-2	-	4	Y	Y	-	-	15	-	-
5A*	6X40	0	*	Y	5	Y	Y	-	-	15@	-	Y
6A	6X6	70	4	-	6	Y	Y	-	-	-	-	-
6B	6X6	70	4	Y	6	Y	Y	-	-	-	-	-

@ Disable Delay During Alternate Phasing Operation.
 # Disable Phase Call For Loop During Alternate Phasing Operation.
 * Video Detection Zone.

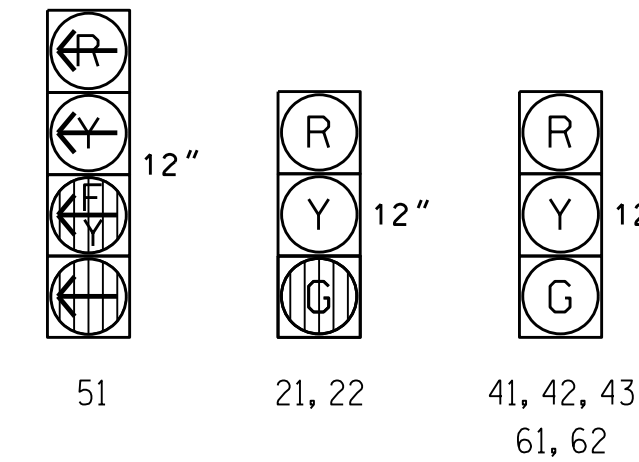
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.

All Heads L.E.D.

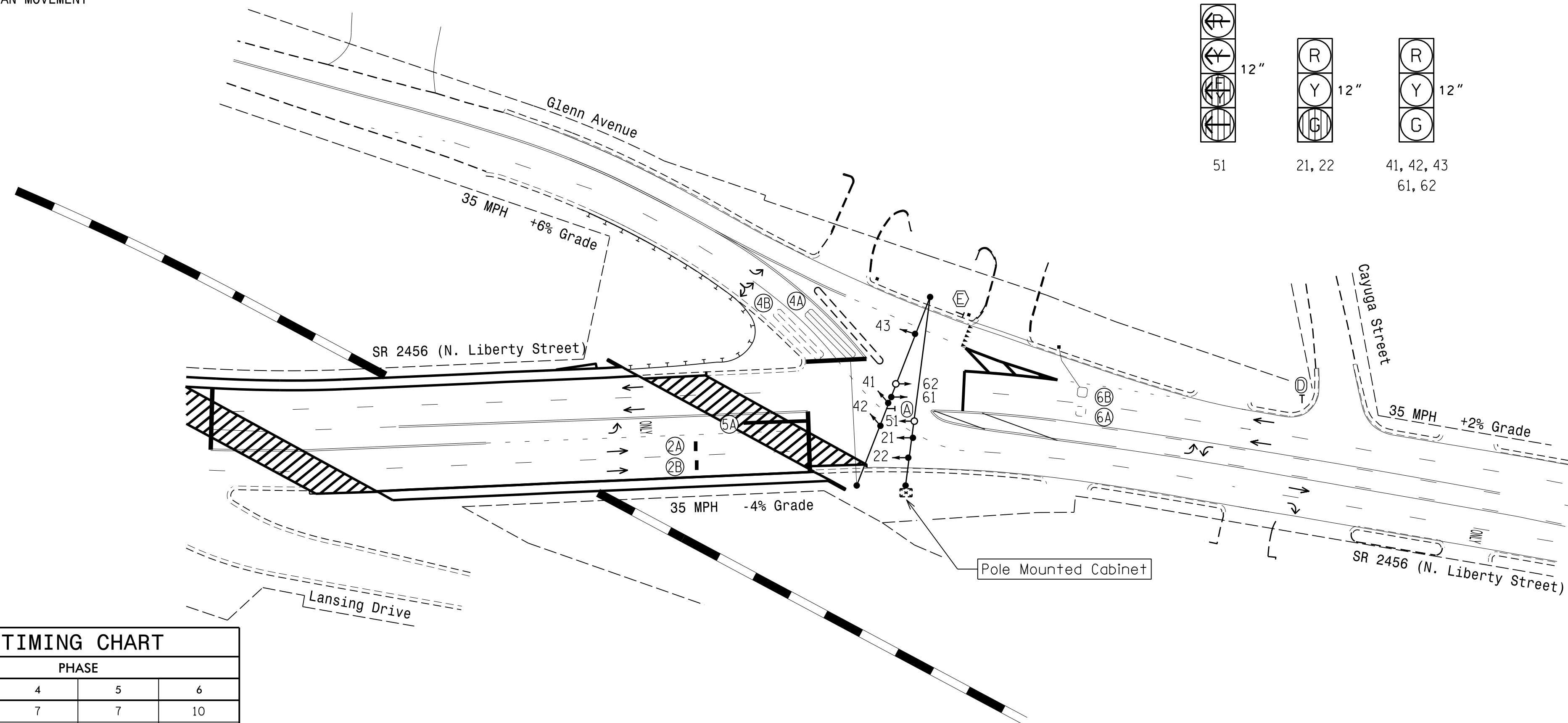
(G) Denotes Louver



3 Phase Fully Actuated (Winston-Salem Signal System)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Maintain (ON or OFF) TOD late night flash based on existing programming for this location.
- Phase 5 may be lagged.
- Reposition existing signal heads number 41, 42, 61 and 62.
- Tether signal heads number 21, 22, and 51.
- Set all detector units to presence mode.
- Program controller to operate using FYA compact mode.
- This intersection features a video detection system. Shown locations of optical detectors are conceptual only.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



LEGEND

- | PROPOSED | EXISTING |
|--|--|
| ○ → Traffic Signal Head | ● → N/A |
| ○ → Modified Signal Head | ○ → N/A |
| ⊥ Sign | ⊥ Sign |
| ⊥ Pedestrian Signal Head With Push Button & Sign | ⊥ Pedestrian Signal Head With Push Button & Sign |
| ○ 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 | N/A Right of Way |
| → Directional Arrow | → Directional Arrow |
| ● Construction Zone Drums | ● Construction Zone Drums |
| ■ Construction Zone | ■ Construction Zone |
| N/A Guardrail | N/A Guardrail |
| N/A Railroad Tracks | N/A Railroad Tracks |
| Video Detection Area | Video Detection Area |
| (A) No U-Turn Sign (R3-4) | (A) No U-Turn Sign (R3-4) |
| (D) "STOP" Sign (R1-1) | (D) "STOP" Sign (R1-1) |
| (E) "YIELD" Sign (R1-2) | (E) "YIELD" Sign (R1-2) |

OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	10	7	7	10
Extension 1 *	3.0	2.0	2.0	3.0
Max Green 1 *	45	25	25	45
Yellow Clearance	4.1	3.0	3.0	4.1
Red Clearance	2.0	3.2	2.3	2.0
Red Revert	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	-	-	-	-
Simultaneous Gap	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 Temporary Design 3 (TMP Phase I, Detail 3)

Prepared in the Offices of:
 Transportation Mobility and Safety Solutions
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 Signal Design Section
 750 N. Greenfield Pkwy, Garner, NC 27529

SR 2456 (N. Liberty Street) at Glenn Avenue

Divison 9 Forsyth County Winston-Salem

PLAN DATE: November 2017 REVIEWED BY:

PREPARED BY: I. O. Umzurike REVIEWED BY:

SCALE: 1" = 50'

REVISIONS: INIT. DATE

DocuSigned by: Robert J. Ziemba 12/11/2017

SEAL: ROBERT J. ZIEMBA, ENGINEER, SEAL 026486

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIG. INVENTORY NO. 09-018613