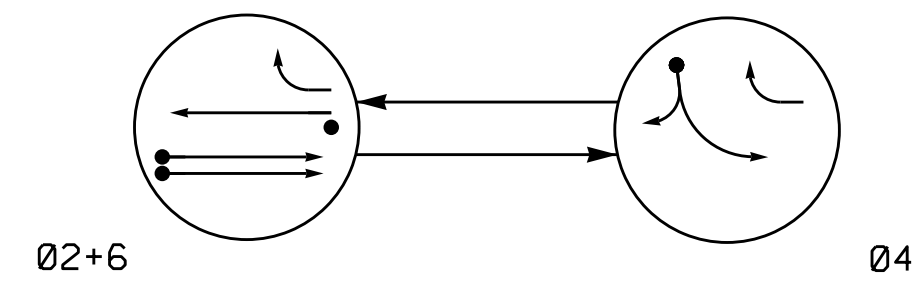


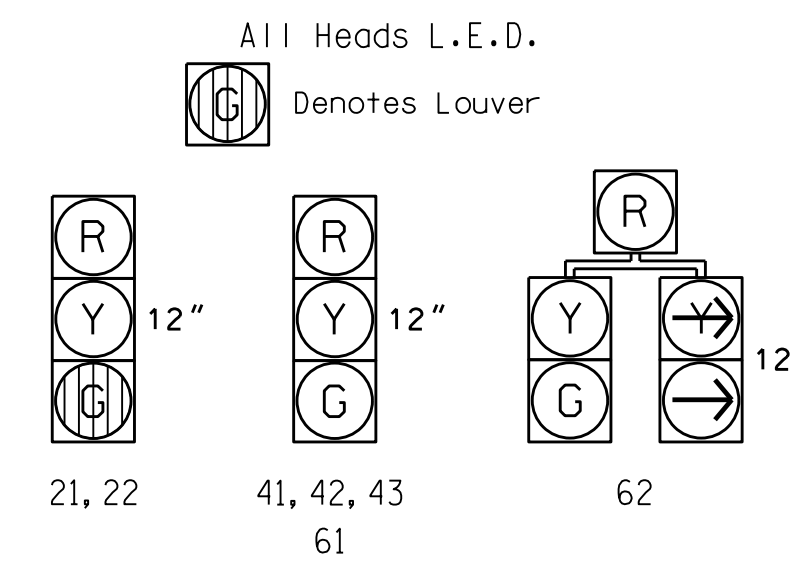
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ● ← DETECTED MOVEMENT
 ← UNDETECTED MOVEMENT (OVERLAP)
 - - - ← UNSIGNALIZED MOVEMENT
 ← - - - → PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE		
	Ø 2 + 6	Ø 4	FLASH
21, 22	G	R	Y
41, 42, 43	R	G	R
61	G	R	Y
62	G	R	Y

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

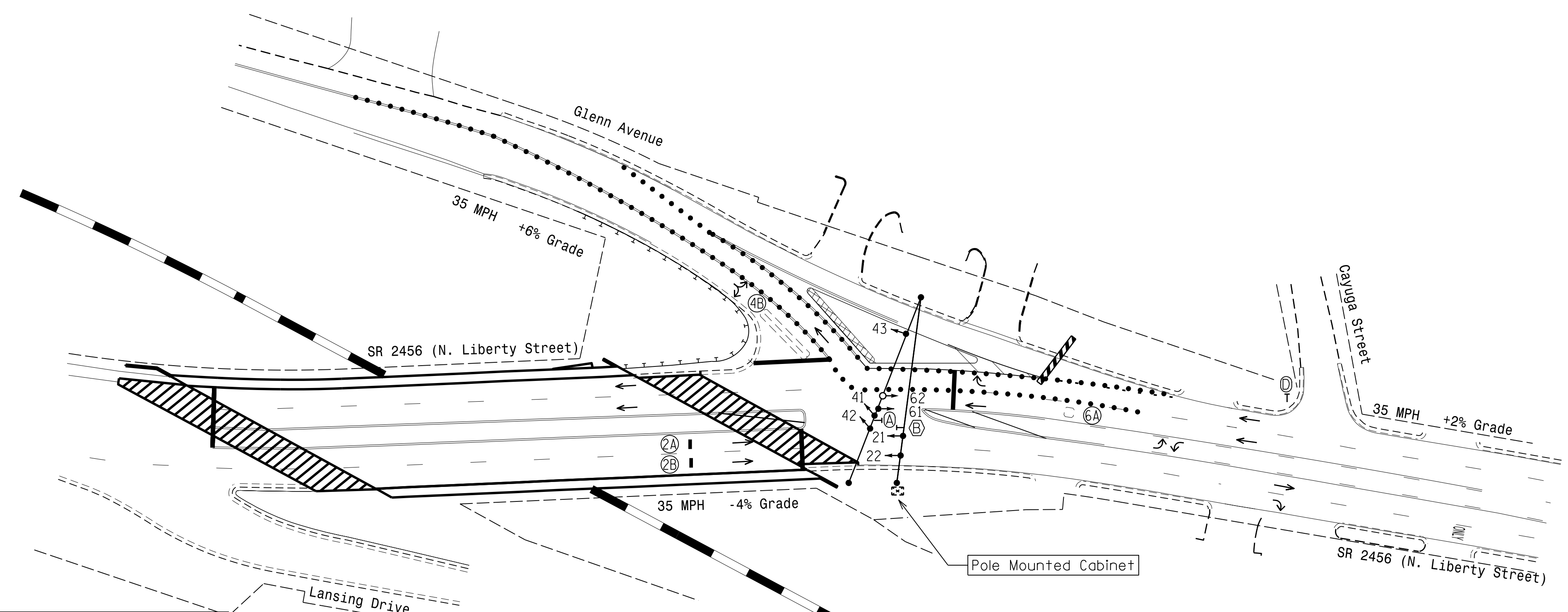
LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME			
2A*	6X6	70	*	-	2	Y	Y	-	-	-	Y
2B*	6X6	70	*	-	2	Y	Y	-	-	-	Y
4B	6X40	0	2-4-2	-	4	Y	Y	-	-	5	-
6A	6X6	70	5	-	6	Y	Y	-	-	-	-

* Video Detection Zone

2 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.
- Reposition existing signal head numbers 41, 42, 61, and 62.
- Tether signal heads number 21 and 22.
- Set all detector units to presence 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.



FEATURE	PHASE		
	2	4	6
Min Green 1 *	10	7	10
Extension 1 *	3.0	2.0	3.0
Max Green 1 *	45	25	45
Yellow Clearance	4.1	3.0	3.7
Red Clearance	1.5	3.3	2.6
Red Revert	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

* 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.

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	● 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
● Construction Zone Drums	● Construction Zone Drums
■ Construction Zone	■ Construction Zone
○ Metal Strain Pole	○ Metal Strain Pole
N/A Guardrail	— Guardrail
○ Video Detection Area	○ Video Detection Area
(A) No U-Turn Sign (R3-4)	(A) No U-Turn Sign (R3-4)
(B) No U-Turn/No Left Turn Sign (R3-18)	(B) No U-Turn/No Left Turn Sign (R3-18)
(D) "STOP" Sign (R1-1)	(D) "STOP" Sign (R1-1)

Signal Upgrade Temporary Design 4 (TMP Phase II)

SR 2456 (N. Liberty Street) at Glenn Avenue

Divison 9 Forsyth County Winston-Salem

PLAN DATE: November 2017 REVIEWED BY: [Signature]

PREPARED BY: I. O. Umzurike REVIEWED BY: [Signature]

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 1" = 50'

REVISIONS: [Table]

INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL: ROBERT J. ZIEGLER, PROFESSIONAL ENGINEER, No. 026486

12/11/2017

SIG. INVENTORY NO. 09-018614

21-DEC-2017 12:45
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