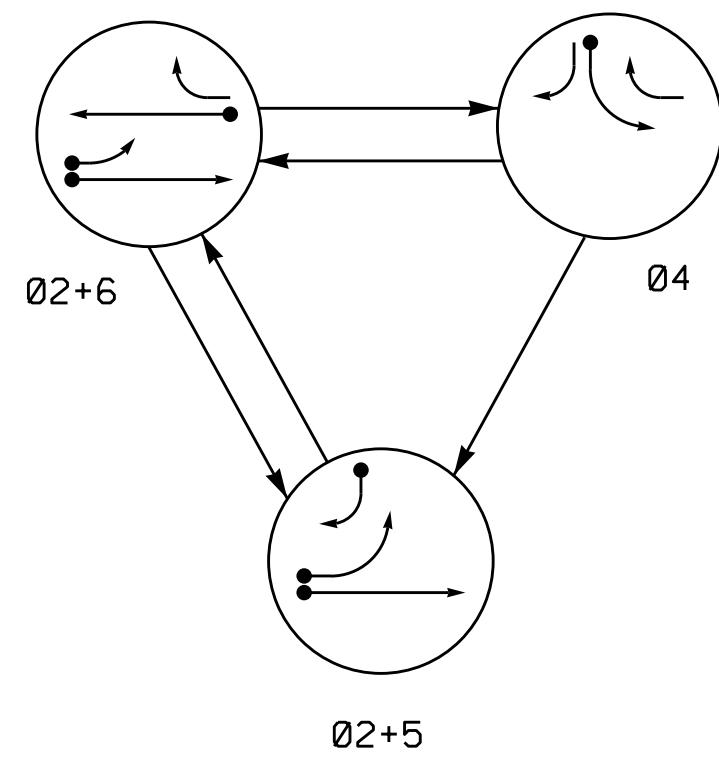


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

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

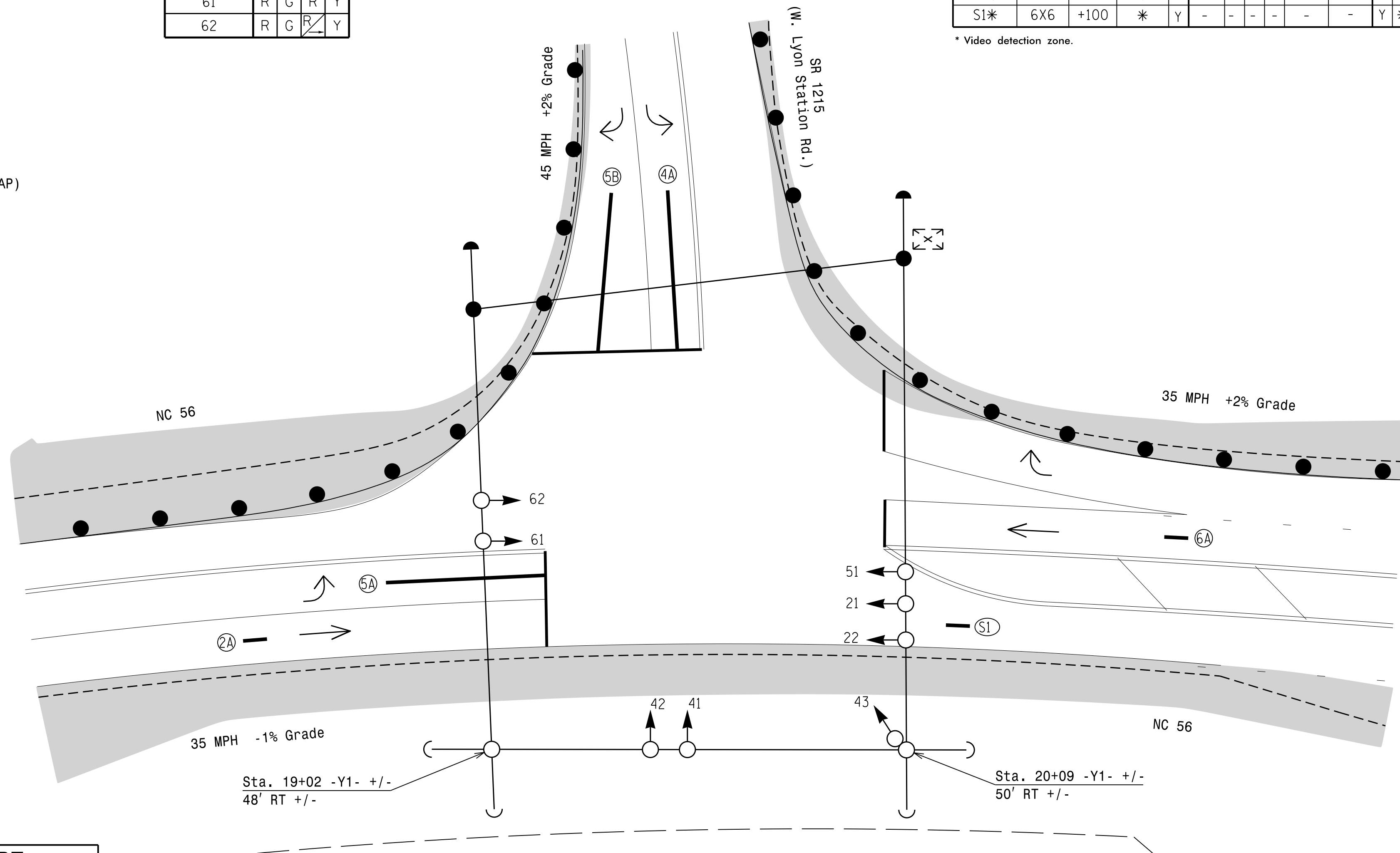
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
2A*	6X6	70	*	Y	2	Y	Y	-	-	-	-	*
4A*	6X40	0	*	Y	4	Y	Y	-	-	3	-	*
5A*	6X60	0	*	Y	5	Y	Y	-	-	15	-	*
5B*	6X40	0	*	Y	5	Y	Y	-	-	15	-	*
6A*	6X6	70	*	Y	6	Y	Y	-	-	-	-	*
S1*	6X6	+100	*	Y	-	-	-	-	-	-	-	*

* Video detection zone.

3 Phase Fully Actuated (NC 56 (Butner) CLS) Signal System #: D05-56_Butner

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.
- Phase 5 may be lagged.
- Set all detector units to presence mode.
- This intersection uses video 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.

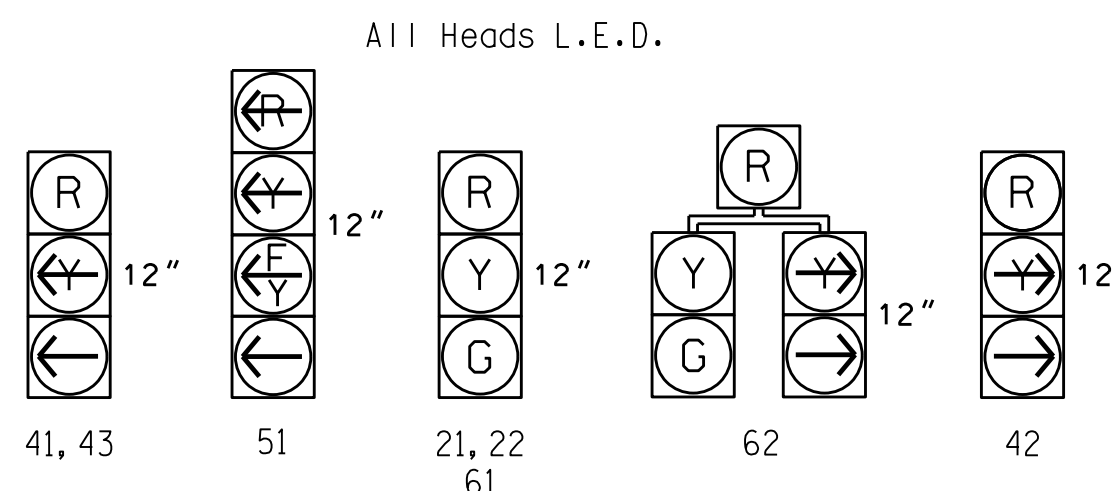


FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	10	7	7	10
Extension 1 *	3.0	2.0	2.0	3.0
Max Green 1 *	45	15	20	45
Yellow Clearance	4.0	3.0	3.0	4.0
Red Clearance	1.6	2.4	2.1	1.6
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
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.

PROPOSED		EXISTING	
○ →	Traffic Signal Head	● →	N/A
● →	Modified Signal Head	---	N/A
⚡	Sign	⚡	N/A
⚡	Pedestrian Signal Head	⚡	N/A
⚡	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
●	Construction Zone Drums	●	N/A
■	Construction Zone	■	N/A
---	Video Detection Zone	---	N/A

SIGNAL FACE I.D.



Signal Upgrade - Temporary Design (TMP Phases I and II)

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 56 at SR 1215 (W. Lyon Station Road)

Decision 5 Granville County Butner

PLAN DATE: February 2024 REVIEWED BY:

PREPARED BY: J.A. Lohr REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

03/14/2024

SIG. INVENTORY NO. 05-1095T