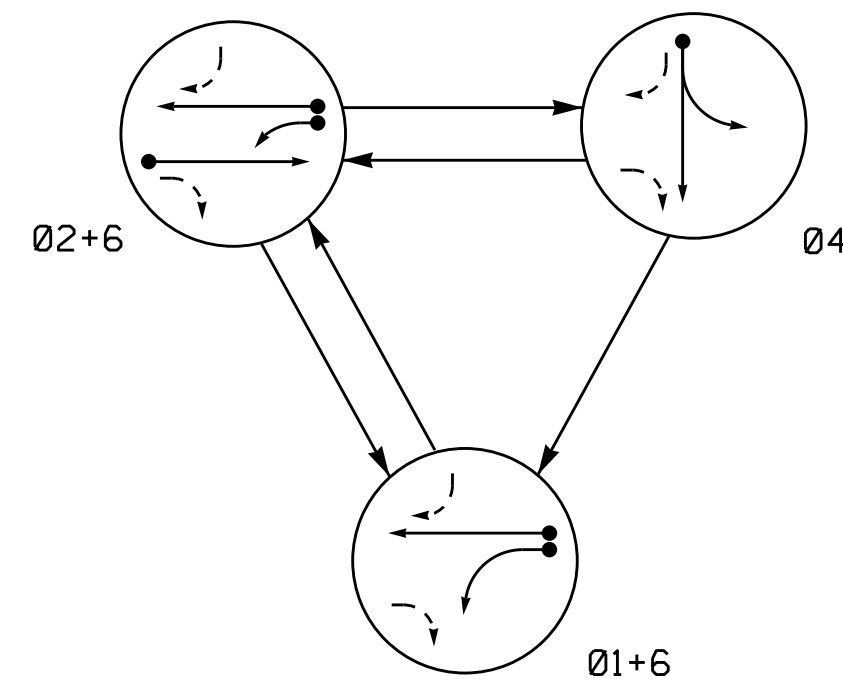
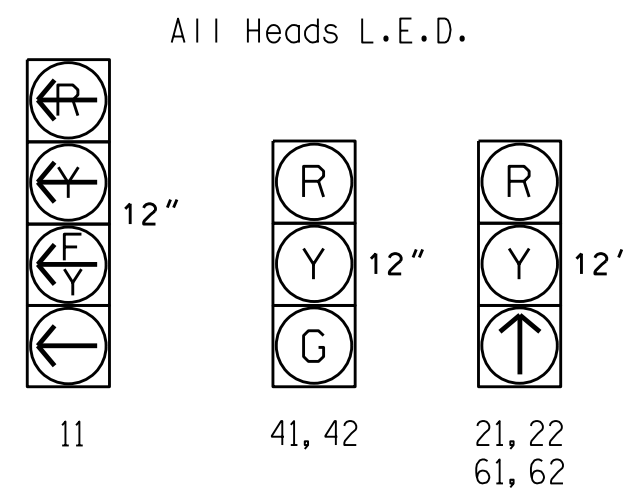


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	01+6	02+6	04	FLASH
11	←	←	←	←
21, 22	R	↑	R	Y
41, 42	R	R	G	R
61, 62	↑	↑	R	Y

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
LOOP/ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	-	1	Y	Y	-	-	15	-	-
2A*	6X6	70	*	-	2	Y	Y	-	-	-	-	*
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	-	-	-
6A	6X6	70	EXIST	-	6	Y	Y	-	-	-	-	-
S2*	6X6	+130	*	-	-	-	-	-	-	-	-	Y*
S3	6X6	+70	EXIST	-	-	-	-	-	-	-	-	Y

* Video detection zone.

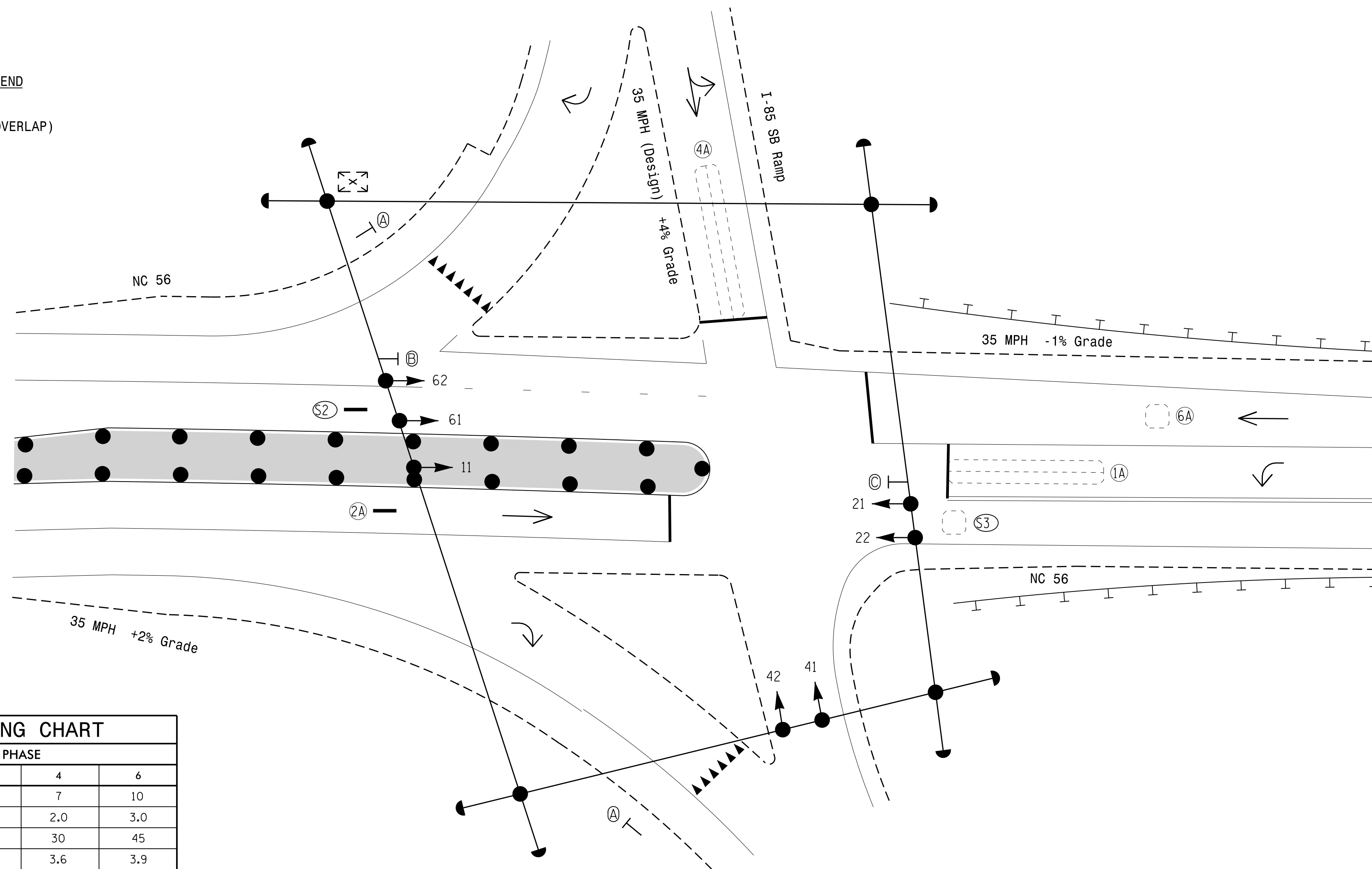
3 Phase Fully Actuated (NC 56 (Butner) CLS) Signal System #: D05-56_Butner

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 1 may be lagged.
- Set all detector units to presence mode.
- Pavement markings are existing.
- 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.

PHASING DIAGRAM DETECTION LEGEND

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



FEATURE	PHASE			
	1	2	4	6
Min Green 1 *	7	10	7	10
Extension 1 *	2.0	3.0	2.0	3.0
Max Green 1 *	20	45	30	45
Yellow Clearance	3.0	3.9	3.6	3.9
Red Clearance	1.8	1.0	1.8	1.0
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.

PROPOSED	LEGEND	EXISTING
○	Traffic Signal Head	●
○	Modified Signal Head	N/A
○	Sign	○
○	Pedestrian Signal Head With Push Button & Sign	○
○	Signal Pole with Guy	○
○	Signal Pole with Sidewalk Guy	○
○	Inductive Loop Detector	○
○	Controller & Cabinet	○
○	Junction Box	○
○	2-in Underground Conduit	○
N/A	Right of Way	○
○	Directional Arrow	○
N/A	Guardrail	○
○	Construction Zone Drums	○
○	Construction Zone	○
○	Video Detection Zone	○
○	"YIELD" Sign (R1-2)	○
○	No Right Turn Sign (R3-1)	○
○	No Left Turn Sign (R3-2)	○

Signal Upgrade - Temporary Design 2 (TMP Phases III and IV)

	<p>NC 56 at I-85 SB Ramps</p> <p>Division 5 Granville County Butner</p> <p>PLAN DATE: February 2024 REVIEWED BY:</p> <p>PREPARED BY: J.A. Lohr REVIEWED BY:</p>	<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>SEAL</p> <p>ROBERT J. ZIMERA</p> <p>ENGINEER</p> <p>03/14/2024</p>						
	<p>750 N. Greenfield Pkwy, Garner, NC 27529</p> <p>SCALE: 0 20 1"=20'</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	REVISIONS	INIT.	DATE			
REVISIONS	INIT.	DATE						

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