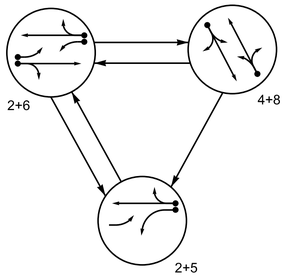
PROJECT REFERENCE NO.	SHEET NO.
R-5726	Sig.8.0

DEFAULT PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

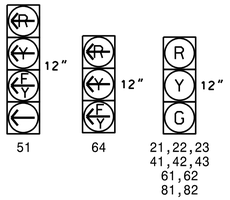
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

DEFAULT PHASING TABLE OF OPERATION

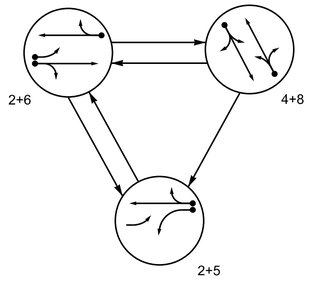
SIGNAL FACE	PHASE 2+5	PHASE 2+6	PHASE 4+8	PHASE FLASH
21,22,23	G	G	R	R
41,42,43	R	R	G	R
51	~~←~~	~~F Y~~	~~R~~	~~R~~
61,62	R	G	R	R
64	~~F Y~~	~~F Y~~	~~R~~	~~R~~
81,82	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE 2+5	PHASE 2+6	PHASE 4+8	PHASE FLASH
21,22,23	G	G	R	R
41,42,43	R	R	G	R
51	~~←~~	~~R~~	~~R~~	~~R~~
61,62	R	G	R	R
64	~~F Y~~	~~F Y~~	~~R~~	~~R~~
81,82	R	R	G	R

MAXTIME DETECTOR INSTALLATION CHART

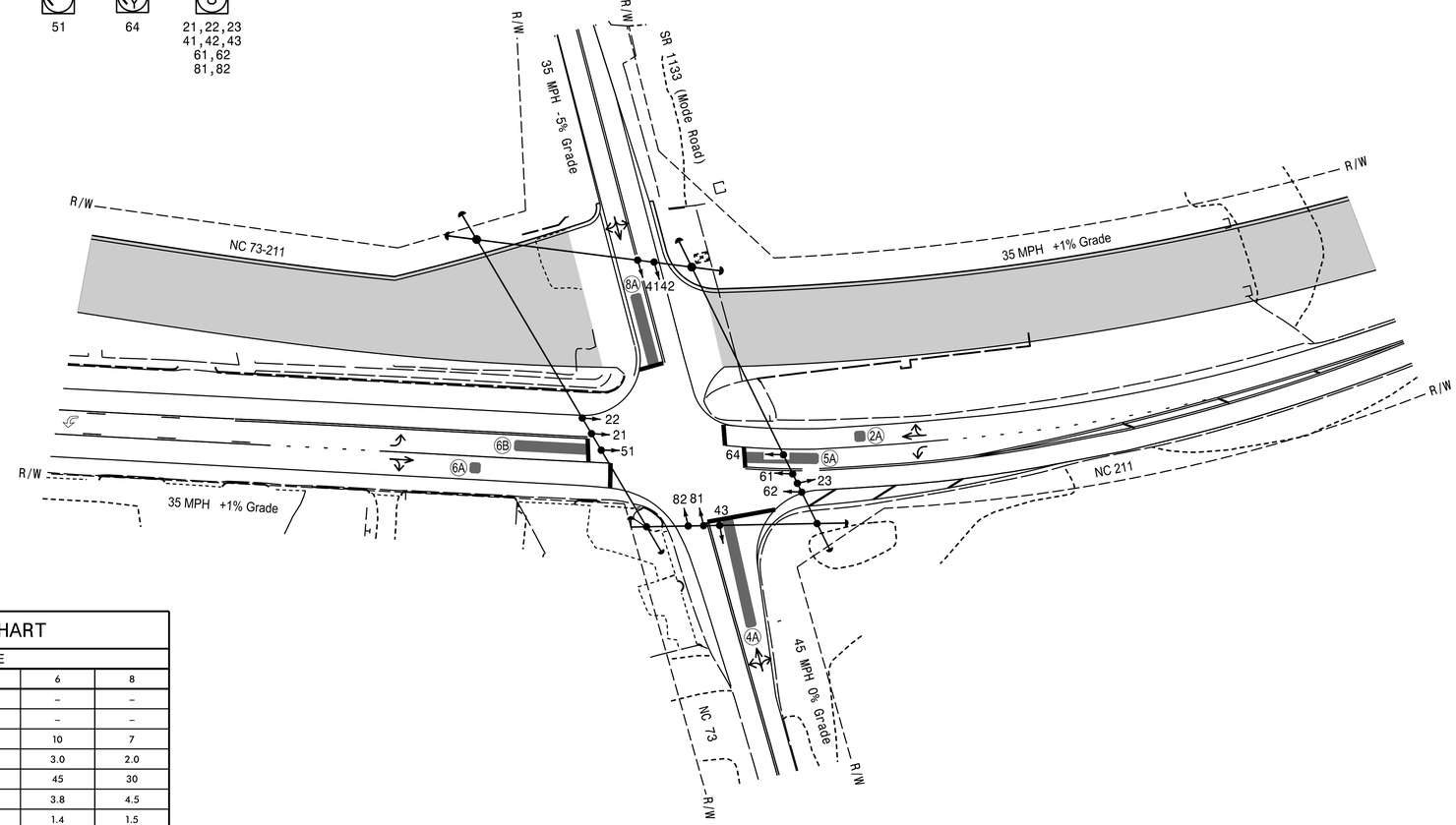
DETECTOR					PROGRAMMING						
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
2A ✳	6X6	70	✳	✳	2	-	-	X	-	X	-	✳
4A ✳	6X60	0	✳	✳	4	10.0	-	X	-	X	-	✳
5A ✳	6X40	0	✳	✳	1	15.0#	-	X	-	X	-	✳
					6##	-	-	X	-	X	-	✳
6A ✳	6X6	70	✳	✳	6	-	-	X	-	X	-	✳
6B ✳	6X40	0	✳	✳	6	-	-	X	-	X	-	✳
8A ✳	6X40	0	✳	✳	8	10.0	-	X	-	X	-	✳

\# Disable Delay During Alternate Phasing Operation.
Disable Phase Call for Loop During Alternate Phasing Operation.
✳ Video Detection Zone

3 Phase
Fully Actuated
(Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 5 may be lagged.
4. Set all detector units to presence mode.
5. The Division Traffic Engineer will determine the hours of use for each phasing plan.
6. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



LEGEND

PROPOSED		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	
	Construction Zone	
	Non-Intrusive Detection Zone	

MAXTIME TIMING CHART

FEATURE	PHASE 2	PHASE 4	PHASE 5	PHASE 6	PHASE 8
Walk *	–	–	–	–	–
Ped Clear *	–	–	–	–	–
Min Green *	10	7	7	10	7
Passage *	3.0	2.0	2.0	3.0	2.0
Max 1 *	45	30	20	45	30
Yellow Change	3.8	4.5	3.0	3.8	4.5
Red Clear	1.4	1.5	1.2	1.4	1.5
Added Initial *	–	–	–	–	–
Maximum Initial *	–	–	–	–	–
Time Before Reduction *	–	–	–	–	–
Time To Reduce *	–	–	–	–	–
Minimum Gap	–	–	–	–	–
Advance Walk	–	–	–	–	–
Non Lock Detector	–	X	X	–	X
Vehicle Recall	MIN RECALL	–	–	MIN RECALL	–
Dual Entry	–	X	–	–	X

* These values may be field adjusted. Do not adjust Min Green and Passage 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)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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Prepared for:
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

NC 73-211/NC 211
at
NC 73/SR 1133 (Mode Rd)

Division 8 Moore County West End

PLAN DATE: June 2024
PREPARED BY: LD Stouchko
REVIEWED BY: R. Mullinax
REVIEWED BY:

SCALE 0 40 1"=40'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 034437 LORI D. STOUCHKO

DocuSigned by: Lori D. Stouchko FF586C7596C645A...
11-Jul-2024
SIGNATURE DATE

SIG. INVENTORY NO. 08-0098T3