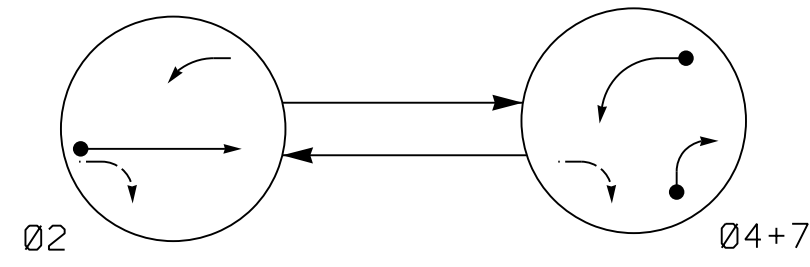
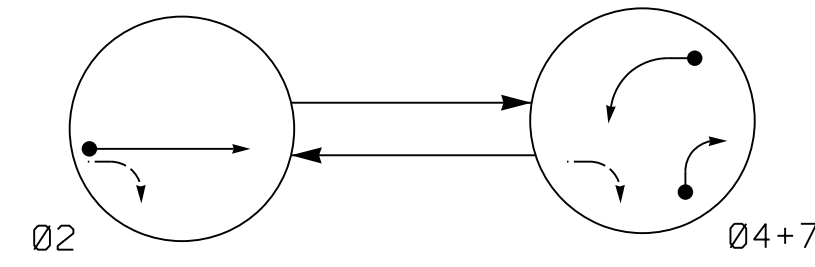


DEFAULT PHASING DIAGRAM



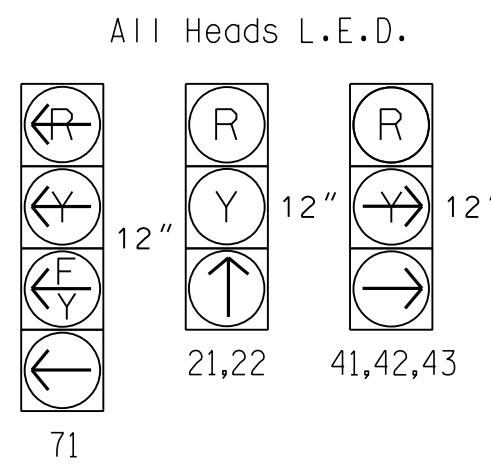
ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02	04+7	FLASH
21,22	↑	R	R
41,42,43	R	→	R
71	←	←	←

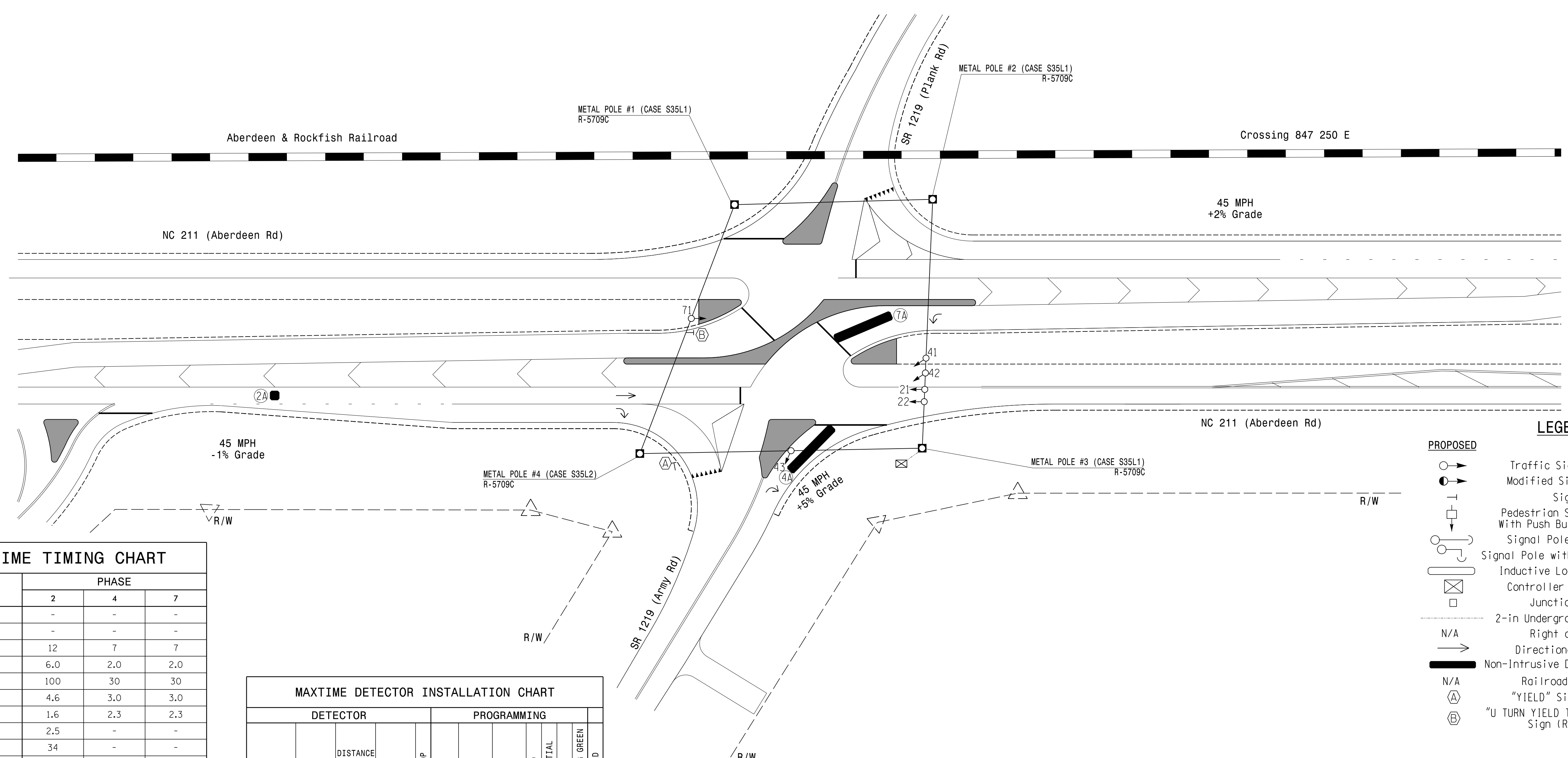
ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02	04+7	FLASH
21,22	↑	R	R
41,42,43	R	→	R
71	←	←	←

2 Phase Fully Actuated (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications" dated January 2024.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning red on right.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.



FEATURE	PHASE		
	2	4	7
Walk *	-	-	-
Ped Clear *	-	-	-
Min Green	12	7	7
Passage *	6.0	2.0	2.0
Max 1 *	100	30	30
Yellow Change	4.6	3.0	3.0
Red Clear	1.6	2.3	2.3
Added Initial *	2.5	-	-
Maximum Initial *	34	-	-
Time Before Reduction *	15	-	-
Time To Reduce *	30	-	-
Minimum Gap	3.0	-	-
Advance Walk	-	-	-
Non Lock Detector	-	X	X
Vehicle Recall	MIN RECALL	-	-
Dual Entry	-	X	X

ZONE	DETECTOR			PROGRAMMING							
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND INITIAL	CALL DURING GREEN	NEW CARD	
2A*	6X6	300	*	*	2	-	-	X	X	-	*
4A*	6X40	0	*	*	4	15.0	-	X	-	X	*
7A*	6X40	0	*	*	7	15.0#	-	X	-	X	*

Disable Delay Time to During Alternate Phasing Operation.
* Video Detection Zone

PROPOSED	EXISTING
○→ Traffic Signal Head	●→ N/A
○→ Modified Signal Head	N/A
○→ Sign	N/A
□→ 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	N/A
→ Directional Arrow	→
--- Non-Intrusive Detection Zone	---
N/A Railroad Tracks	---
(A) "YIELD" Sign (R1-2)	(A)
(B) "U TURN YIELD TO RIGHT TURN" Sign (R10-16)	(B)

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 2 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

New Installation - Temporary Design (TMP Phase III Step 2)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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TRANSPORTATION MOBILITY AND SAFETY DIVISION
UNIVERSITY OF NORTH CAROLINA
SCHOOL OF ENGINEERING
SIGNAL DESIGN SECTION
750 N. Greenfield Pkwy, Garner, NC 27529

NC 211 EB (Aberdeen Rd)
At
SR 1219 (Army Rd)
Division 8 Hoke County Ashley Heights
PLAN DATE: August 2024 REVIEWED BY: WP Erickson-Jones
PREPARED BY: VS Kondapally REVIEWED BY:
REVISIONS INIT. DATE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 056142
W. PORTER JONES
8/28/2024
SIGNATURE DATE
SIG. INVENTORY NO. 08-0269T