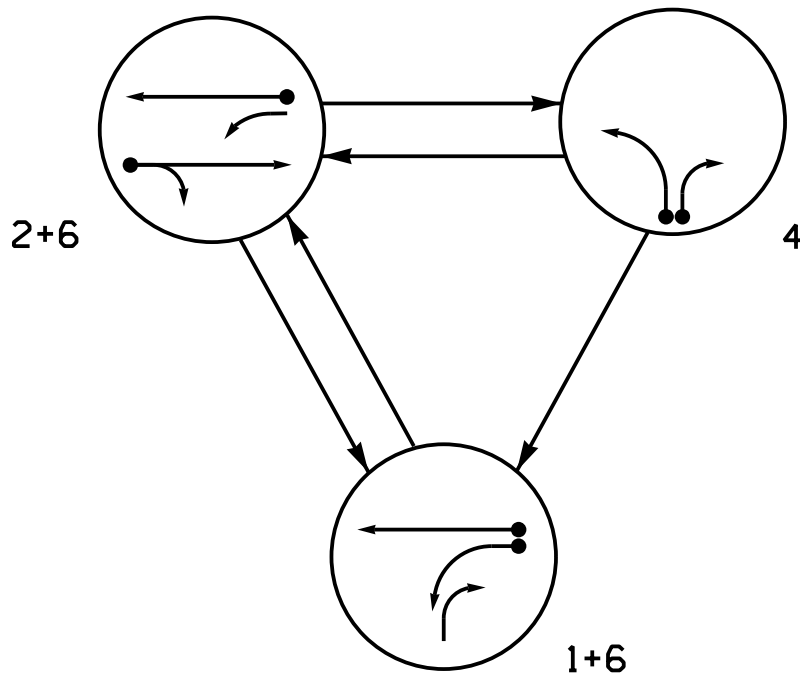
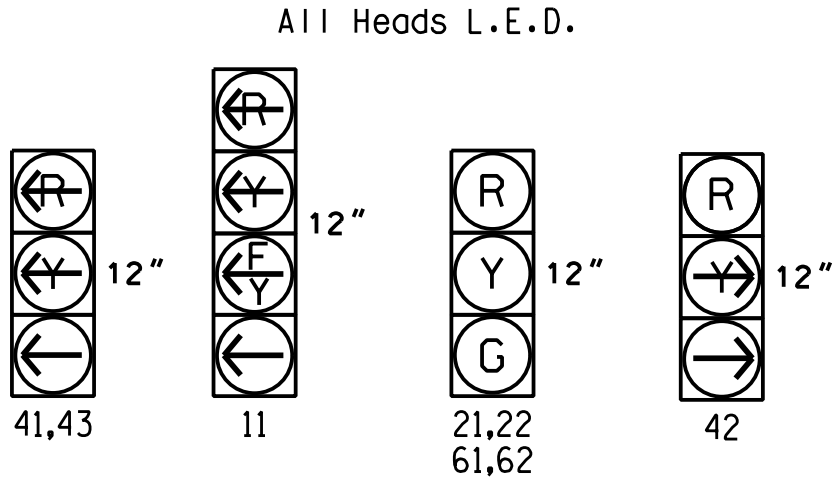


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	1 + 6	2 + 6	4	FLASH
11	←	←	←	←
21,22	R	G	R	R
41,43	←	←	←	←
42	←	R	←	R
61,62	G	G	R	R

SIGNAL FACE I.D.



MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
ZONE	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	INITIAL	CALL	RELAY DURING GREEN
1A*	6X40	0	*	*	1	15.0	-	X	-	X	-
2A*	6X6	300	*	*	6	-	-	X	X	X	-
2B*	6X40	0	*	*	2	5.0	2.0	X	-	X	-
4A*	6X40	0	*	*	4	-	-	X	-	X	-
4B*	6X40	0	*	*	4	15.0	-	X	-	X	-
6A*	6X6	300	*	*	6	-	-	X	-	-	-
6B*	6X40	0	*	*	6	5.0	2.0	X	-	X	-

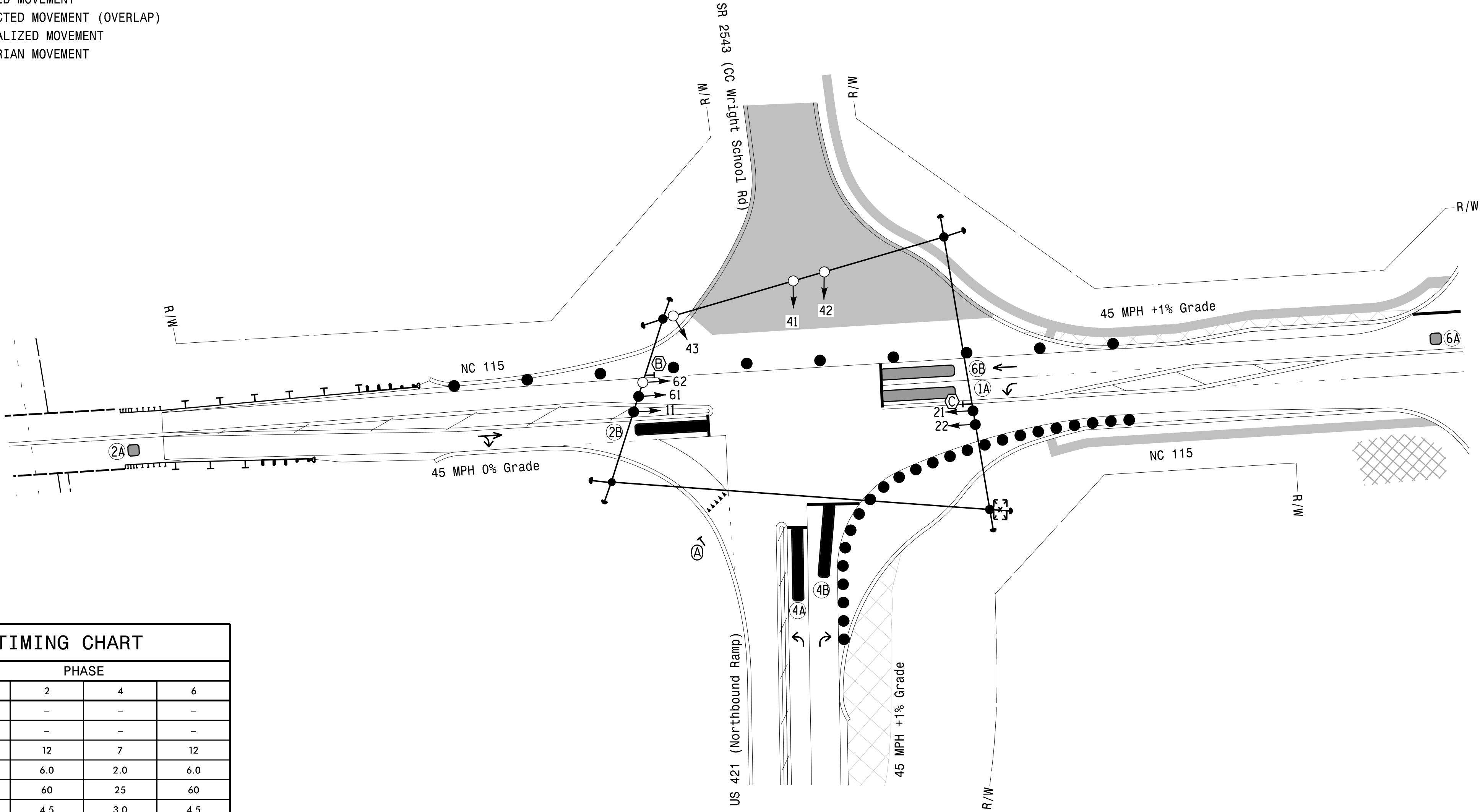
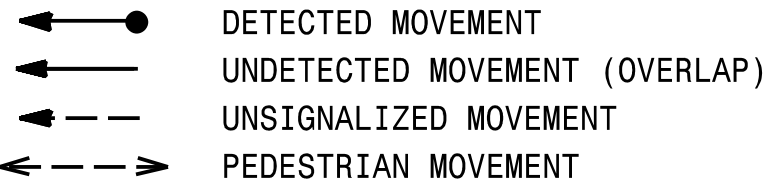
* Video Detection

3 Phase
Fully Actuated
(Isolated)

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.
- Reposition existing signal heads numbered 11,21,22, and 61.
- 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.
- See R-5759 TMP Phase 2 for pavement markings.

PHASING DIAGRAM DETECTION LEGEND

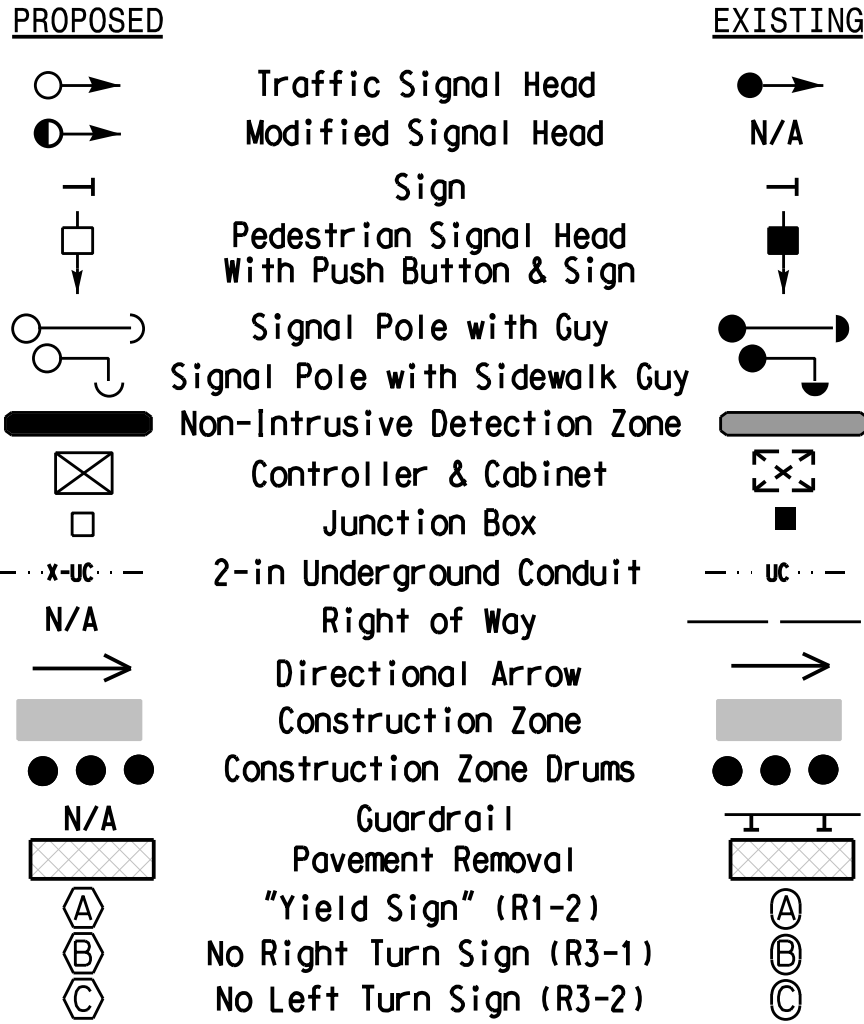


MAXTIME TIMING CHART

FEATURE	PHASE			
	1	2	4	6
Walk *	-	-	-	-
Ped Clear	-	-	-	-
Min Green *	7	12	7	12
Passage *	2.0	6.0	2.0	6.0
Max I *	15	60	25	60
Yellow Change	3.0	4.5	3.0	4.5
Red Clear	2.3	1.5	2.9	1.5
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	15	-	15
Time To Reduce *	-	30	-	30
Minimum Gap	-	3.0	-	3.0
Advance Walk	-	-	-	-
Non Lock Detector	X	-	X	-
Vehicle Recall	-	MIN RECALL	-	MIN RECALL
Dual Entry	-	-	-	-

* 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.

LEGEND



Signal Upgrade -
Temporary Design 2
(Construction Phase 2)

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

HNTB

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	Prepared for: NC 115 at US 421 Northbound Ramps/SR 2543 (CC Wright School Road)		
	Division 11 Wilkes County Wilkesboro		
	PLAN DATE: November 2023	REVIEWED BY: N.K. Vianich	
	PREPARED BY: E.E. Tiller	REVIEWED BY: N.R. Simmons	
REVISIONS		INIT.	DATE
SIGNATURE		DATE	
SIC. INVENTORY NO.		II-108012	