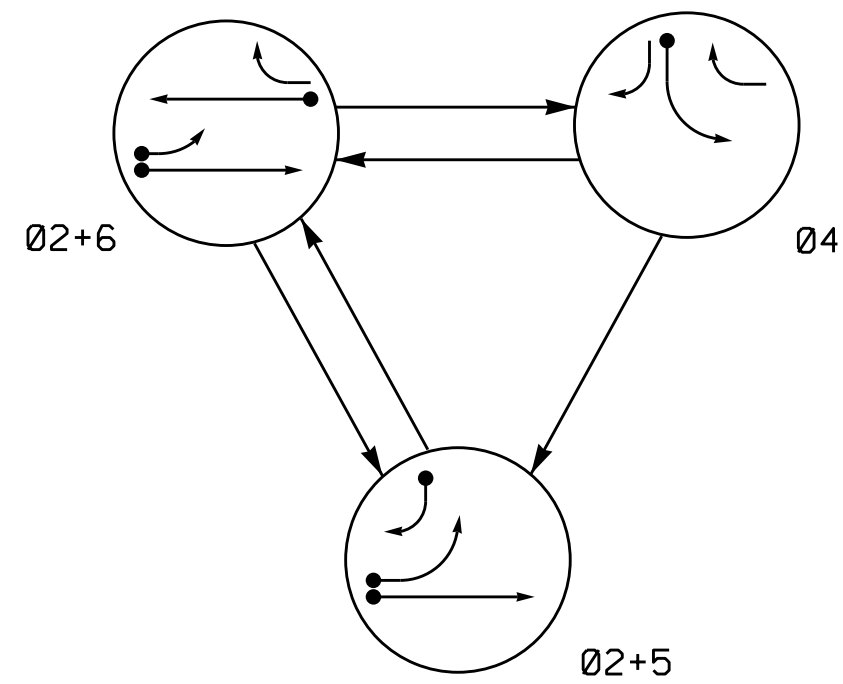
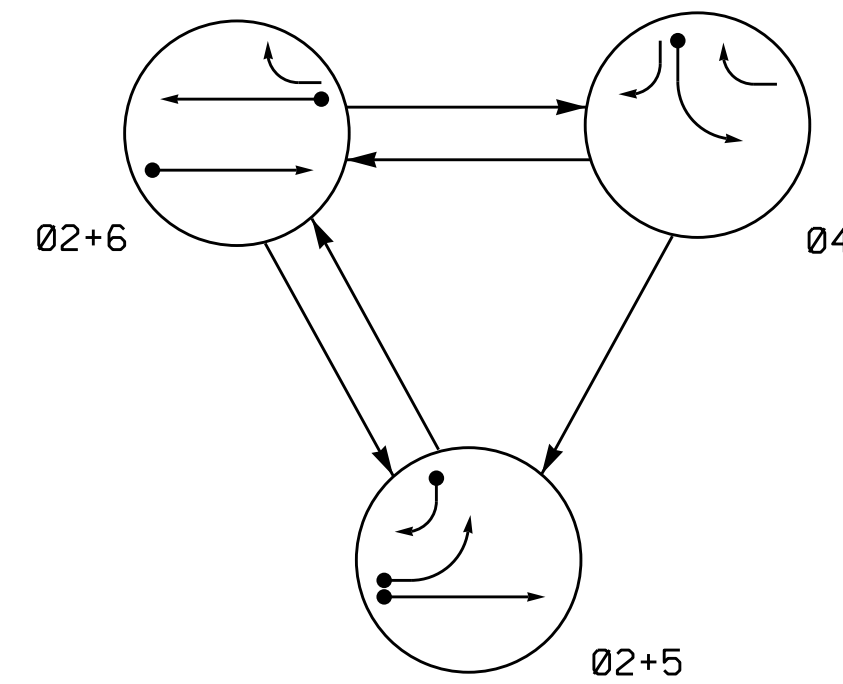


DEFAULT PHASING DIAGRAM



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

ALTERNATE PHASING DIAGRAM



SIGNAL FACE	PHASE			
	02+5	02+6	04	F
21, 22	G	G	R	Y
41, 42	R	R	Y	R
43	Y	R	Y	R
51	Y	R	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	STRETCH TIME		DELAY TIME	
2A	6X6	300	*	*	2	Y	Y	-	-	-	*
4A	6X40	0	*	*	4	Y	Y	-	-	-	*
5A	6X40	0	*	*	5	Y	Y	-	-	★15	*
5B	6X40	0	*	*	#2	Y	Y	-	-	3	*
6A	6X6	300	*	*	6	Y	Y	-	-	-	*

\* Video Detection Zone  
 ★ Disable Delay during Alternate Phasing Operation.  
 # Disable Phase(s) call during Alternate Phasing Operation.

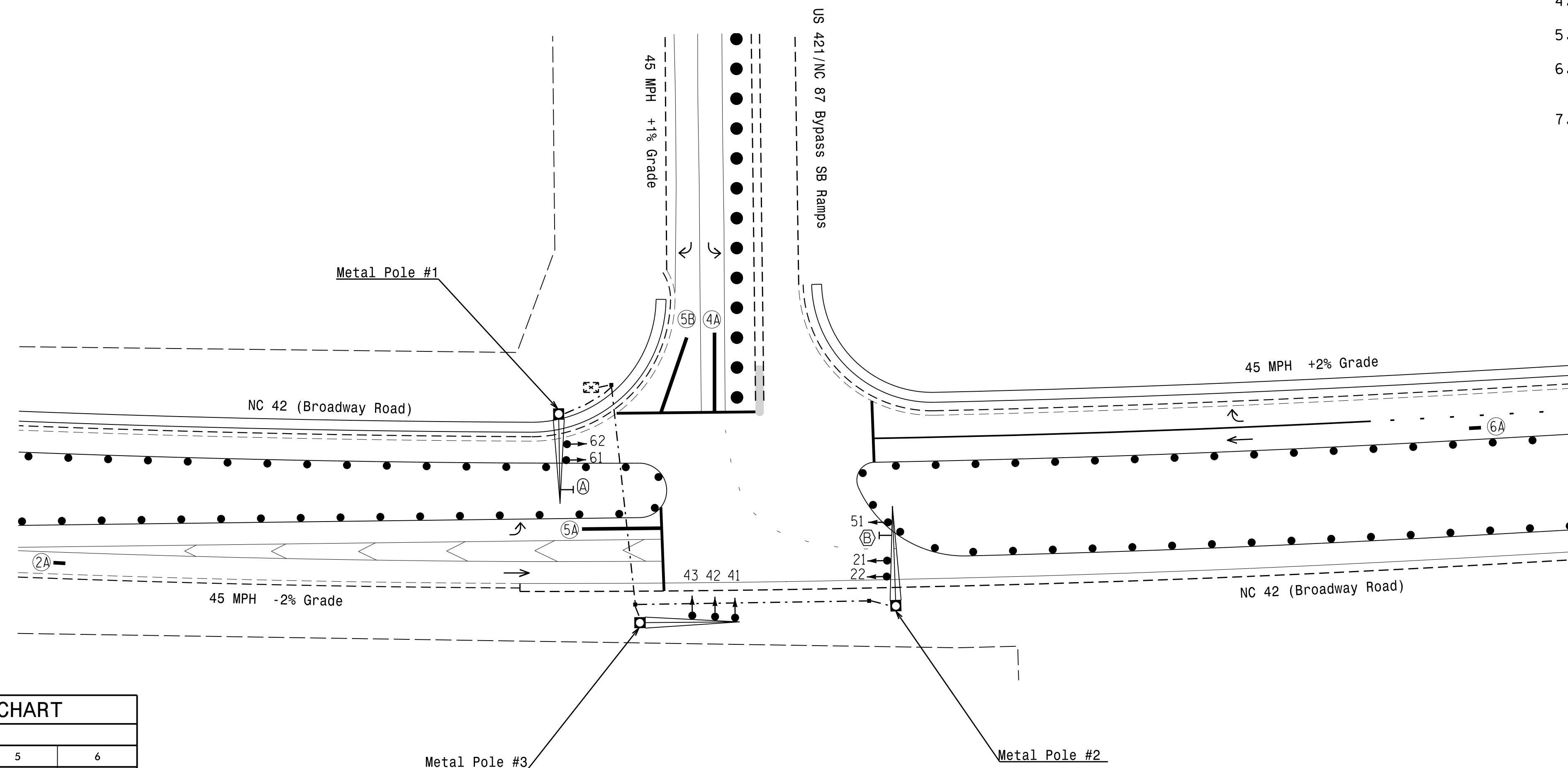
3 Phase Fully Actuated (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 5 may be lagged.
- Reposition existing signal heads numbered 21, 22, 41, 51, 61, and 62.
- Set all detector units to presence mode.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- This location utilizes a video detection system. Camera locations should be confirmed in the field by the contractor in order to provide detection of the areas indicated.

PHASING DIAGRAM DETECTION LEGEND

- ←● DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- ←- UN SIGNALIZED MOVEMENT
- ←- - PEDESTRIAN MOVEMENT



FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	12	7	7	12
Extension 1 *	6.0	2.0	2.0	6.0
Max Green 1 *	90	25	20	90
Yellow Clearance	4.7	3.0	3.0	4.7
Red Clearance	1.6	3.1	2.6	1.6
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	2.5	-	-	2.5
Max Variable Initial *	34	-	-	34
Time Before Reduction *	15	-	-	15
Time To Reduce *	30	-	-	30
Minimum Gap	3.2	-	-	3.2
Recall Mode	MIN RECALL	-	-	MIN RECALL
Vehicle Call Memory	-	-	-	-
Dual Entry	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

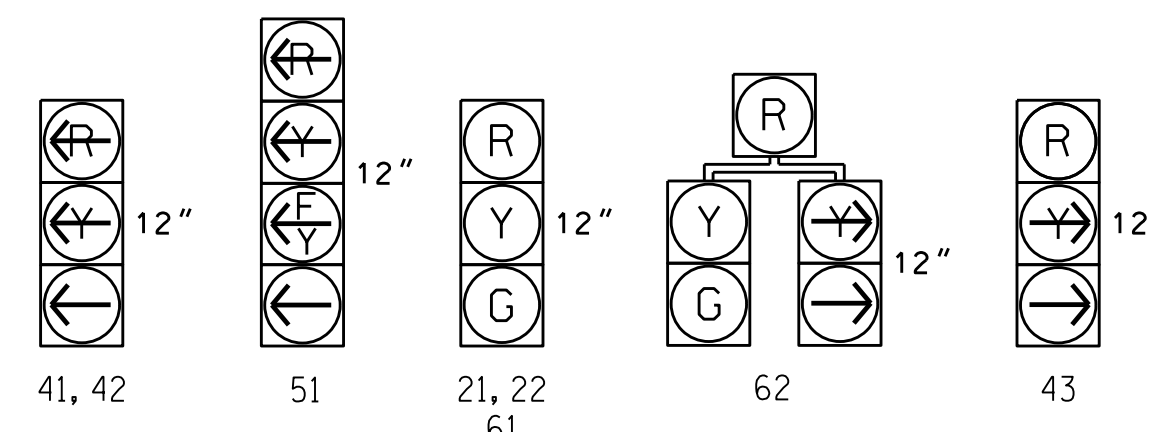
\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

- | PROPOSED                                       | EXISTING                                       |
|------------------------------------------------|------------------------------------------------|
| ○ → Traffic Signal Head                        | ● → N/A                                        |
| ○ → Modified Signal Head Sign                  | □ → N/A                                        |
| □ → Pedestrian Signal Head                     | □ → N/A                                        |
| ○ → Signal Pole with Guy                       | ○ → Signal Pole with Sidewalk Guy              |
| ○ → Inductive Loop Detector                    | ○ → Junction Box                               |
| □ → Controller & Cabinet                       | □ → 2-in Underground Conduit                   |
| □ → Right of Way                               | → → Directional Arrow                          |
| → → Directional Arrow                          | → → Metal Pole with Mastarm                    |
| → → Directional Drill                          | → → Directional Drill                          |
| → → Video Detection Zone                       | → → Construction Zone                          |
| → → Construction Zone Drums                    | → → Construction Zone Drums                    |
| ⓐ → No Left/No U-Turn Sign (R3-18)             | ⓐ → "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) |
| ⓑ → "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) | ⓑ → "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) |

SIGNAL FACE I.D.

All Heads L.E.D.



Signal Upgrade - Temporary Design 2 (TMP Phase II)

	NC 42 (Broadway Road) at US 421/NC 87 Bypass SB Ramps		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER ROBERT J. LOHR License No. 026486 04/21/2022
	Division 8 Lee County Sanford	PLAN DATE: March 2022 REVIEWED BY:	
SCALE 0 40 1" = 40'	REVISIONS INIT. DATE	DATE 04/21/2022	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED