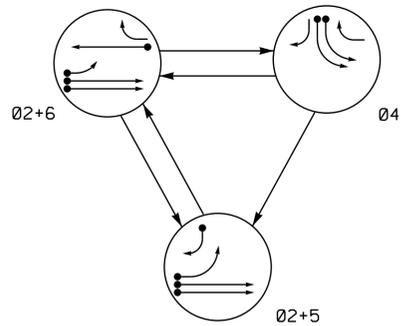


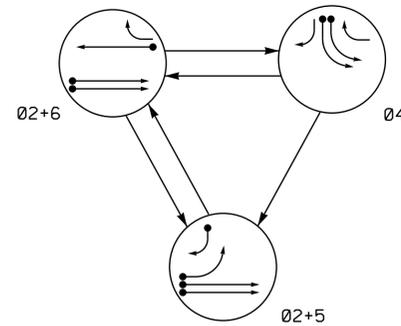
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	F I/O P L
21, 22	G	G	R	Y
41, 42	R	R	-	R
43	-	R	-	R
51	-	F	R	Y
61	R	G	R	Y
62	R	G	R	Y

ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	F I/O P L
21, 22	G	G	R	Y
41, 42	R	R	-	R
43	-	R	-	R
51	-	F	R	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	FULL TIME DELAY			
2A	6X6	300	*	*	2	Y	Y	-	-	-	*
2B	6X6	300	*	*	2	Y	Y	-	-	-	*
4A	6X40	0	*	*	4	Y	Y	-	-	-	*
4B	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.

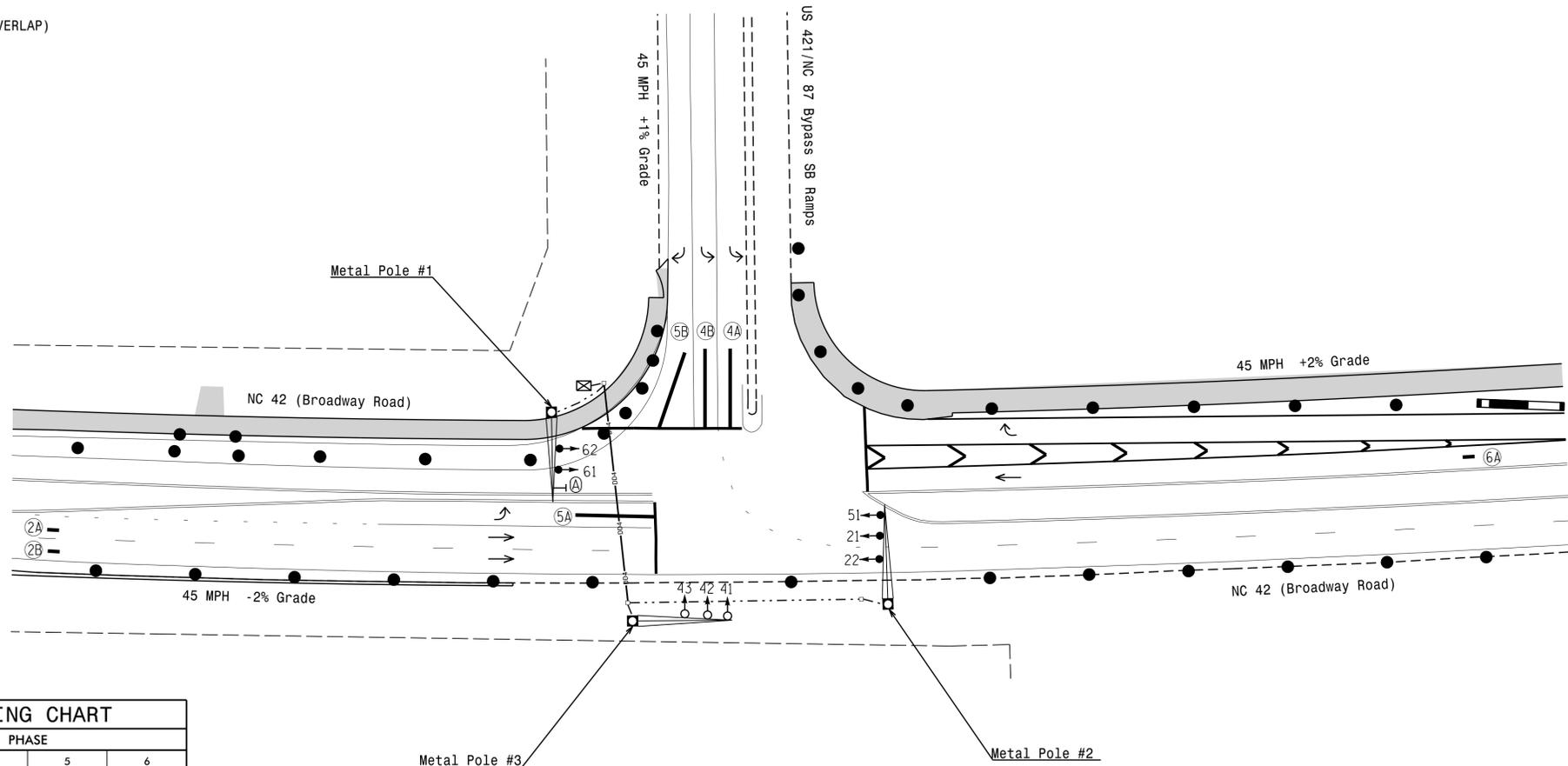
3 Phase Fully Actuated (Isolated)

NOTES

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. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. The Division Traffic Engineer will determine the hours of use for each phasing plan.
7. 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)
- ← - - - UNSIGNALIZED MOVEMENT
- ← - - - PEDESTRIAN MOVEMENT



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 | ⊠ Inductive Loop Detector |
| ⊠ Controller & Cabinet Junction Box | ⊠ Controller & Cabinet Junction Box |
| - - - 2-in Underground Conduit | - - - 2-in Underground Conduit |
| - - - Right of Way | - - - Right of Way |
| → Directional Arrow | → Directional Arrow |
| ⊠ Metal Pole with Mastarm | ⊠ Metal Pole with Mastarm |
| - - - Directional Drill | - - - Directional Drill |
| ▬ Video Detection Zone | ▬ Video Detection Zone |
| ▬ Construction Zone | ▬ Construction Zone |
| ● Construction Zone Drums | ● Construction Zone Drums |
| (A) No Left/No U-Turn Sign (R3-18) | (A) No Left/No U-Turn Sign (R3-18) |

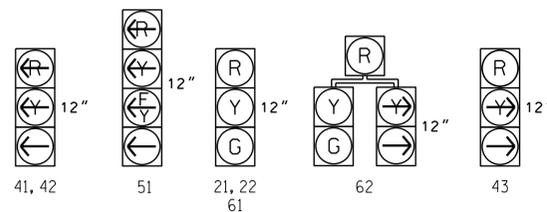
OASIS 2070 TIMING CHART

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	2.8	2.8	1.6
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	1.5	-	-	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.

SIGNAL FACE I.D.

All Heads L.E.D.



Signal Upgrade - Temporary Design 1 (TMP Phase I)

<p>Prepared in the Offices of:</p>	<p>NC 42 (Broadway Road) at US 421/NC 87 Bypass SB Ramps</p>		<p>SEAL</p>
	<p>Division 8 Lee County Sanford</p>	<p>PLAN DATE: March 2022 REVIEWED BY:</p>	
<p>750 N. Greenfield Pkwy, Garner, NC 27526</p>	<p>SCALE 0 40 1" = 40'</p>	<p>REVISIONS</p>	<p>INIT. DATE</p>

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

04/21/2022
 DATE
 SIG. INVENTORY NO. 08-1064T1