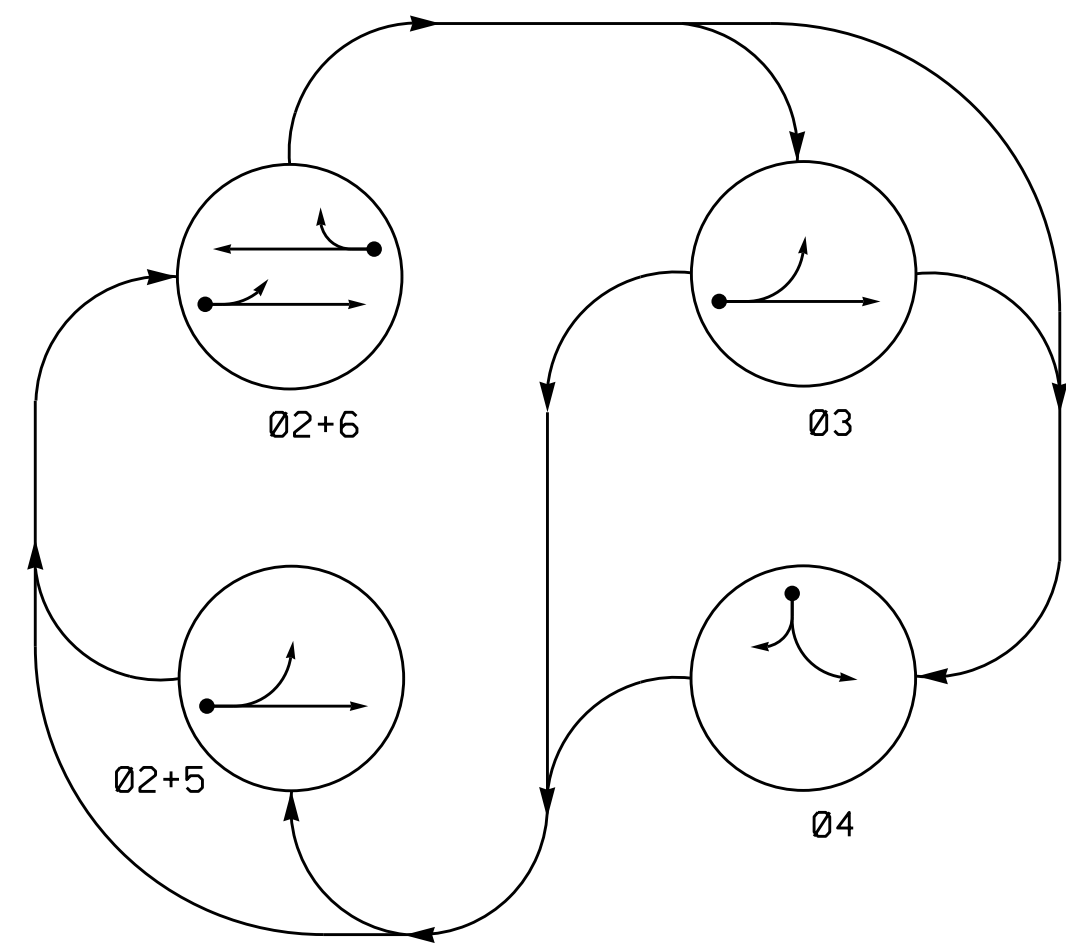


PHASING DIAGRAM



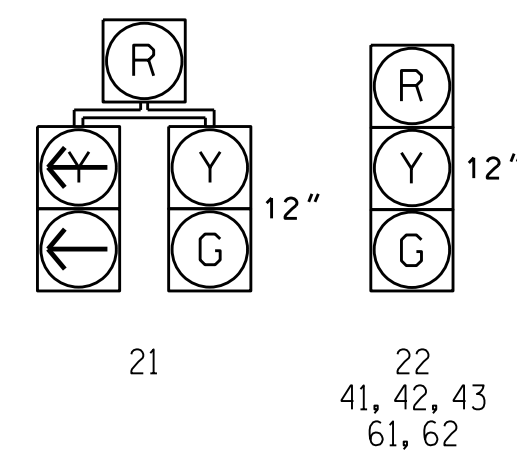
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE				
	Ø2+5	Ø2+6	Ø3	Ø4	FLASH
21	G	G	R	Y	
22	G	G	R	Y	
41, 42, 43	R	R	R	G	R
61, 62	R	G	R	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



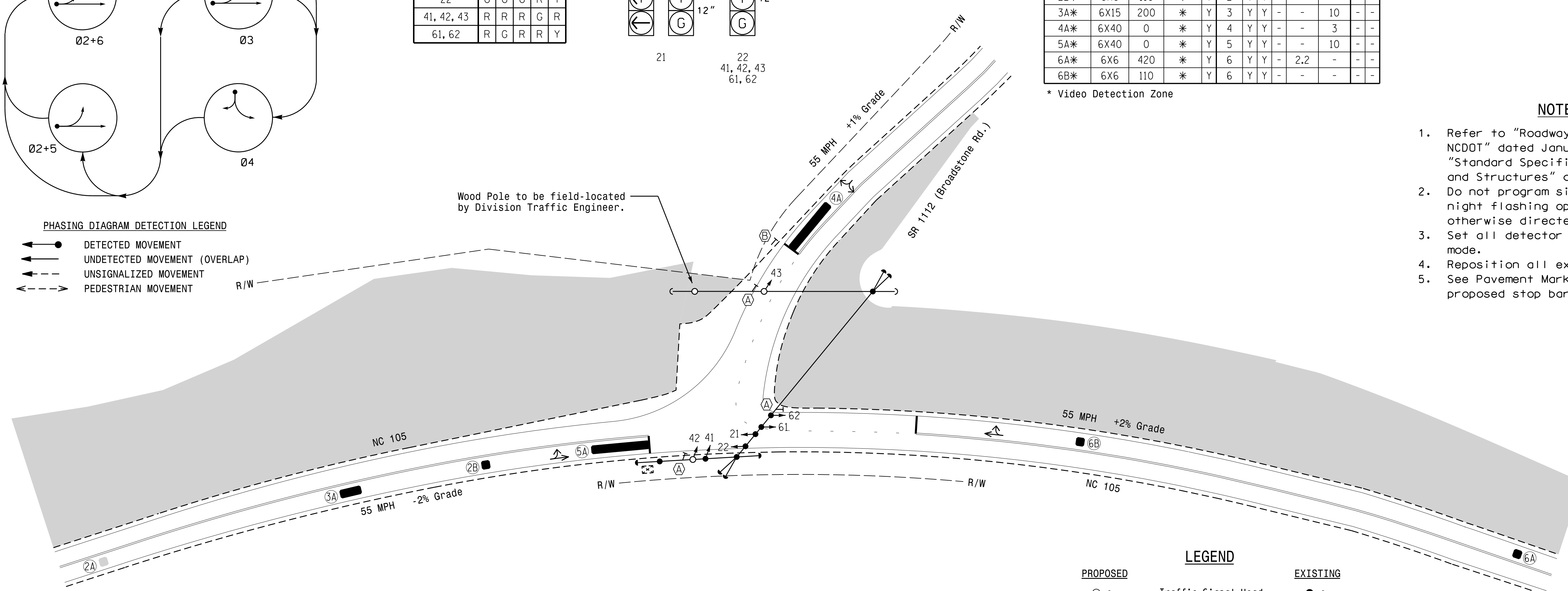
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY			
2A*	6X6	420	*	-	2	Y	Y	-	2.2	-	-
2B*	6X6	110	*	Y	2	Y	Y	-	-	-	-
3A*	6X15	200	*	Y	3	Y	Y	-	-	10	-
4A*	6X40	0	*	Y	4	Y	Y	-	-	3	-
5A*	6X40	0	*	Y	5	Y	Y	-	-	10	-
6A*	6X6	420	*	Y	6	Y	Y	-	2.2	-	-
6B*	6X6	110	*	Y	6	Y	Y	-	-	-	-

* Video Detection Zone

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.
- Set all detector units to presence mode.
- Reposition all existing signal heads.
- See Pavement Marking Plans for proposed stop bar locations.



Wood Pole to be field-located by Division Traffic Engineer.

OASIS 2070 TIMING CHART

FEATURE	PHASE				
	2	3	4	5	6
Min Green 1 *	14	7	7	7	14
Extension 1 *	2.0	2.0	2.0	2.0	2.0
Max Green 1 *	60	25	25	15	60
Yellow Clearance	5.4	5.4	3.0	3.0	5.4
Red Clearance	2.1	3.4	4.1	3.4	2.1
Red Revert	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-
Don't Walk 1	-	-	-	-	-
Seconds Per Actuation *	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Recall Mode	MIN RECALL	-	-	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	-	-	YELLOW
Dual Entry	-	-	-	-	-
Simultaneous Gap	ON	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 |
| ⊥ Pedestrian Signal Head With Push Button & Sign | ⊥ Sign |
| ○ ⊥ Signal Pole with Guy | ● ⊥ Signal Pole with Sidewalk Guy |
| ⊥ ⊥ Signal Pole with Sidewalk Guy | ⊥ ⊥ Inductive Loop Detector |
| ⊠ Inductive Loop Detector | ⊠ Controller & Cabinet |
| □ Junction Box | □ Junction Box |
| — 2-in Underground Conduit | — 2-in Underground Conduit |
| N/A Right of Way | N/A Right of Way |
| → Directional Arrow | → Directional Arrow |
| ■ Video Detection Zone | ■ Construction Zone |
| ○ "NO TURN ON RED" Sign (R10-11) | ○ "NO TURN ON RED" Sign (R10-11) |
| Ⓟ "STOP HERE ON RED" Sign (R10-6) | Ⓟ "STOP HERE ON RED" Sign (R10-6) |

Signal Upgrade - Temporary Design - Phase II

	<p>NC 105 at SR 1112 (Broadstone Rd.)</p>					
	<p>Division 11 Watauga County Boone</p> <p>PLAN DATE: April 2019 REVIEWED BY: T.J. Williams</p> <p>PREPARED BY: R.N. Zinser REVIEWED BY:</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>		INIT.	DATE	
INIT.	DATE					
<p>750 N. Greenfield Hwy, Garner, NC 27529</p> <p>SCALE: 0 40 1" = 40'</p>	<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>SEAL</p> <p>DATE: 5/16/2019</p> <p>SIG. INVENTORY NO. II-1054T3</p>		<p>DATE</p>			