

PHASING DIAGRAM

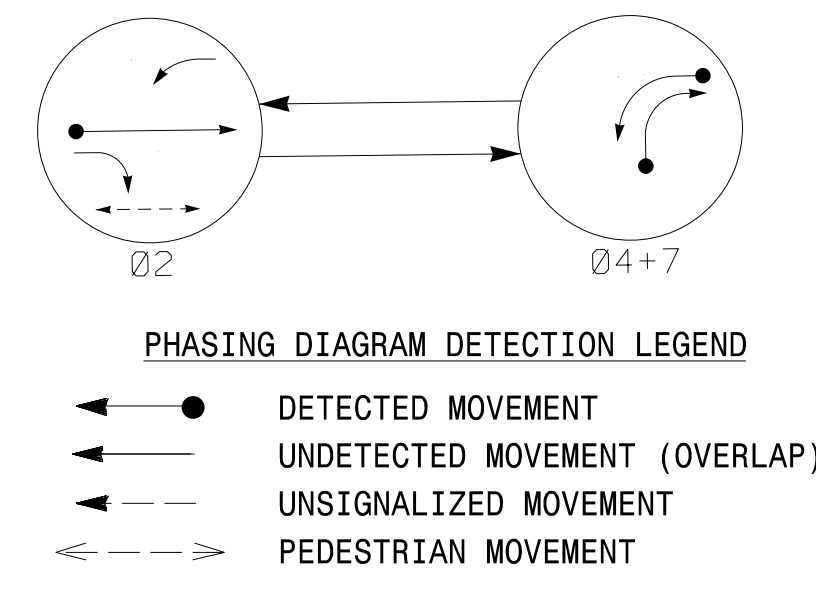


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	0 2	0 4 + 7	FLASH
21, 23	↑	R	Y
23	↓	R	Y
41, 42	R	→	R
71, 72	↓	←	Y
P21, P22	W	DW	DRK

MAXTIME DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	PROGRAMMING								
			DETECTOR	TURN	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	CALL	NEW CARD
2A	*	300	*	*	2	-	1.6	X	X	-	*
2B	*	90	*	*	2	-	-	X	X	-	*
4A	*	0	*	*	4	15.0	-	X	X	-	*
7A	*	0	*	*	7	15.0*	-	X	X	-	*

*Video Detection Zone

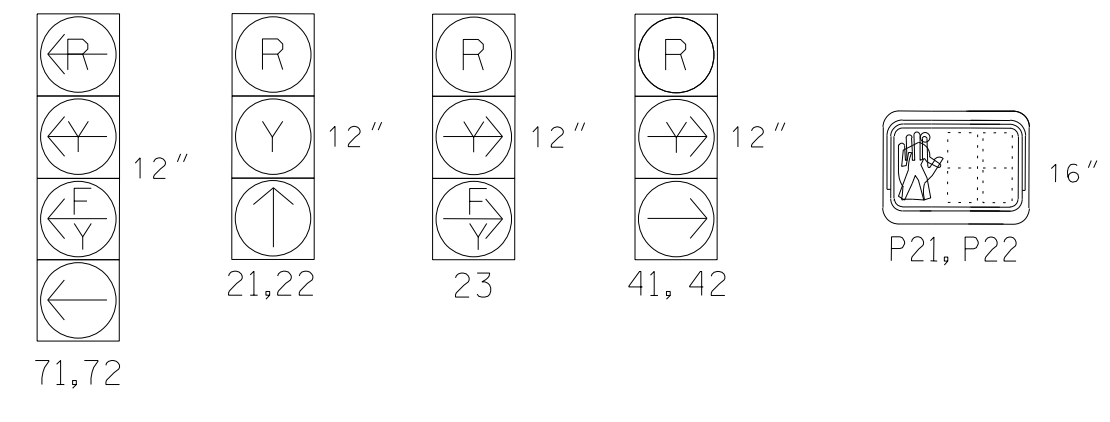
2 Phase Fully Actuated (Isolated)

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 operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
8. To provide a leading pedestrian interval on phase 6, program FYA heads 71,72 and 23 to delay for 3 seconds after the start of the phase 6 walk interval. See electrical details.
9. Refer to Pavement Marking Plans for proposed stop bar locations.
10. Reposition signal heads as shown on this plan.

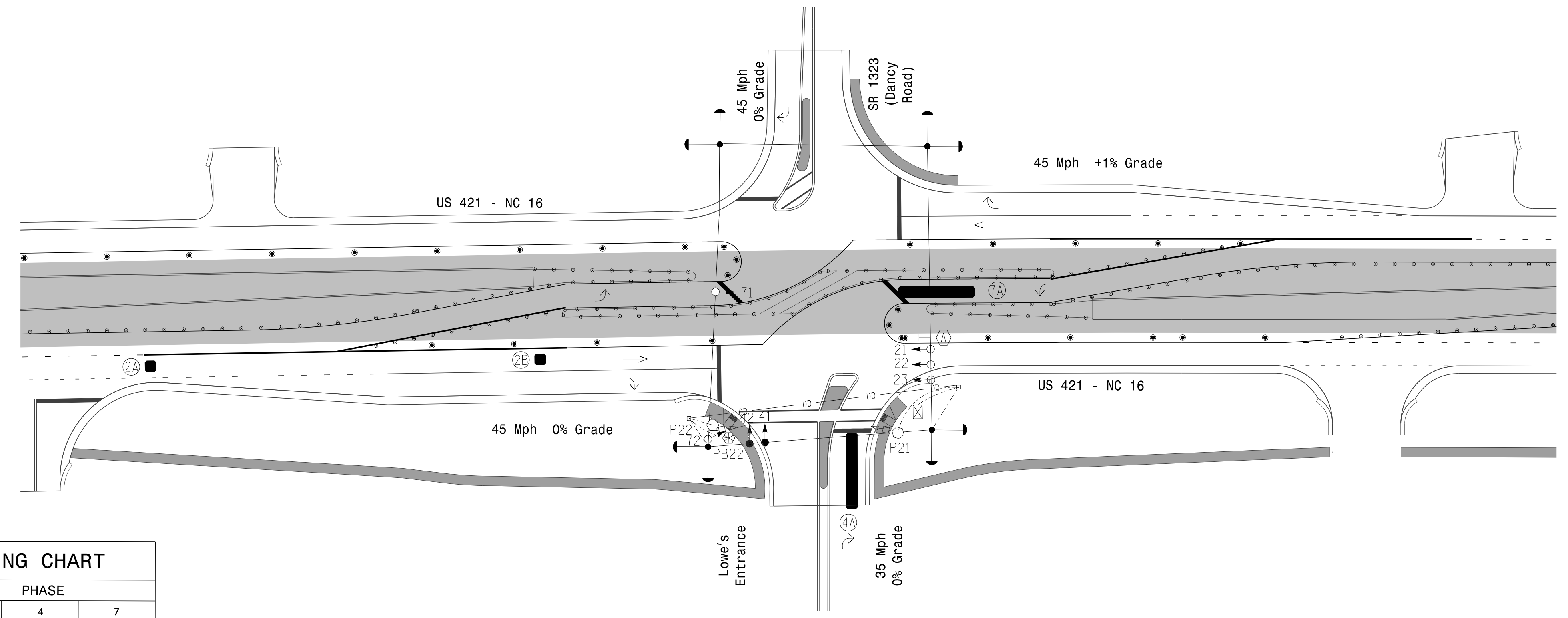
SIGNAL FACE I.D.

All Heads L.E.D.



LEGEND

PROPOSED	EXISTING
	N/A
N/A	
	N/A
	N/A
	N/A



MAXTIME TIMING CHART

FEATURE	PHASE		
	2	4	7
Walk *	7	-	-
Ped Clear *	16	-	-
Min Green	12	7	7
Passage *	2.0	2.0	2.0
Max I *	60	30	30
Yellow Change	4.5	3.0	3.0
Red Clear	1.3	1.4	2.3
Added Initial *	-	-	-
Maximum Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Advance Walk	**	-	-
Non Lock Detector	-	X	X
Vehicle Recall	MIN RECALL	-	-
Dual Entry	-	X	X

* 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.
 ** See Note 8

2/14/2012 6:30:44 AM R:\Traffic\Signals\Design Plans\Temporary Signal Design\U5312_11-1460T1_Ph 9_Sig _dsn_Lowes Ent.dgn schiluka

New Installation - Temporary Design 1(Phase 9)

 Prepared For the Offices of: Transportation Mobility and Safety Division NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SIGNAL DESIGN SECTION 750 N. Greenfield Pkwy, Garner, NC 27529	US 421 - NC 16 at Lowe's Entrance		SEAL S.R. CHILUKA PROFESSIONAL ENGINEER 047250
	Division 11 Wilkes County Wilkesboro PLAN DATE: May 2023 REVIEWED BY: M.L. Stygles PREPARED BY: S.R. Chiluka REVIEWED BY: J. Ma	REVISIONS INIT. DATE	

DocuSign by SRCheWuk 5/26/2023
 SIG. INVENTORY NO. 11-1460T1