PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

 $<\!\!--\!\!>$ PEDESTRIAN MOVEMENT

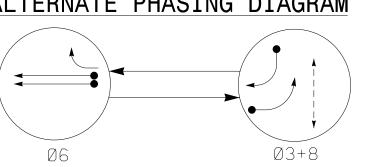
SIGNAL FACE I.D.

All Heads L.E.D.

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION				
	P	HAS	E	
SIGNAL FACE	Ø 6	Ø 3 + 8	FLASI	
31,32	Ŧ	—	*	
61,62	1	R	Y	
63	F	R	Y	
81,82	R		R	
P81,P82	DW	W	DRK	

ALTERNATE PHASING

TABLE OF OPERATION

SIGNAL FACE

31,32

61.62

63

81,82

PHASE

F R Y

 $|R| \rightarrow |F|$

P81,P82 DW W DR

DETECTOR				PROGRAMMING								
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREE	NEW CARD
3A	6X40	0	2-4-2	Χ	3	15.0*	-	Χ	_	Χ	-	Х
6A	6X6	300	4	Χ	6		-	Χ	Χ	Χ	_	Х
6B	6X6	300	4	Χ	6		-	Χ	Χ	Χ	_	Х
8A	6X40	0	2-4-2	Χ	8	15.0	-	Χ	_	Χ	_	Х
S1	6X6	200	5	Х	_	-	-	_	_	-	_	Х

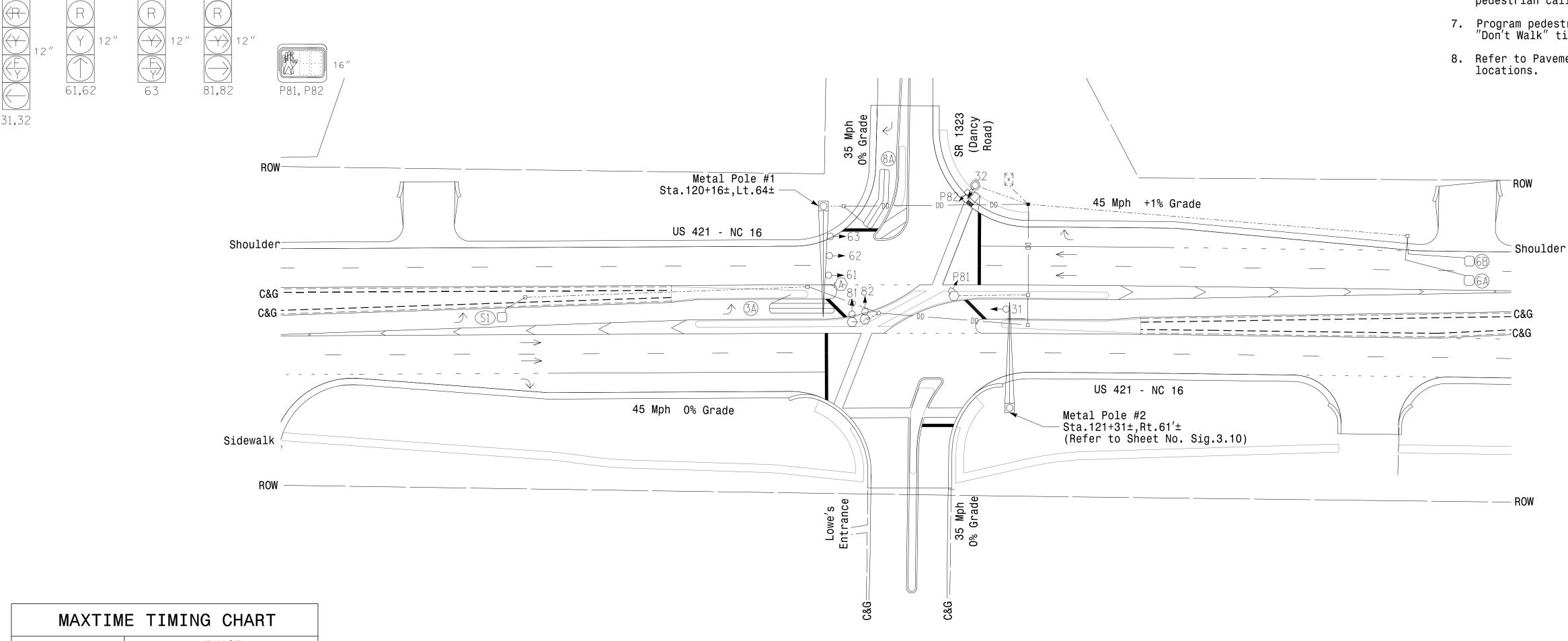
2 Phase Fully Actuated

Sig.3.4 U-5312

W/ Alternate Phasing Operation Wilkesboro Closed Loop System

NOTES

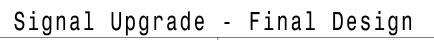
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Set all detector units to presence mode.
- 4. The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 8. Refer to Pavement Marking Plans for proposed stop bar locations.



MAXTIME TIMING CHART							
FEATURE	PHASE						
FEATURE	3	6	8				
Walk *	_	_	7				
Ped Clear *	_	_	12				
Min Green	7	12	7				
Passage *	2.0	6.0	2.0				
Max 1 *	30	60	30				
Yellow Change	3.0	4.4	3.8				
Red Clear	2.4	1.3	1.0				
Added Initial *	_	1.5	_				
Maximum Initial *	_	34	_				
Time Before Reduction *	_	15	_				
Time To Reduce *	_	30	_				
Minimum Gap	_	3.4	_				
Advance Walk	_	_	_				
Non Lock Detector	Х	_	Х				
Vehicle Recall	_	MIN RECALL	_				
Dual Entry	х	_	х				

Extension times for phases 2 and 6 lower than what is shown. Min Green

	LEGEND	
<u>PROPOSED</u>		<u>EXISTING</u>
\bigcirc	Traffic Signal Head	•
$\overline{}$	Sign	\dashv
	Pedestrian Signal Head With Push Button & Sign	•
	Type II Signal Pedestal	•
0	Metal Pole with Mastarm	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
—— DD ———	Directional Drill	N/A
	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
$\langle \overline{\mathbb{A}} \rangle$	No Left Turn Sign (R3-2)	
	Wheelchair Ramp	





US 421-NC 16 SR 1323 (Dancy Road)

	Divsion 11 Wilkes Cou			ounty	Wilkesboro			
	PLAN DATE:	May	y 2023	REVIEWED BY:	M. Sty	gles		
27529	PREPARED BY:	S.R.	Chiluka	REVIEWED BY:	J. N	la		
		DEVICIO	NC		INIT	DATE		

047250

for all other phases should not be lower than 4 seconds.

1/30/2023 8:54:37 AM R:\Traffic\Signals\De schiluka

940 Main Campus Drive, Suite 500 Raleigh, NC 27606 919.829.0328 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

SIG. INVENTORY NO.