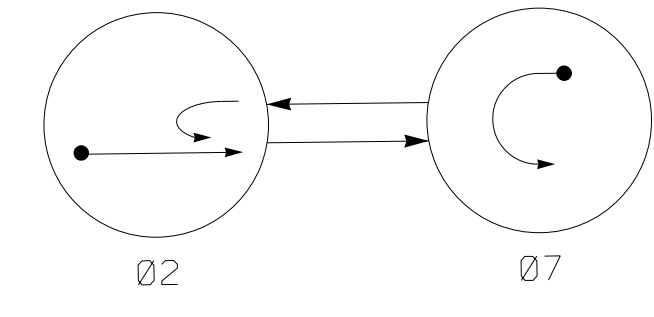


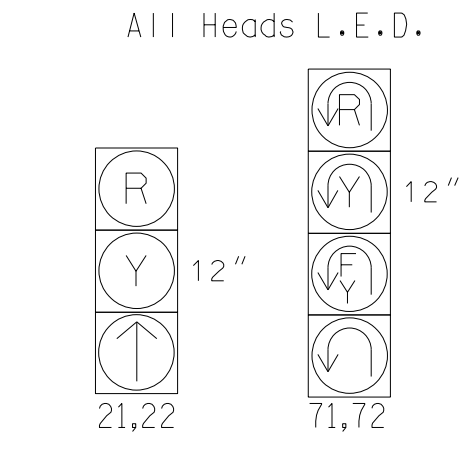
3/4/2023 10:09:33 PM R:\Tratt\C:\Users\Signal\Public\Signal\Projects\Temporary Signal Design Plans\Temporary Signal Design Plans\Signal\5312_11-XXXXT1_Ph 9_Sig _dsn_Dancy Rd West U Turn.dgn schiluka

PHASING DIAGRAM



- PHASING DIAGRAM DETECTION LEGEND**
- ◐ DETECTED MOVEMENT
 - ◑ UNDETECTED MOVEMENT (OVERLAP)
 - ◒ UNSIGNALIZED MOVEMENT
 - ◓ PEDESTRIAN MOVEMENT

SIGNAL FACE I.D.



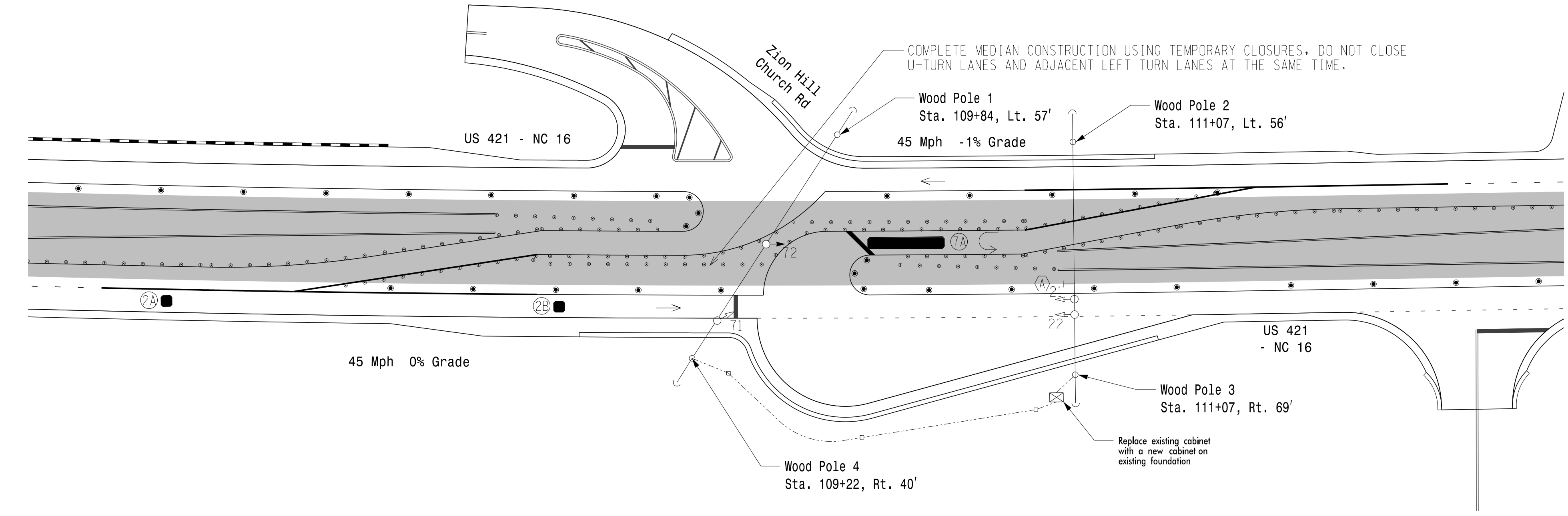
SIGNAL FACE	PHASE		
	02	07	FLASH
21,22	↑	R	Y
71,72	⤵	⤴	⤶

MAXTIME DETECTOR INSTALLATION CHART												
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND INITIAL	CALL	DELAY DURING GREEN	NEW CARD	
2A	*	300	*	*	2	-	1.6	X	-	X	-	*
2B	*	90	*	*	2	-	-	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. Refer to Pavement Marking Plans for proposed stop bar locations.



LEGEND	
PROPOSED	EXISTING
◌	◌
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MAXTIME TIMING CHART		
FEATURE	PHASE	
	2	7
Walk *	-	-
Ped Clear *	-	-
Min Green	12	7
Passage *	2.0	2.0
Max 1 *	60	30
Yellow Change	4.5	3.0
Red Clear	1.1	4.0
Added Initial *	-	-
Maximum Initial *	-	-
Time Before Reduction *	-	-
Time To Reduce *	-	-
Minimum Gap	-	-
Advance Walk	-	-
Non Lock Detector	-	X
Vehicle Recall	MIN RECALL	-
Dual Entry	-	-

* 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.

New Installation - Temporary Design 1(Phase 9)

Prepared For the Offices of:

 US 421-NC 16 at
 SR 1323 (Dancy Road)/
 Lowe's Entrance
 West U-Turn
 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

SCALE: 0 to 40 feet, 1"=40'



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

 S.R. CHILUKA
 PROFESSIONAL ENGINEER

DATE: 5/24/2023
 SIGNATURE:
 DATE:
 SIGNATURE:
 DATE:
 S.I.G. INVENTORY NO. 11-1467T