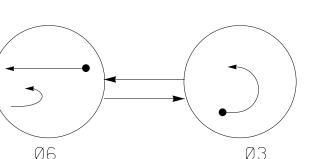
PHASING DIAGRAM



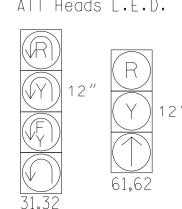
PHASING	DIAGRAM	DETECTION	LEGEND

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP)

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

TABLE OF O	PER	ATI	(
	Р	HAS	E
SIGNAL	Ø 3	Ø 6	
FACE	3	6	
31,32	$\left  \begin{array}{c} \\ \end{array} \right $	<b>√</b> FY	f
61,62	R	$\uparrow$	

SIGNAL	FACE	I.D.	
A I I II a	مام ا ٦		



MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR			PROGRAMMING								
SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
*	0	*	*	3	15.0	-	Χ	-	Χ	-	*
*	300	*	*	6	-	1.6	Χ	ı	Χ	-	*
	SIZE (FT)	DETECTOR  SIZE FROM STOPBAR (FT)  * O	DETECTOR  SIZE FROM STOPBAR (FT)  * O *	DETECTOR  SIZE FROM STOPBAR (FT)  * 0 * *	DETECTOR  SIZE FROM STOPBAR (FT)  * O * * 3	DETECTOR  SIZE   DISTANCE   FROM STOPBAR (FT)   FTOPBAR (FT)   FTO	DETECTOR  SIZE FROM STOPBAR (FT)  ** O ** * 3 15.0 -	DETECTOR  SIZE FROM STOPBAR (FT)  * O * * 3 15.0 - X	DETECTOR  SIZE FROM STOPBAR (FT)  ** O ** * 3 15.0 - X -	DETECTOR  SIZE FROM STOPBAR (FT)  ** O ** * 3 15.0 - X - X	DETECTOR  SIZE OF FROM STOPBAR (FT)  ** O ** * 3 15.0 - X - X -

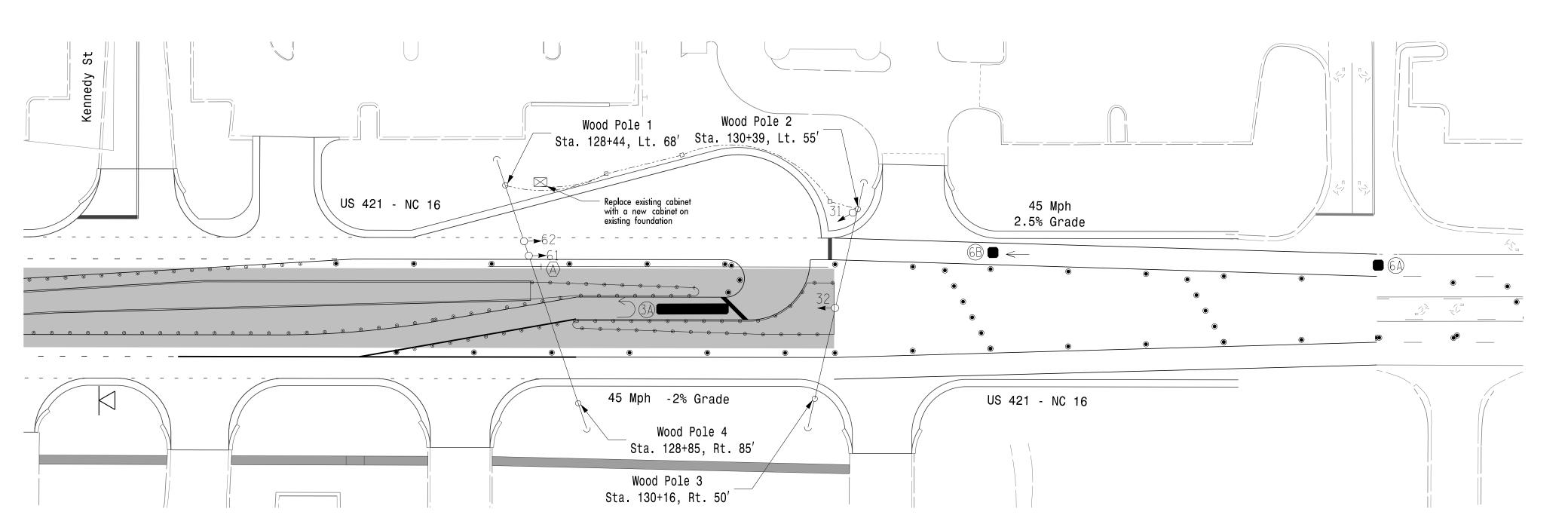
\* 90 \* \* 6 - - X - X - \*

stVideo Detection Zone

## 2 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 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 schieve the desitred detection.
- 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.



MAXTIME 7	ΓIMING	CHART			
FEATURE	Ph	PHASE			
FEATURE	3	6			
Walk *	_	_			
Ped Clear *	_	_			
Min Green	7	12			
Passage *	2.0	2.0			
Max 1 *	30	60			
Yellow Change	3.0	4.3			
Red Clear	3.3	1.0			
Added Initial *	_	_			
Maximum Initial *	_	_			
Time Before Reduction *	_	_			
Time To Reduce *	_	_			
Minimum Gap	_	_			
Advance Walk	_	_			
Non Lock Detector	Х	_			
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.

	LEGEND	
<u>PROPOSED</u>		<u>EXISTING</u>
	Curb Ramp	
<u> </u>	Signal Pole with Guy	•—•
	Signal Pole with Sidewalk Guy	
$\bigcirc$	Traffic Signal Head	<b>—</b>
	Sign	
<b>\_</b>	Pedestrian Signal Head With Push Button & Sign	<b>*</b>
	Inductive Loop Detector	
	Video Detection Zone	N/A
	Construction Zone	N/A
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
	Right of Way	
——E——	Temporary Construction Easement	N/A
$\longrightarrow$	Directional Arrow	$\longrightarrow$
$\bigcirc$	Type II Signal Pedestal	•
$\langle A \rangle$	No Left Turn Sign (R3-2)	A
•	Drum	N/A
lacktriangle	Skinny Drum	N/A

VHB Engineering NC, P.C. (C-3705) 940 Main Campus Drive, Suite 500 Raleigh, NC 27606 919.829.0328 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED New Installation - Temporary Design 1(Phase 9)

Prepared for the Offices of:
US 421-NC 16 at



SR 1323 (Dancy Road)/ Lowe's Entrance East U-Turn

Divsion 11 Wilkes County May 2023 REVIEWED BY: M.L. Stygles

750 N.Greenfield Pkwy, Garner, NC 27529 PREPARED BY: S.R. Chiluka REVIEWED BY:

047250 Wilkesboro INIT. DATE

SIG. INVENTORY NO. ||-|468T|

SEAL

PROJECT REFERENCE NO.

U-5312

Sig.4.0