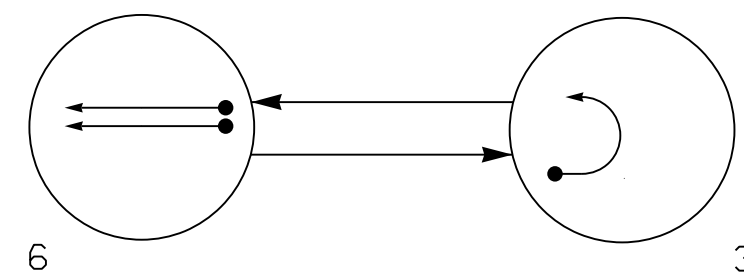


PHASING DIAGRAM

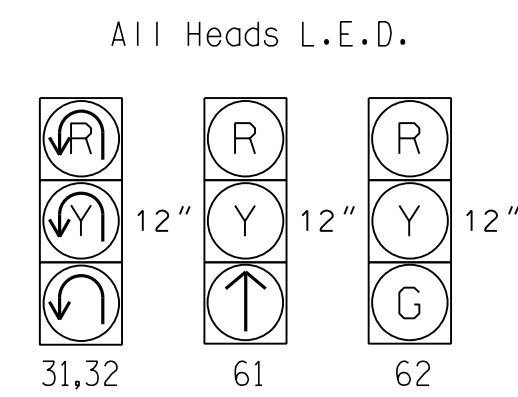


PHASING DIAGRAM DETECTION LEGEND

- ◄●► DETECTED MOVEMENT
- ◄◄◄ UNDETECTED MOVEMENT (OVERLAP)
- ◄--- UNSIGNALIZED MOVEMENT
- ◄---> PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE		
	6	3	FLASH
31,32	R	L	R
61	↑	R	R
62	G	R	R

SIGNAL FACE I.D.



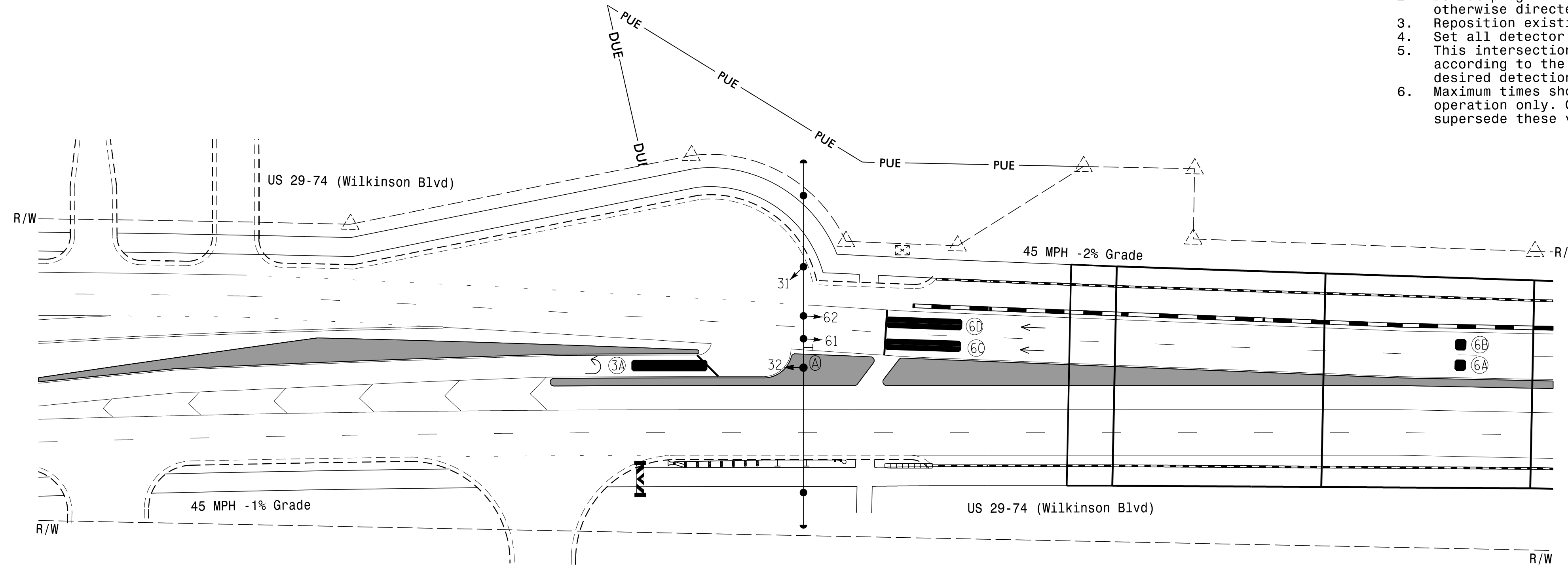
MAXTIME DETECTOR INSTALLATION CHART												
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
3A	6X40	0	*	*	3	-	-	X	-	X	-	*
6A	6X6	300	*	*	6	-	-	X	X	X	-	*
6B	6X6	300	*	*	6	-	-	X	X	X	-	*
6C	6X40	0	*	*	6	5.0	2.0	X	-	X	X	*
6D	6X40	0	*	*	6	5.0	2.0	X	-	X	X	*

* VIDEO DETECTION ZONE

2 Phase Fully Actuated (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specification for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Reposition existing signal heads numbered 61 and 62.
- Set all detector units to presence mode.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



FEATURE	PHASE	
	3	6
Walk *	-	-
Ped Clear	-	-
Min Green *	7	12
Passage *	2.0	6.0
Max 1 *	30	90
Yellow Change	3.0	4.7
Red Clear	4.2	1.6
Added Initial *	-	-
Maximum Initial *	-	-
Time Before Reduction *	-	15
Time To Reduce *	-	30
Minimum Gap	-	3.0
Advance Walk	-	-
Non Lock Detector	X	X
Vehicle Recall	-	MIN RECALL
Dual Entry	-	-

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

PROPOSED	EXISTING
○→	●→
○→	N/A
+	+
↓	↓
○→	●→
○→	●→
⊗	⊗
□	■
---	---
N/A	---
→	→
N/A	---
▬	▬
▬	▬
ⓐ	ⓐ

Signal Upgrade
Temporary Design 2 - TMP Phase IV Step 1

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

 P: (919) 878-8560 8801 Six Forks Road Suite 700 Raleigh, North Carolina 27615-2965 NC License No. F-0112 Engineers Construction Managers Planners Scientists www.rk.com Responsive People Creative Solutions	Prepared for the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	US 29-74 (Wilkinson Blvd) at Eastbound U-Turn Bulb West of Catawba River Bridge Division 12 Gaston County Belmont		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER 044558 DAVID T. SEARS David T. Sears 8/1/2025
		PLAN DATE: August 2025 PREPARED BY: WP Erickson-Jones REVIEWED BY: DT Sears	REVIEWED BY: DT Sears	