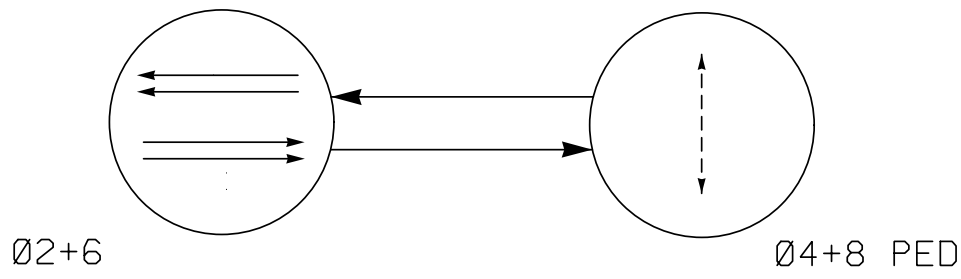


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

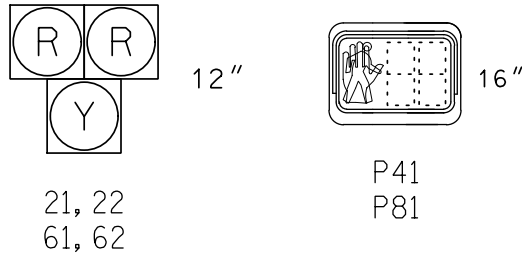
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE					
	Ø 2 + 6 DARK	ACTIVATION	STEADY YELLOW	ALL RED	Ø 4 + 8 PED WALK	Ø 4 + 8 PED CLEAR
21,22	DRK	FY	Y	R	R	FR*
61,62	DRK	FY	Y	R	R	FR*
P41	DW	DW	DW	DW	W	FDWDRK
P81	DW	DW	DW	DW	W	FDWDRK

\* ALTERNATING FLASH

SIGNAL FACE I.D.

All Heads L.E.D.

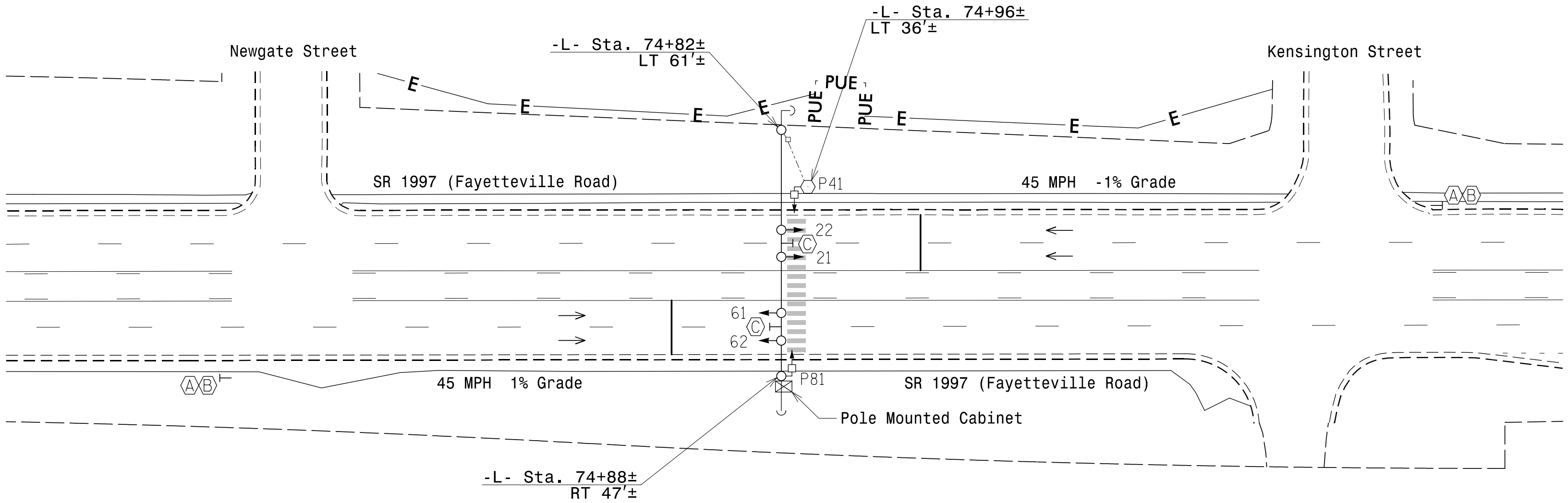


- Y - Steady Yellow
- FY - Flashing Yellow
- R - Steady Red
- FR - Flashing Red
- W - Walk
- DW - Don't Walk
- FDW - Flashing Don't Walk
- DRK - Dark

2 Phase  
Semi-Actuated  
Pedestrian Hybrid Beacon  
(Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Enable Ped Clear During Red for phase 4 PED and phase 8 PED.
- Locate Pedestrian and Crosswalk advance signs in accordance with Table 2C-3 in Section 2C.04 of the 2023 MUTCD or as otherwise directed by the Engineer.



LEGEND

- | PROPOSED                                                            | EXISTING |
|---------------------------------------------------------------------|----------|
| Traffic Signal Head                                                 | N/A      |
| Modified Signal Head Sign                                           | N/A      |
| Pedestrian Signal Head With Push Button & Sign                      | N/A      |
| Signal Pole with Guy                                                | N/A      |
| Signal Pole with Sidewalk Guy                                       | N/A      |
| Inductive Loop Detector                                             | N/A      |
| Controller & Cabinet                                                | N/A      |
| Junction Box                                                        | N/A      |
| 2-in Underground Conduit                                            | N/A      |
| N/A                                                                 | N/A      |
| Right of Way                                                        | N/A      |
| Directional Arrow                                                   | N/A      |
| N/A                                                                 | N/A      |
| Curb Ramp                                                           | N/A      |
| Construction Zone                                                   | N/A      |
| (A) Pedestrian Crossing Sign (W11-2) (See Figure 1)                 | (A) N/A  |
| (B) "AHEAD" Plaque (W16-9P) (See Figure 1)                          | (B) N/A  |
| (C) "STOP ON RED - YIELD ON FLASHING RED AFTER STOP" Sign (R10-23a) | (C) N/A  |

MAXTIME TIMING CHART				
FEATURE	PHASE			
	2	4 PED	6	8 PED
Walk *	-	7	-	7
Ped Clear *	-	16	-	16
Min Green	10	7	10	7
Passage *	0.0	0.0	0.0	0.0
Max 1 *	30	7	30	7
Yellow Change	4.6	3.0	4.6	3.0
Red Clear	2.0	0.0	2.0	0.0
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Advance Walk	-	-	-	-
Pre Clearance	5.0	-	5.0	-
Non Lock Detector	-	X	-	X
Vehicle Recall	MIN 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 - TMP Phase I

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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

SR 1997 (Fayetteville Road)  
at  
Pedestrian Hybrid Beacon/  
N. of SR 1948 (Linkhaw Road)  
Division 6 Robeson County Lumberton  
PLAN DATE: Feb 2025 REVIEWED BY: H.M. Surti  
PREPARED BY: R.L. Aristondo REVIEWED BY: T.M. Woody  
REVISIONS INIT. DATE  
SCALE 0 40  
1"=40'

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED  
SEAL  
NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
RENT M. MOODY  
2/10/2025  
DATE  
SIG. INVENTORY NO. 06-141611