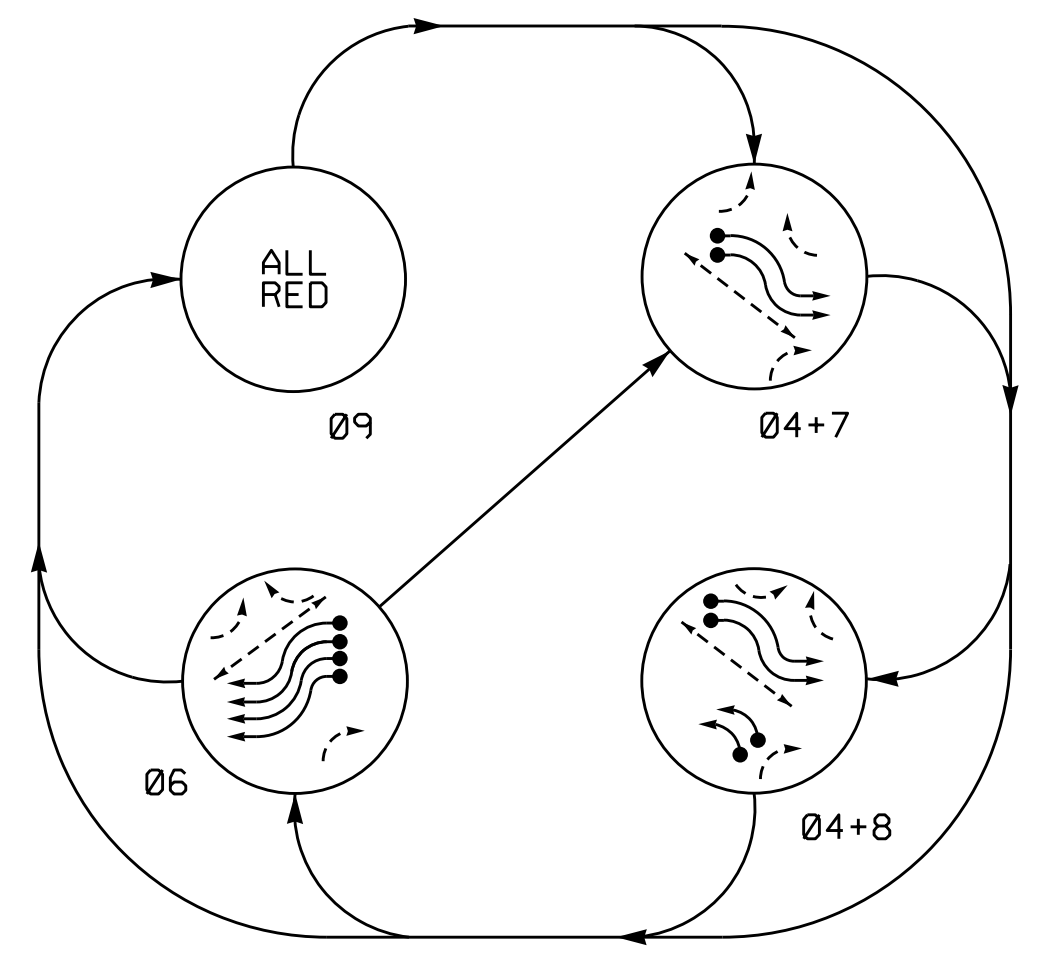


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ● → DETECTED MOVEMENT
 ○ → UNDETECTED MOVEMENT (OVERLAP)
 - - - → UNSIGNALIZED MOVEMENT
 - - - → PEDESTRIAN MOVEMENT

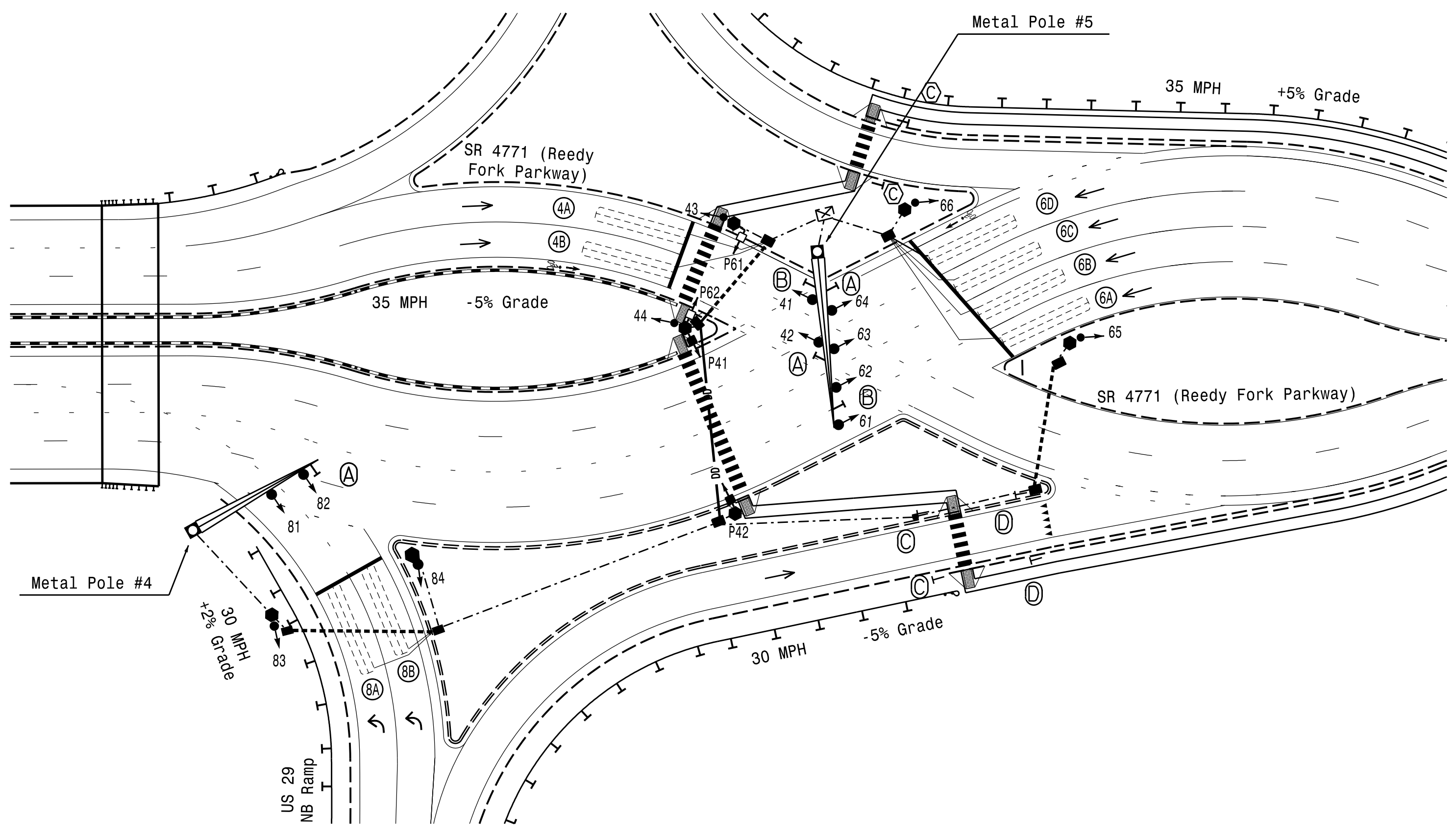
SIGNAL FACE	PHASE							
	Ø 6	Ø 4 + 7	Ø 4 + 8	A Ø L	F Ø L	H Ø L	A Ø L	F Ø L
41,42	R			R	R			
43,44	R	/	/	R	R			
61,62,63,64		R	R	R	R			
65,66	/	R	R	R	R			
81,82	R	R	/	R	R			
83,84	R	R	/	R	R			
P41,P42	DW	W	W	DW	DRK			
P61,P62	W	DW	DW	DW	DRK			

ASC/3 DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP NEW CARD
4A	6X40	0	2-4-2	-	4	Yes	-	-	-	S	-
4B	6X40	0	2-4-2	-	4	Yes	-	-	-	S	-
6A	6X40	0	2-4-2	-	6	Yes	-	-	-	S	-
6B	6X40	0	2-4-2	-	6	Yes	-	-	-	S	-
6C	6X40	0	2-4-2	-	6	Yes	-	-	-	S	-
6D	6X40	0	2-4-2	-	6	Yes	-	-	-	S	-
8A	6X40	0	2-4-2	-	8	Yes	-	-	-	S	-
8B	6X40	0	2-4-2	-	8	Yes	-	-	-	S	-

3 Phase Fully Actuated
 SR 4771 (Reedy Fork Parkway) CLS
 Signal System: 10727

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.
- Program controller for start up in phase 4 Red Clear and phase 8 Red Clear.
- Set all detector units to presence mode.
- Omit phase 8 during phase 6 on.
- Program controller to clear from phase 6 to phase 8 by progressing through phase 7.
- Omit phase 7 during phase 8 on.
- Phase 7 provides red clearance for vehicles traveling eastbound on Reedy Fork Parkway.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data:
Controller Asset #: 0905

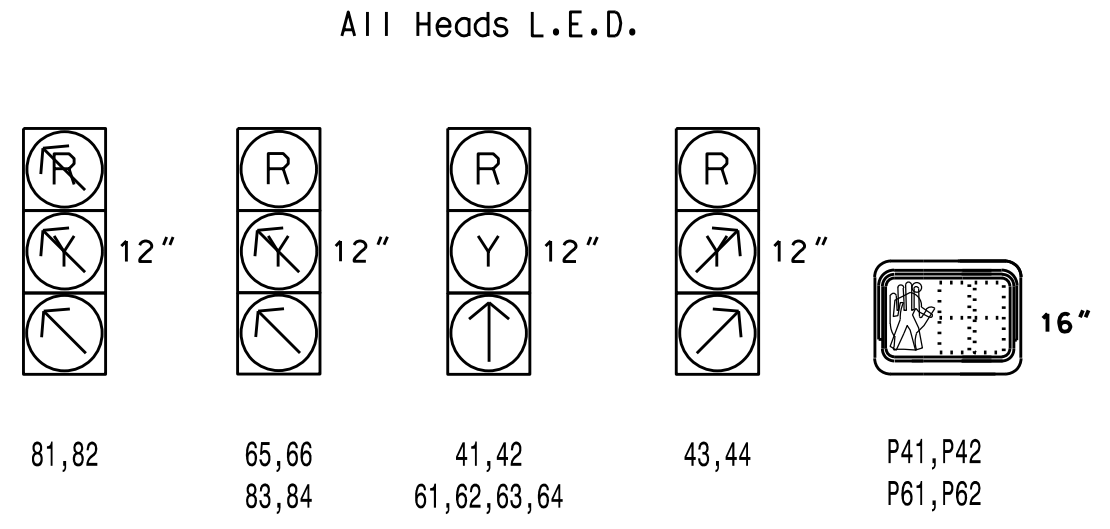


LEGEND

- | PROPOSED | EXISTING |
|--------------------------------------------------------------------------|-------------|
| ○ → Traffic Signal Head | ● → N/A |
| ○ → Modified Signal Head | ○ → 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 |
| □ → Oversize Junction Box | □ → N/A |
| - - - → 2-in Underground Conduit | - - - → N/A |
| - - - → Directional Drill | - - - → N/A |
| N/A → Right of Way | N/A → N/A |
| → → Directional Arrow | → → N/A |
| N/A → Guardrail | N/A → N/A |
| ○ → Type II Signal Pedestal | ○ → N/A |
| ○ → Metal Pole with Mastarm | ○ → N/A |
| N/A → Curb Ramp | N/A → N/A |
| (A) → No Right Turn Sign (R3-1) | (A) → N/A |
| (B) → No Left Turn Sign (R3-2) | (B) → N/A |
| (C) → Pedestrian Crossing Sign (W11-2) w/ Diagonal Arrow Plaque (W16-Tp) | (C) → N/A |
| (D) → "YIELD" Sign (R1-2) | (D) → N/A |

FEATURE	PHASE				
	4	6	7 (DUMMY)	8	9 (ALL RED)
Min Green *	10	10	1	10	1
Walk *	7	7	0	0	0
Ped Clear	15	7	0	0	0
Veh. Extension *	2.0	2.0	0.0	2.0	0.0
Max I *	60	60	1	60	1
Yellow	4.2	3.6	3.0	3.4	3.0
Red Clear	2.6	2.3	1.0	2.1	1.0
Red Revert	2.0	2.0	2.0	2.0	2.0
Actuations B4 Add *	-	-	-	-	-
Seconds / Actuation *	-	-	-	-	-
Max Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Locking Detector	-	-	-	-	-
Recall Position	-	-	-	-	SOFT RECALL
Dual Entry	X	-	X	-	-
Simultaneous Gap	X	X	X	X	X

SIGNAL FACE I.D.



* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 2 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

Signal Upgrade -
 Temporary Design 2; (TMP Phase III- Step 5)

Project #: 180914

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SR 4771 (Reedy Fork Parkway) at US 29 Northbound Ramps

Division 7 Guilford County Greensboro

PLAN DATE: April 2020 REVIEWED BY: L. Boyer
 PREPARED BY: T.S. Warren REVIEWED BY: R. Hinshaw

REVISIONS: _____ INITI. _____ DATE _____

Seal: T. S. Warren, Professional Engineer, No. 032117, State of North Carolina

DocuSigned by: T. S. Warren 4/20/2020
 SIGNATURE DATE
 SIG. INVENTORY NO. 07-090572

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL