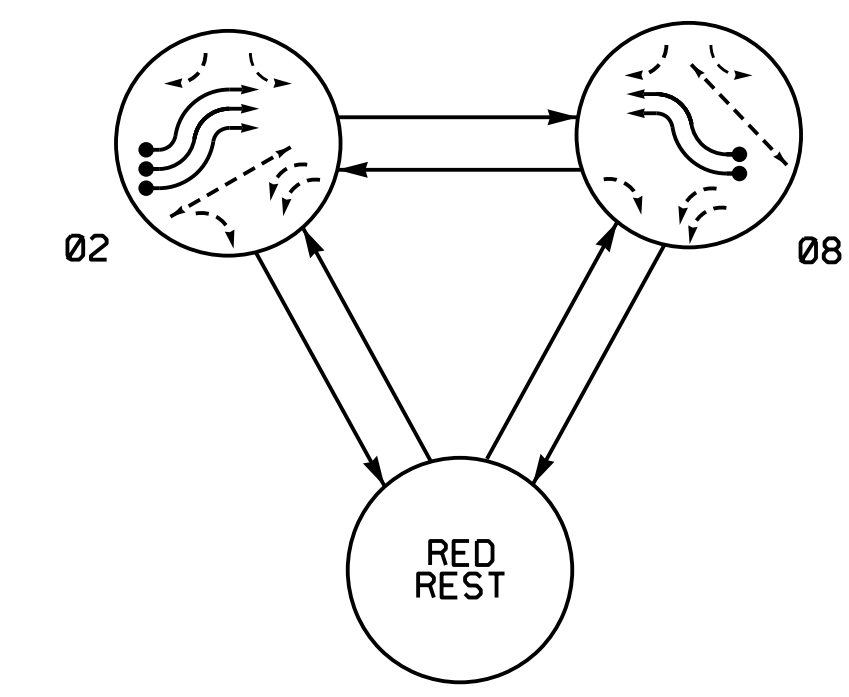
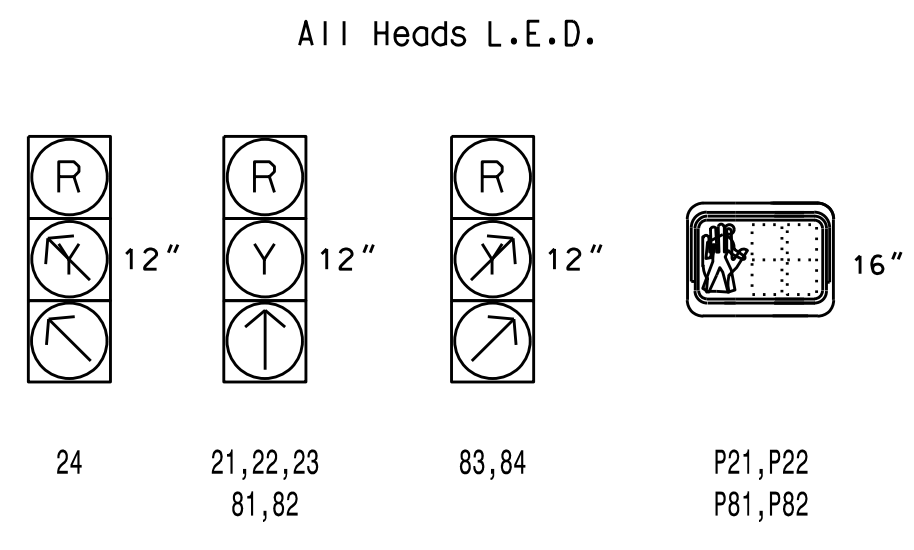


**PHASING DIAGRAM**



SIGNAL FACE	PHASE			
	02	08	RED REST	PEDESTRIAN
21,22,23	↑	R	R	R
24	↘	R	R	R
81,82	R	↑	R	R
83,84	R	↗	R	R
P21,P22	W	DW	DW	DRK
P81,P82	DW	W	DW	DRK

**SIGNAL FACE I.D.**



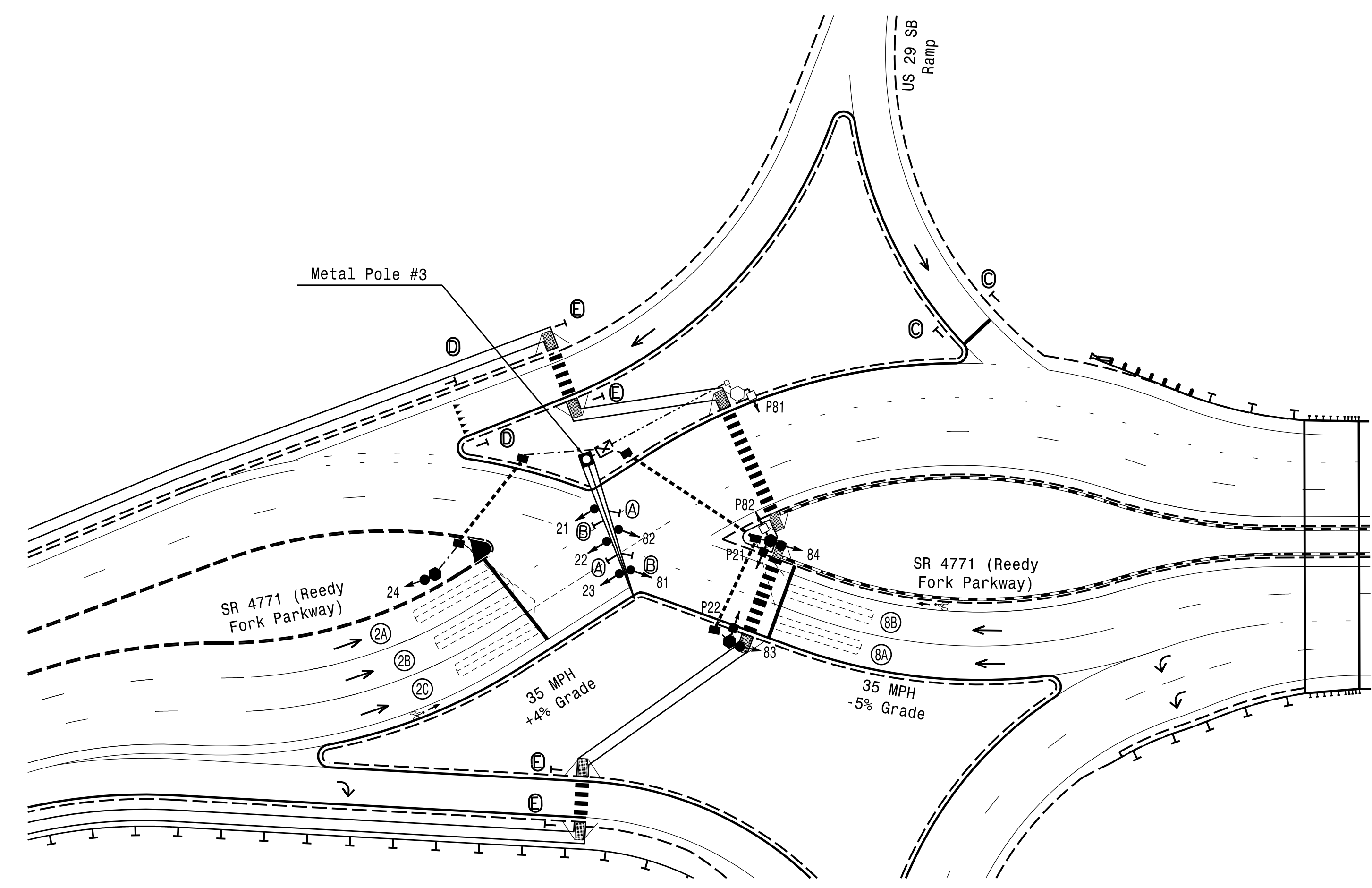
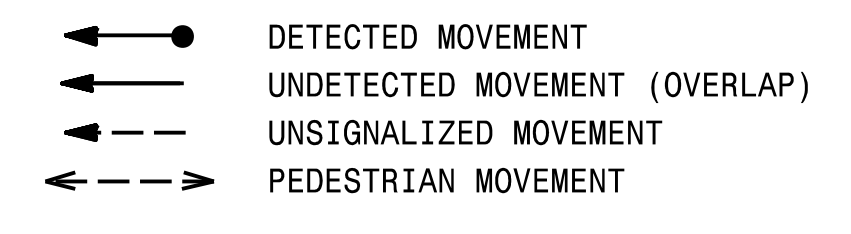
ASC/3 DETECTOR INSTALLATION CHART										
DETECTOR					PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP NEW CARD
2A	6X40	0	2-4-2	-	2	Yes	-	-	S	-
2B	6X40	0	2-4-2	-	2	Yes	-	-	S	-
2C	6X40	0	2-4-2	-	2	Yes	-	-	S	-
8A	6X40	0	2-4-2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

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

**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 flashing operation unless otherwise directed by the Engineer.
3. Program controller to startup in Phase 2 Red Clear.
4. Set all detector units to presence mode.
5. Program all phases for "Red Rest".
6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
9. Closed loop system data:  
Controller Asset #: 0904

**PHASING DIAGRAM DETECTION LEGEND**



FEATURE	PHASE	
	2	8
Min Green *	10	10
Walk *	7	7
Ped Clear	7	11
Veh. Extension *	2.0	2.0
Max I *	60	60
Yellow	3.6	4.2
Red Clear	2.4	2.3
Red Revert	5.0	5.0
Actuations B4 Add *	-	-
Seconds / Actuation *	-	-
Max Initial *	-	-
Time Before Reduction *	-	-
Time To Reduce *	-	-
Minimum Gap	-	-
Locking Detector	-	-
Recall Position	NONE	NONE
Dual Entry	-	-
Simultaneous Gap	X	X

PROPOSED	LEGEND	EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	Oversize Junction Box	
	2-in Underground Conduit	
	Directional Drill	
	Right of Way	
	Directional Arrow	
	Guardrail	
	Type II Signal Pedestal	
	Metal Pole with Mastarm	
	Curb Ramp	
	No Right Turn Sign (R3-1)	
	No Left Turn Sign (R3-2)	
	Stop Sign (R1-1)	
	Yield Sign (R1-2)	
	Pedestrian Crossing Sign (W11-2) w/ Diagonal Arrow Plaque (W16-7p)	

\* 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 - Final Design

Project #: 180914

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NCBELS FIRM LICENSE NO. C-2522

	SR 4771 (Reedy Fork Parkway) at US 29 Southbound Ramps
	Division 7 Guilford County Greensboro
	PLAN DATE: April 2020 REVIEWED BY: R. Hinshaw
	PREPARED BY: T.S. Warren REVIEWED BY:
REVISIONS	INIT. DATE
SIGNATURE	DATE
SIG. INVENTORY NO. 07-0904	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED