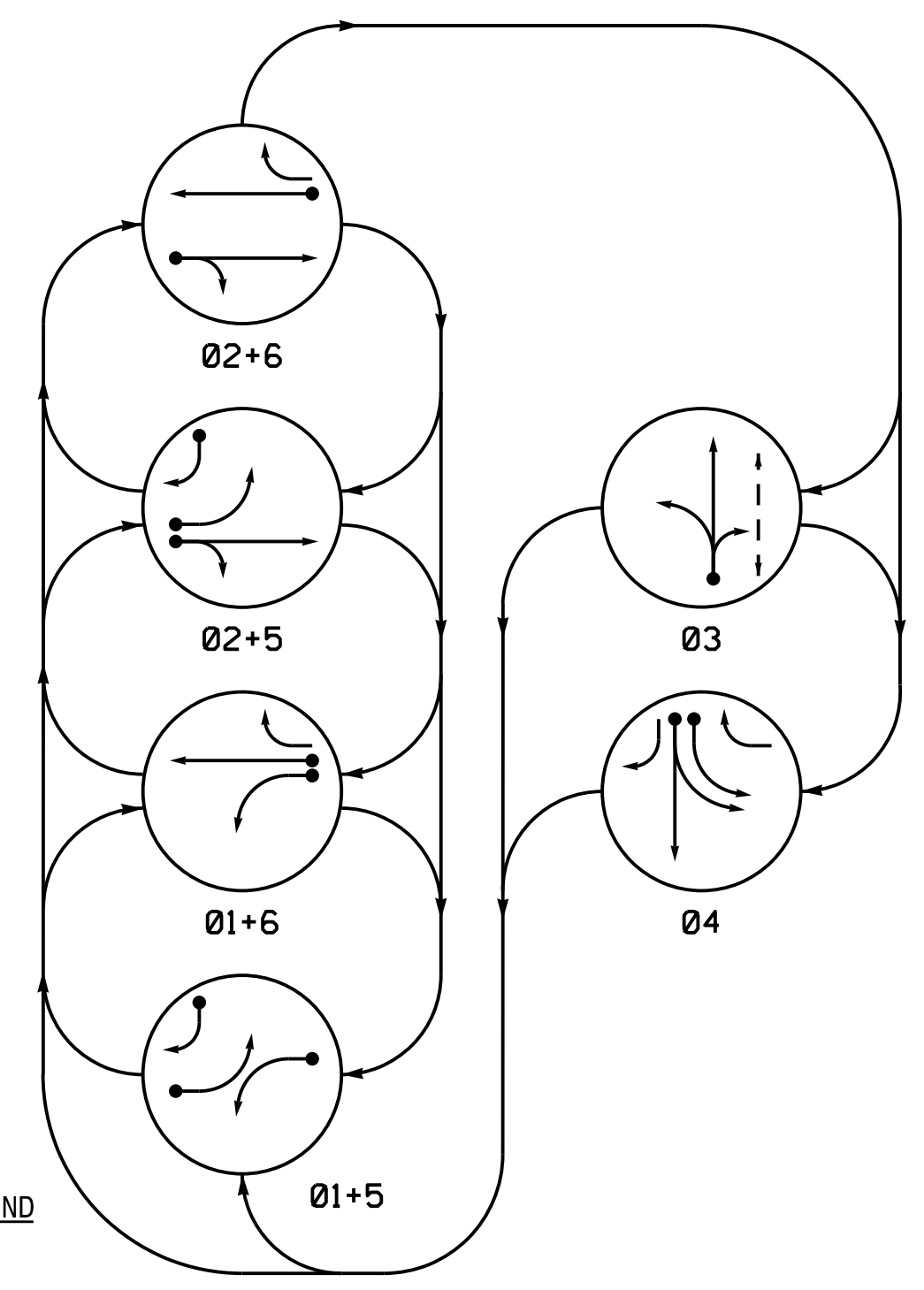
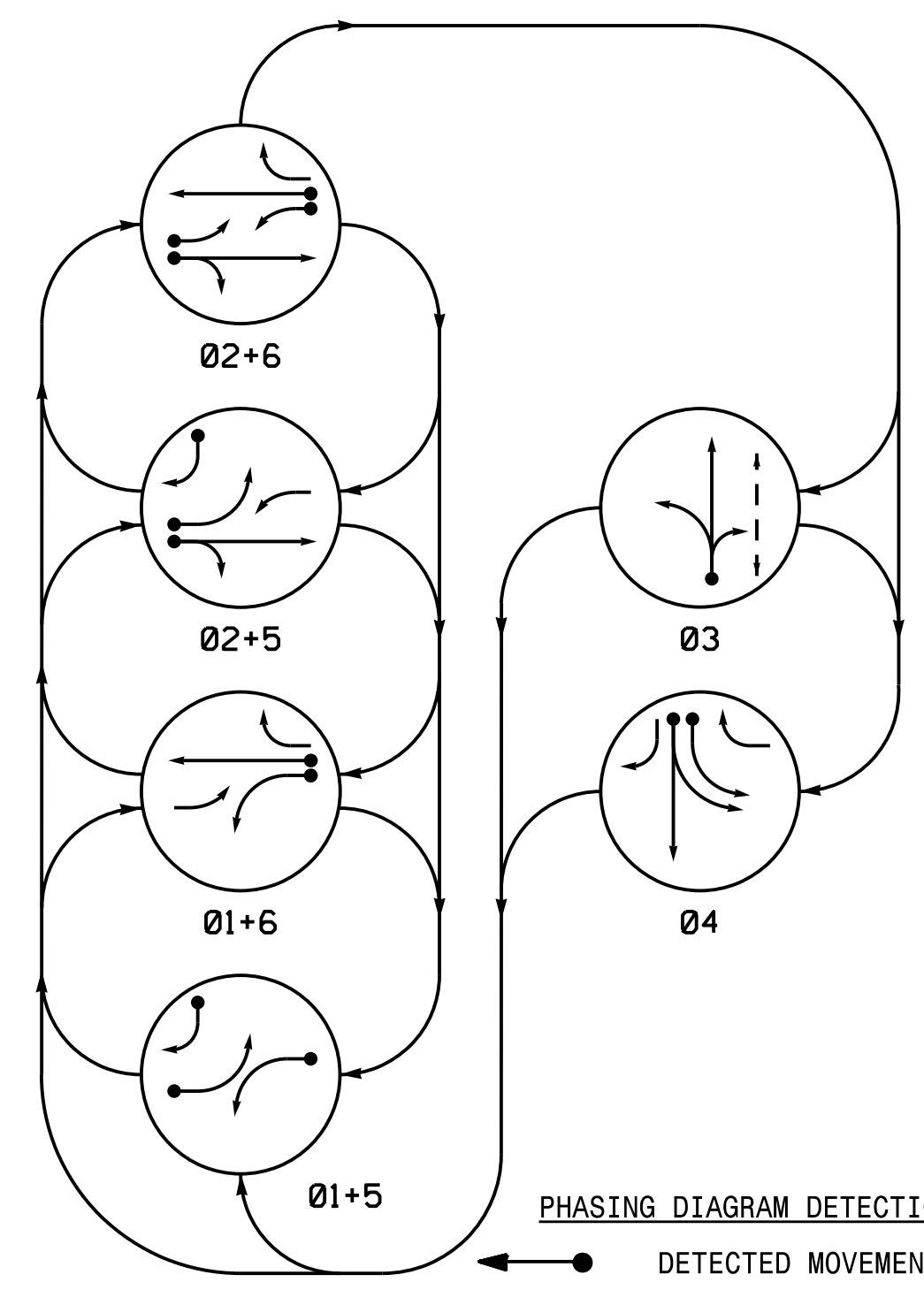


DEFAULT PHASING DIAGRAM

ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ● DETECTED MOVEMENT
 ○ UNDETECTED MOVEMENT (OVERLAP)
 — UNSIGNALIZED MOVEMENT
 ⇄ PEDESTRIAN MOVEMENT

DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	03	04
11	—	—	—	—	—	—
21,22	R	R	G	G	R	R
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41	—	—	—	—	—	—
42	R	R	R	R	G	R
43	R	R	R	R	G	R
44	R	R	R	R	G	R
51	—	—	—	—	—	—
61	R	G	R	G	R	R
62	R	G	R	G	R	R
P31,P32	DW	DW	DW	DW	W	DRK

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	03	04
11	—	—	—	—	—	—
21,22	R	R	G	G	R	R
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41	—	—	—	—	—	—
42	R	R	R	R	G	R
43	R	R	R	R	G	R
44	R	R	R	R	G	R
51	—	—	—	—	—	—
61	R	G	R	G	R	R
62	R	G	R	G	R	R
P31,P32	DW	DW	DW	DW	W	DRK

ASC/3 DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING						
					PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	
1A	6x40	0	2-4-2	X	1	Yes	-	15*	S	-	X
					6#	Yes	-	-	S	-	X
2A	6x6	70	3	X	2	Yes	-	-	S	-	X
3A	6x40	0	2-4-2	X	3	Yes	-	5	S	-	X
4A	6x40	0	2-4-2	X	4	Yes	-	-	S	-	X
4B	6x40	0	2-4-2	X	4	Yes	-	-	S	-	X
5A	6x40	0	2-4-2	X	5	Yes	-	15**	S	-	X
					2#	Yes	-	-	S	-	X
5B	6x40	0	2-4-2	X	5	Yes	-	15	S	-	X
6A	6x6	70	3	X	6	Yes	-	-	S	-	X

* Disable delay during Alternate Phasing Operation.
 ** Reduce delay to 3 seconds during Alternate Phasing Operation.
 # Disable phase call for loop during Alternate Phasing Operation.

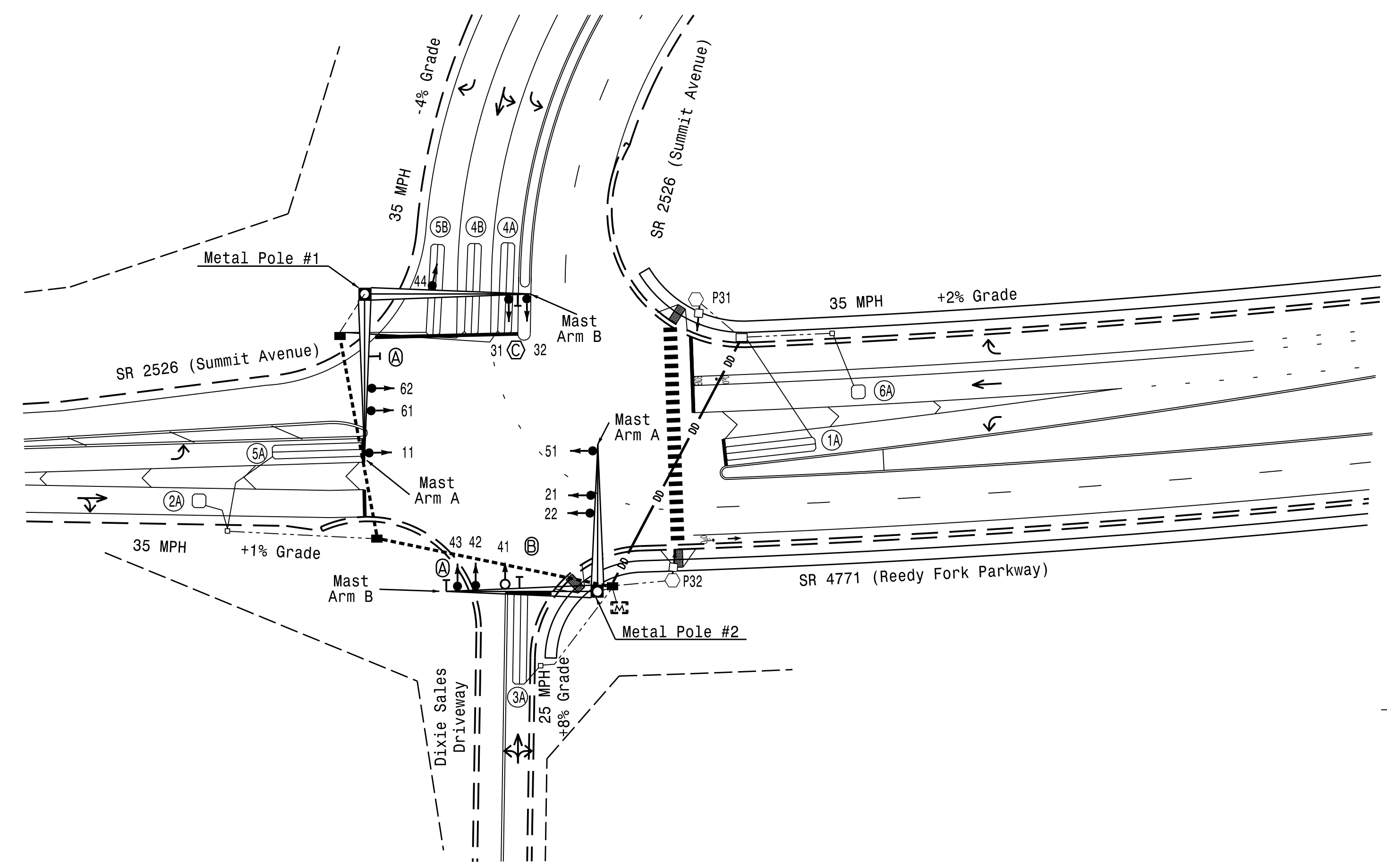
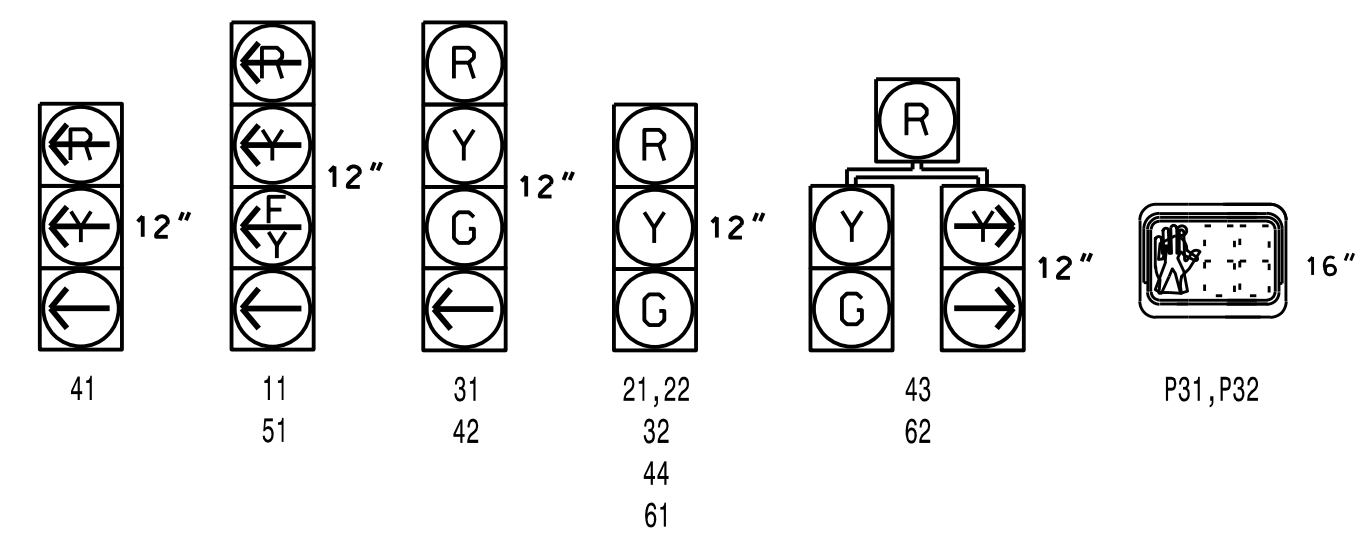
6 Phase Fully Actuated
 SR 4771 (Reedy Fork Parkway) CLS
 Signal System: 10727

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.
- Phase 1 and/ or phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- Reposition existing signal head numbered 62.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data:
 Master Asset #: 10727
 Controller Asset #: 0903

SIGNAL FACE I.D.

All Heads L.E.D.



ASC/3 TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Min Green *	7	10	7	7	7	10
Walk *	0	0	7	0	0	0
Ped Clear	0	0	26	0	0	0
Veh. Extension *	2.0	3.0	2.0	2.0	2.0	3.0
Max 1 *	20	60	15	30	20	60
Yellow	3.0	3.8	3.0	4.1	3.0	3.8
Red Clear	3.3	2.7	3.3	2.5	3.1	2.7
Actuations B4 Add *	-	-	-	-	-	-
Seconds / Actuation *	-	-	-	-	-	-
Max Initial *	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
Locking Detector	-	X	-	-	-	X
Recall Position	-	VEH, RECALL	-	-	-	VEH, RECALL
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	X	X	X	X	X	X

* 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

PROPOSED	EXISTING
○ Traffic Signal Head	● N/A
○ Modified Signal Head	○ N/A
○ 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
○ Master Controller & Cabinet	○ N/A
○ Junction Box	○ N/A
○ Oversize Junction Box	○ N/A
○ 2-in Underground Conduit	○ N/A
○ Directional Drill	○ N/A
○ Right of Way	○ N/A
○ Directional Arrow	○ N/A
○ Metal Pole with Mastarm	○ N/A
○ Curb Ramp	○ N/A
○ Right Arrow "ONLY" Sign (R3-5R)	○ N/A
○ "U-Turn Yield to Right Turn" Sign (R10-16)	○ N/A
○ "TURNING VEHICLES" Yield to Pedestrians Sign (R10-15)	○ N/A

Signal Upgrade - Final Design

Project #: 180914

DAVENPORT

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 NCBELS FIRM LICENSE NO. C-2522

SR 4771 (Reedy Fork Parkway) at SR 2526 (Summit Avenue) / Dixie Sales Driveway

Division 7 Guilford County Greensboro

PLAN DATE: April 2020 REVIEWED BY: R. Hinshaw

PREPARED BY: T.S. Warren REVIEWED BY: L. Boyer

SCALE: 1" = 40'

REVISIONS: _____

INITIALS: _____ DATE: _____

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER, LORI M. BOYER, No. 030912

SIGNATURE: _____ DATE: 04/20/2020

SIG. INVENTORY NO. 07-0903