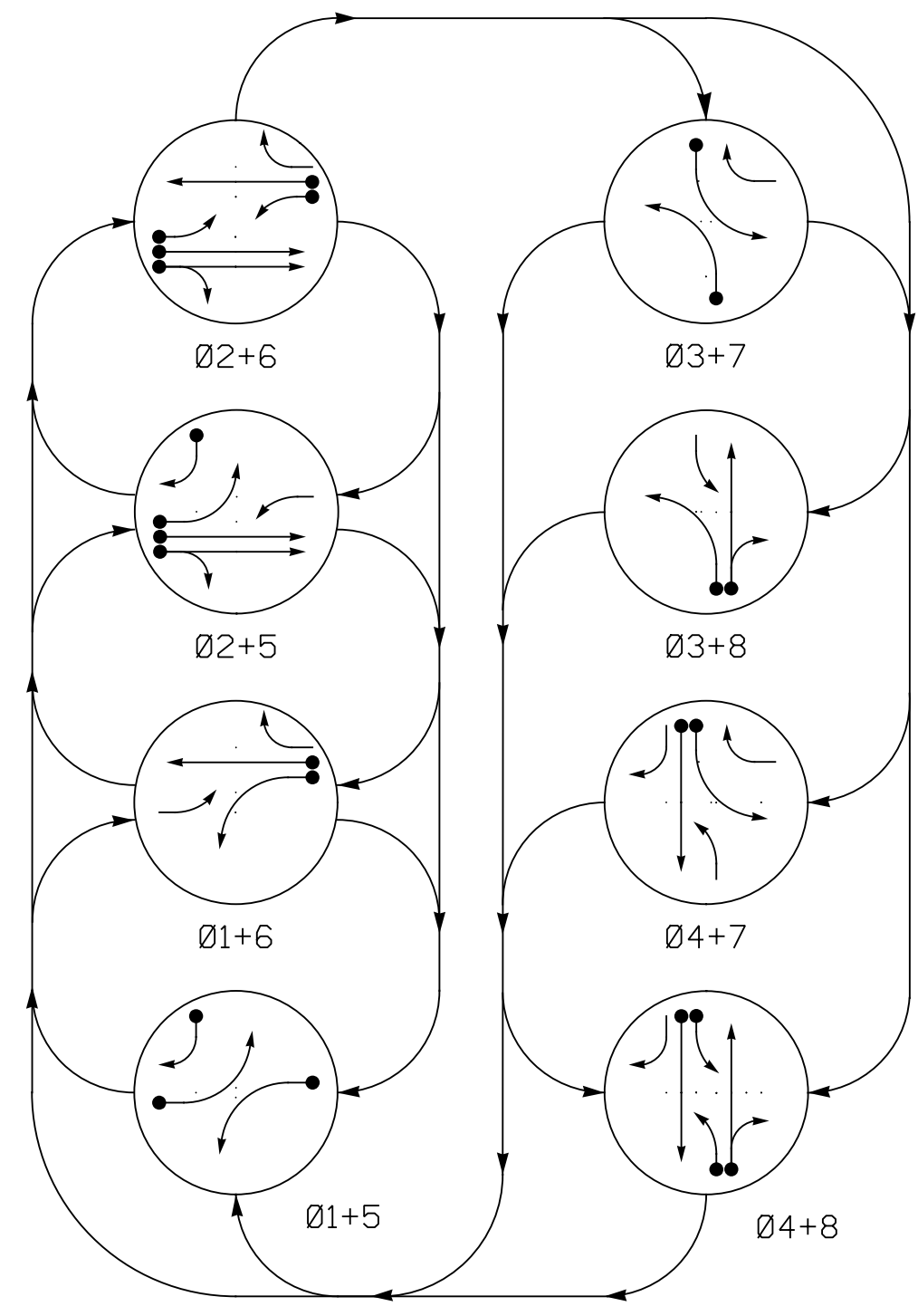


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

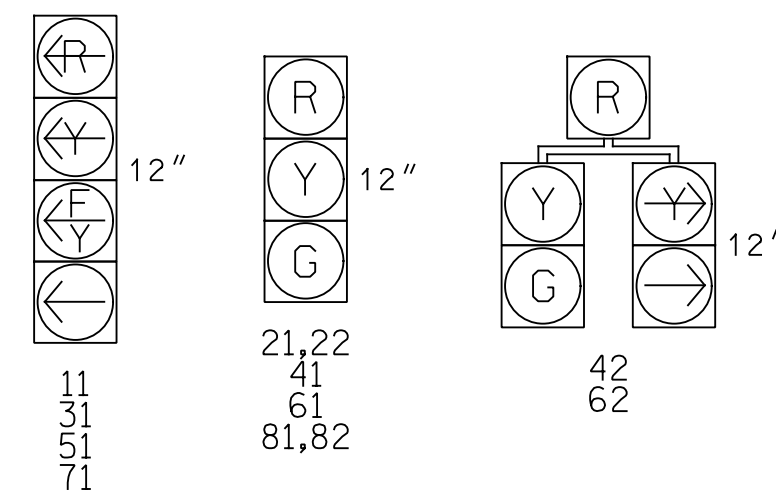
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE							
	Ø1+5	Ø2+5	Ø3+5	Ø3+6	Ø3+7	Ø3+8	Ø4+7	Ø4+8
11	←	←	←	←	←	←	←	←
21,22	R	R	G	G	R	R	R	Y
31	←	←	←	←	←	←	←	←
41	R	R	R	R	R	R	G	G
42	R	R	R	R	R	R	G	G
51	←	←	←	←	←	←	←	←
61	R	G	R	G	R	R	R	Y
62	R	G	R	G	R	R	R	Y
71	←	←	←	←	←	←	←	←
81,82	R	R	R	R	R	G	R	G

SIGNAL FACE I.D.

All Heads L.E.D.



ASC/3 DETECTOR INSTALLATION CHART

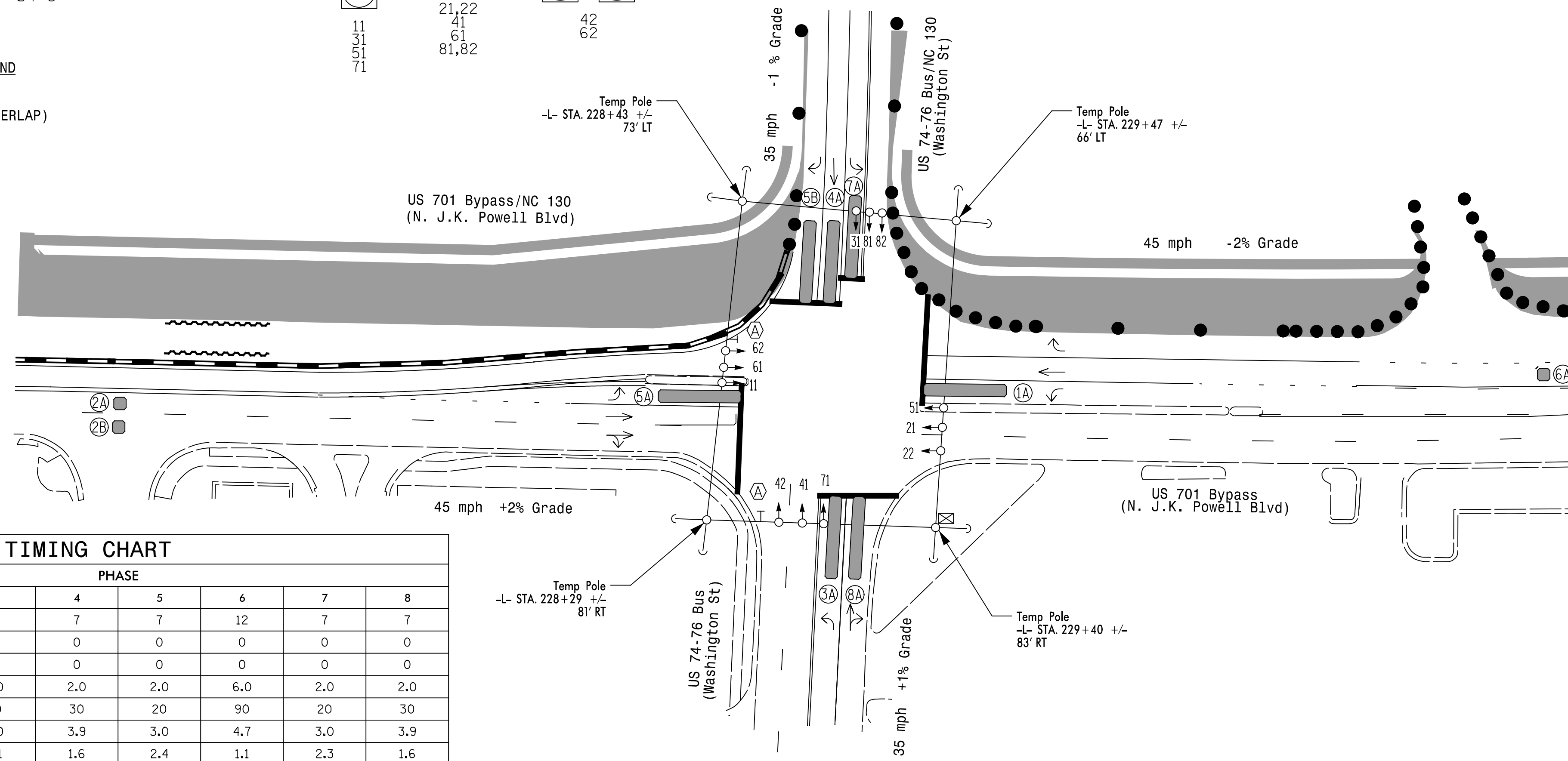
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING					TYPE	SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL			
1A	6X40	0	*	X	1	Yes	-	15	-	N	-	X
					6	Yes	-	3	-	G	-	X
2A	6X6	300	*	X	2	Yes	-	-	X	N	-	X
					3	Yes	-	15	-	N	-	X
3A	6X40	0	*	X	8	Yes	-	3	-	N	-	X
					4	Yes	-	-	-	N	-	X
4A	6X40	0	*	X	5	Yes	-	15	-	N	-	X
					2	Yes	-	3	-	G	-	X
5A	6X40	0	*	X	5	Yes	-	15	-	N	-	X
					5	Yes	-	-	-	N	-	X
5B	6X40	0	*	X	5	Yes	-	15	-	N	-	X
					5	Yes	-	-	-	N	-	X
6A	6X6	300	*	X	6	Yes	-	-	X	N	-	X
					7	Yes	-	15	-	N	-	X
7A	6X40	0	*	X	4	Yes	-	3	-	N	-	X
					4	Yes	-	-	-	N	-	X
8A	6X40	0	*	X	8	Yes	-	10	-	N	-	X
					8	Yes	-	-	-	N	-	X

* Video Detection Zone

8 Phase Fully Actuated SYSTEM #10605

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. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Set all detection zones to presence mode.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
8. Pavement markings are existing.
9. Field adjust temporary poles as needed.



ASC/3 TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green *	7	12	7	7	7	12	7	7
Walk *	0	0	0	0	0	0	0	0
Ped Clear	0	0	0	0	0	0	0	0
Veh. Extension *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	2.0
Max 1 *	20	90	20	30	20	90	20	30
Yellow	3.0	4.7	3.0	3.9	3.0	4.7	3.0	3.9
Red Clear	2.1	1.1	2.1	1.6	2.4	1.1	2.3	1.6
Actuations B4 Add *	-	0	-	-	-	0	-	-
Seconds /Actuation *	-	1.5	-	-	-	2.5	-	-
Max Initial *	-	37	-	-	-	34	-	-
Time Before Reduction *	-	15	-	-	-	15	-	-
Time To Reduce *	-	30	-	-	-	30	-	-
Minimum Gap	-	3.0	-	-	-	3.0	-	-
Locking Detector	-	-	-	-	-	-	-	-
Recall Position	-	VEH. RECALL	-	-	-	VEH. RECALL	-	-
Dual Entry	-	-	-	X	-	-	-	X
Simultaneous Gap	X	X	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 |
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Signal Upgrade Temporary Design 1 - (TMP Phase I)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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Division 6 Columbus County Whiteville
PLAN DATE: November 2019 REVIEWED BY: G.G. Murr, Jr.
PREPARED BY: M. Ishak REVIEWED BY:
REVISIONS: INIT. DATE

SCALE: 0 40