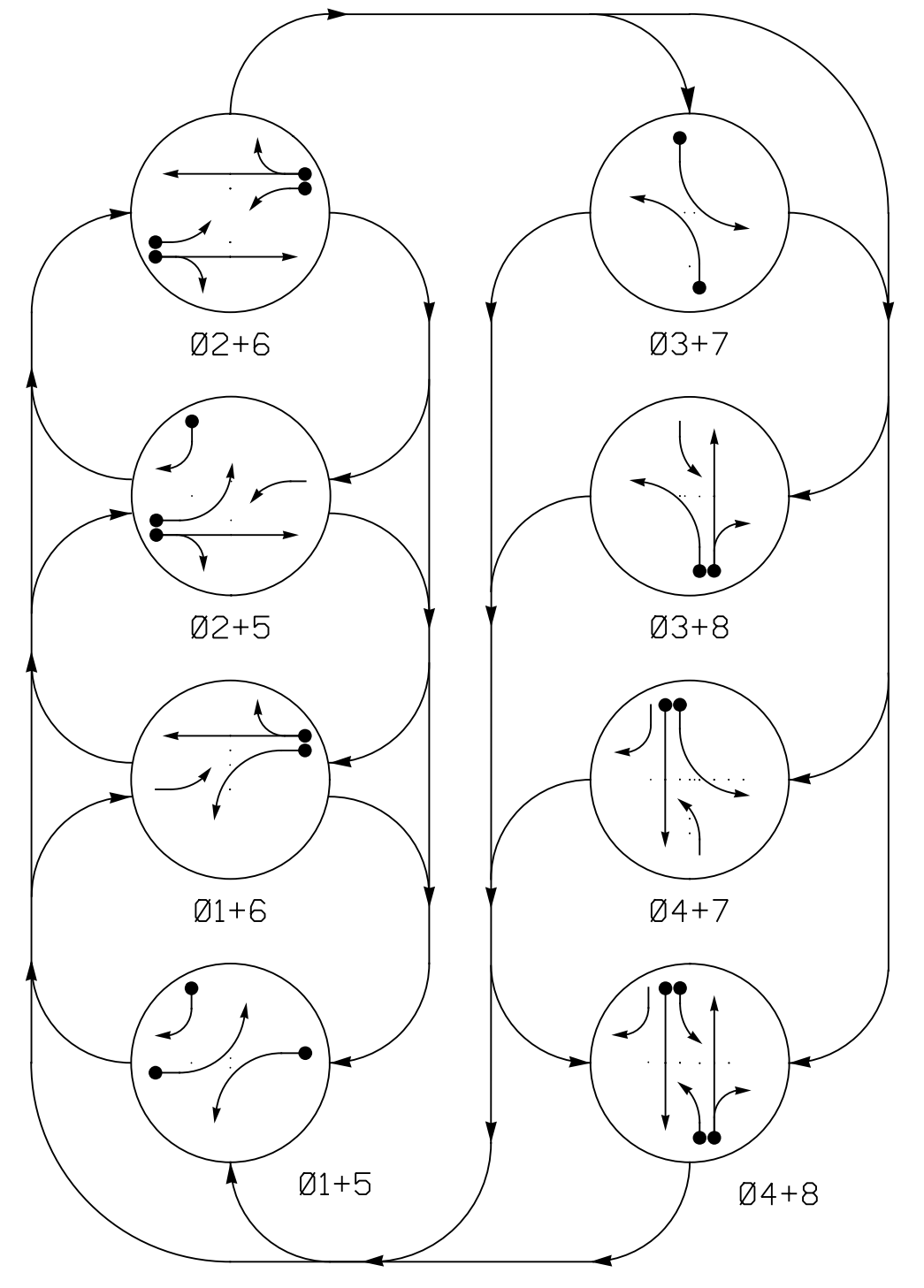


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

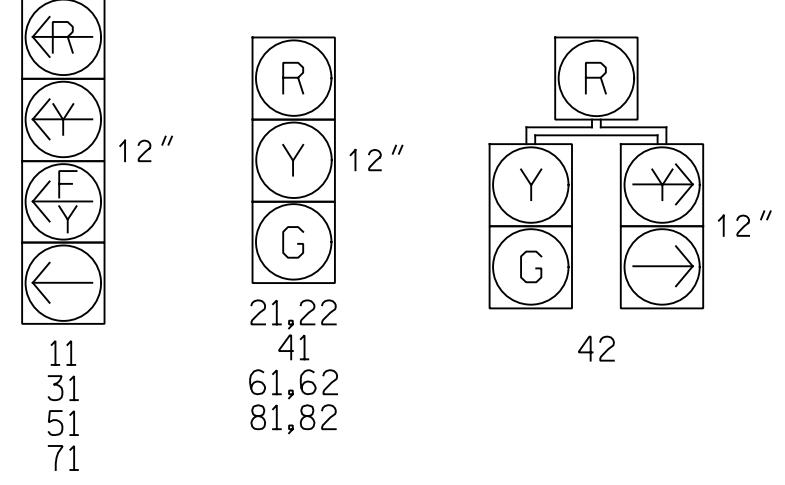
- ◄●► DETECTED MOVEMENT
- ◄◄◄ UNDETECTED MOVEMENT (OVERLAP)
- ◄---► UNSIGNALIZED MOVEMENT
- ◄- - - - ► PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE							
	Ø 1 + 5	Ø 2 + 5	Ø 2 + 6	Ø 3 + 7	Ø 3 + 8	Ø 4 + 7	Ø 4 + 8	FLASH
11	←	←	←	←	←	←	←	Y
21,22	R	R	G	G	R	R	R	Y
31	←	←	←	←	←	←	←	Y
41	R	R	R	R	R	R	G	R
42	R	R	R	R	R	R	G	R
51	←	←	←	←	←	←	←	Y
61,62	R	G	R	G	R	R	R	Y
71	←	←	←	←	←	←	←	Y
81,82	R	R	R	R	R	G	R	G

SIGNAL FACE I.D.

All Heads L.E.D.



ASC/3 DETECTOR INSTALLATION CHART

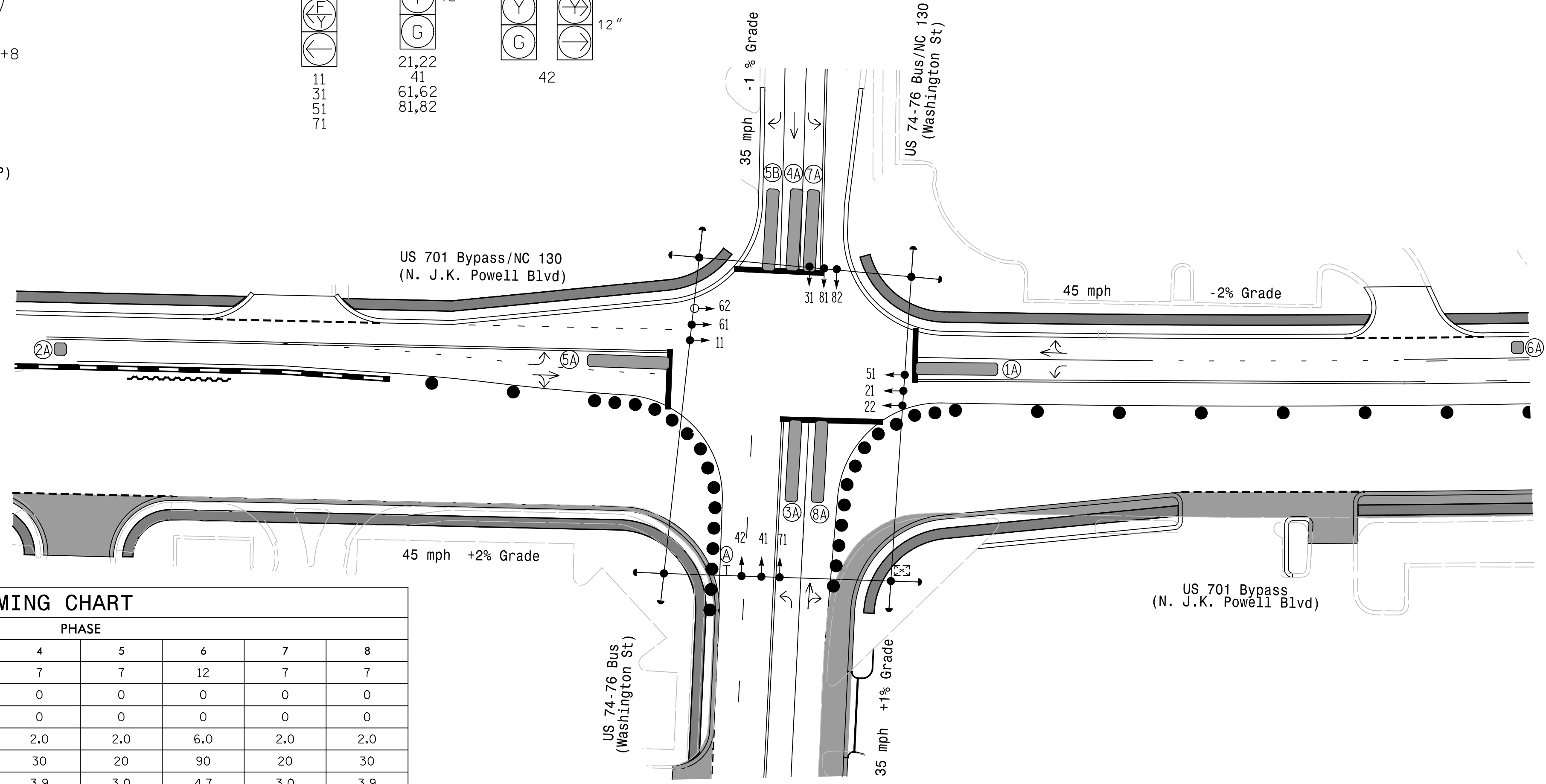
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD
1A	6X40	0	*	X	1	Yes	-	15	-	N	-	-
					6	Yes	-	3	-	G	-	-
2A	6X6	300	*	X	3	Yes	-	-	-	X	-	-
3A	6X40	0	*	X	8	Yes	-	15	-	N	-	-
					4	Yes	-	3	-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

* Video Detection Zone

8 Phase Fully Actuated SYSTEM #10605

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.
- Phase 3 and/or phase 7 may be lagged.
- Set all detection zones to presence mode.
- Reposition existing signal heads 11,21,22,51, and 61.
- This intersection uses video detection. Follow manufacturer's instructions for installation and operation to achieve the optimal detection scheme.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.



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 I *	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	2.4	1.3	1.4	1.3	2.6	1.3	2.1	1.3
Actuations B4 Add *	-	0	-	-	-	0	-	-
Seconds /Actuation *	-	2.5	-	-	-	2.5	-	-
Max Initial *	-	37	-	-	-	37	-	-
Time Before Reduction *	-	15	-	-	-	15	-	-
Time To Reduce *	-	30	-	-	-	30	-	-
Minimum Gap	-	3.0	-	-	-	3.0	-	-
Locking Detector	-	X	-	-	-	X	-	-
Recall Position	-	VEH. RECALL	-	-	-	VEH. RECALL	-	-
Dual Entry	-	-	-	X	-	-	-	X
Simultaneous Gap	X	X	X	X	X	X	X	X

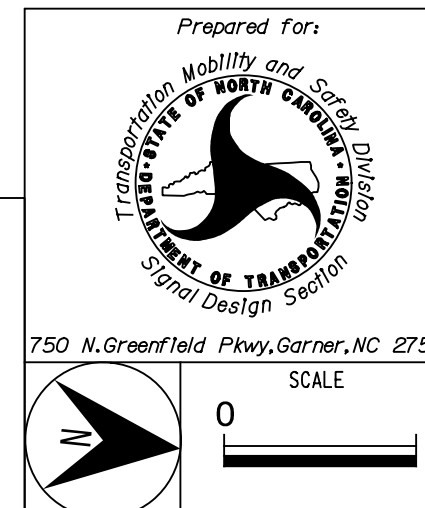
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

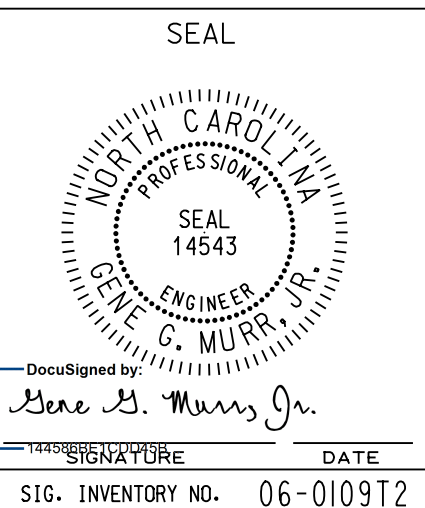
- | | | | |
|--|---------------------------------|--|----------|
| | Traffic Signal Head | | EXISTING |
| | Modified Signal Head | | N/A |
| | Sign | | N/A |
| | Pedestrian Signal Head | | N/A |
| | Signal Pole with Guy | | N/A |
| | Signal Pole with Sidewalk Guy | | N/A |
| | Inductive Loop Detector | | N/A |
| | Controller & Cabinet | | N/A |
| | Junction Box | | N/A |
| | 2-in Underground Conduit | | N/A |
| | Right of Way | | N/A |
| | Directional Arrow | | N/A |
| | Video Detection Zone | | N/A |
| | Construction Zone | | N/A |
| | Drums | | N/A |
| | Right Arrow "ONLY" Sign (R3-5R) | | N/A |
| | PORTABLE CONCRETE BARRIER | | N/A |

Signal Upgrade Temporary Design 2 - (TMP Phase II)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



US 701 Bypass/NC 130 (N. J.K. Powell Blvd) at US 74-76 BUS/NC 130 (Washington Street)	
Division 6	Columbus County
Whiteville	
PLAN DATE: November 2019	REVIEWED BY: G. G. Murr, Jr
PREPARED BY: M. Ishak	REVIEWED BY:
REVISIONS	INIT. DATE



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