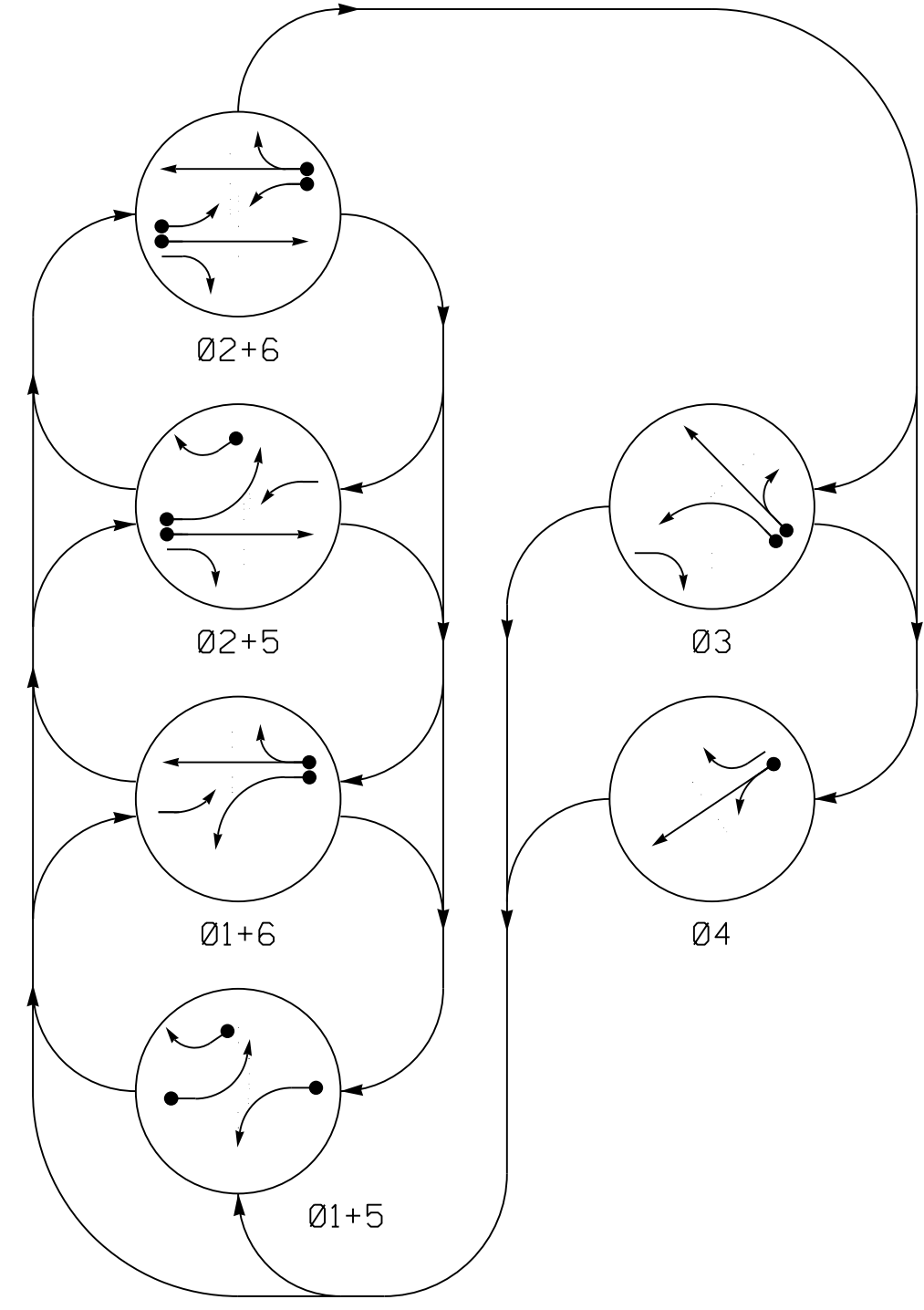


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE						FLASH
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 3	Ø 4	
11	←	←	←	←	←	←	Y
21	R	R	G	G	R	R	Y
22	R	R	G	G	R	R	Y
31	R	R	R	R	G	R	R
32,33	R	R	R	R	G	R	R
41	R	R	R	R	R	G	R
42	R	R	R	R	R	G	R
51	←	←	←	←	←	←	Y
61,62	R	G	R	G	R	R	Y

ASC/3 DETECTOR INSTALLATION CHART

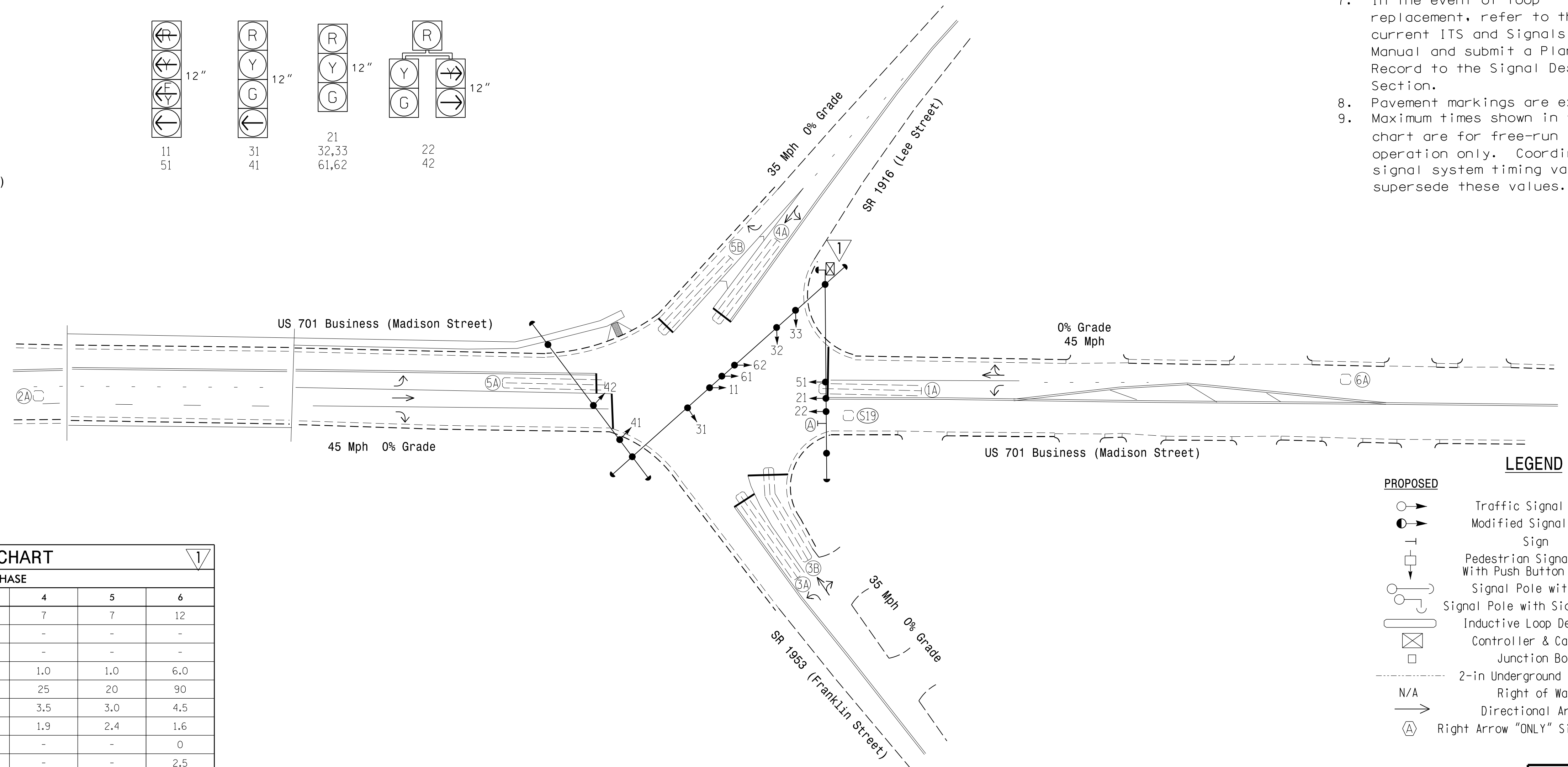
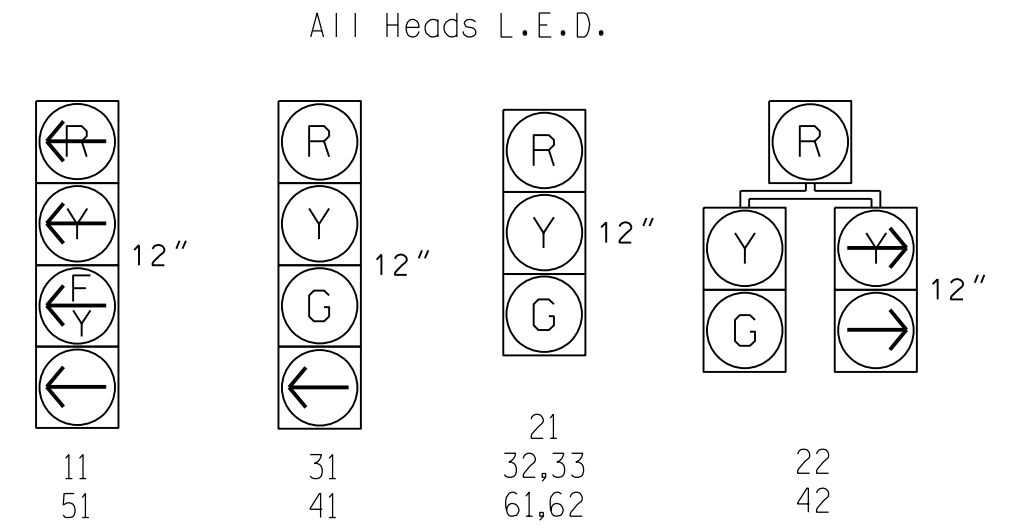
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	LOOP SYSTEM	NEW CARD
1A	6X60	+5	2-4-2	-	1	Yes	-	15	-	N	-	-
2A	6X6	300	EXIST	-	2	Yes	-	-	X	N	-	-
3A	6X60	+5	2-4-2	-	3	Yes	-	3	-	N	-	-
3B	6X60	+5	2-4-2	-	3	Yes	-	10	-	N	-	-
4A	6X60	+5	2-4-2	-	4	Yes	-	3	-	N	-	-
5A	6X60	+5	2-4-2	-	5	Yes	-	15	-	N	-	-
5B	6X60	+5	2-4-2	-	5	Yes	-	3	-	G	-	-
6A	6X6	300	EXIST	-	6	Yes	-	-	X	N	-	-
S19	6X6	+135	EXIST	-	-	No	-	-	-	N	X	-

6 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.
- Disable Backup Protect for phases 2 and 6.
- Phase 1 and/or phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

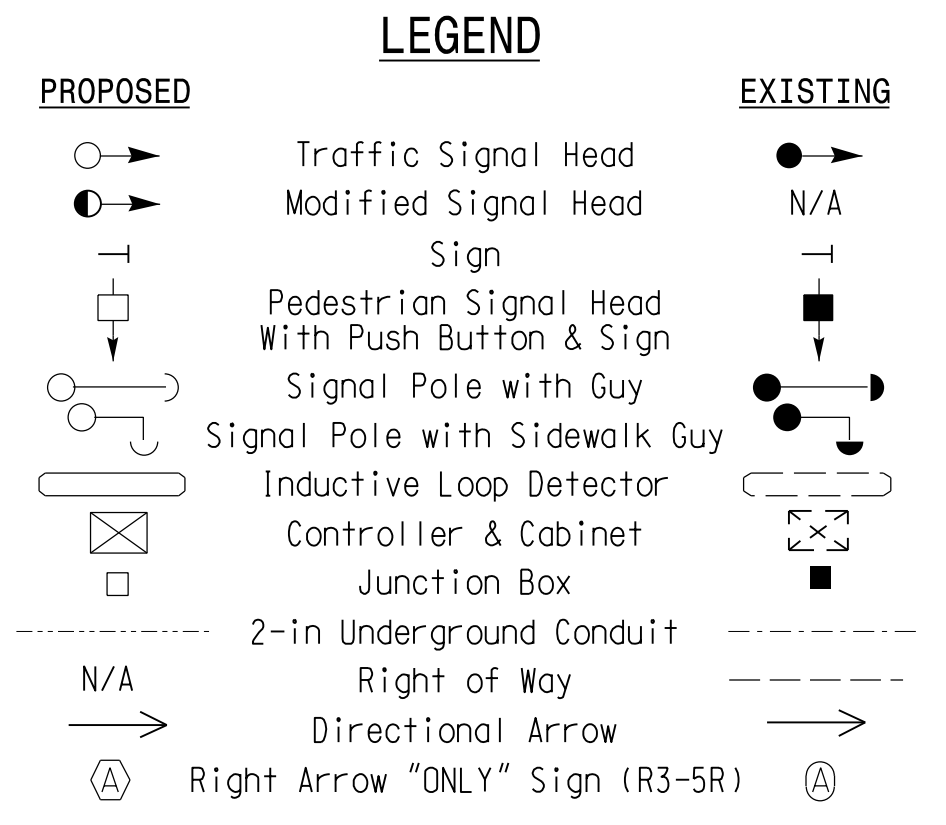
SIGNAL FACE I.D.



ASC/3 TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Min Green *	7	12	7	7	7	12
Walk *	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-
Veh. Extension *	1.0	6.0	1.0	1.0	1.0	6.0
Max 1 *	20	90	45	25	20	90
Yellow	3.0	4.5	3.5	3.5	3.0	4.5
Red Clear	3.1	1.6	2.3	1.9	2.4	1.6
Actuations B4 Add *	-	0	-	-	-	0
Seconds / Actuation *	-	2.5	-	-	-	2.5
Max Initial *	-	34	-	-	-	34
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	-	-	-	-	-	-
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.



Signal Revision

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Revision Seal

US 701 Business (Madison Street) at SR 1916 (Lee Street) / SR 1953 (Franklin Street)

Division 6 Columbus County Whiteville

PLAN DATE: November 2012 REVIEWED BY:

PREPARED BY: Jeff Spence REVIEWED BY:

REVISIONS

NO.	DESCRIPTION	INIT.	DATE
1	Controller changed to ASC/3 with new cabinet	JGM	05/15/20

SEAL

Not a certified document. This document originally issued and sealed by Pamela L. Alexander, P.E., no. 23489 on (2/04/13). This document shall not be considered a certified document.

SIGNATURE DATE

SIG. INVENTORY NO. 06-0404

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