

PHASING DIAGRAM

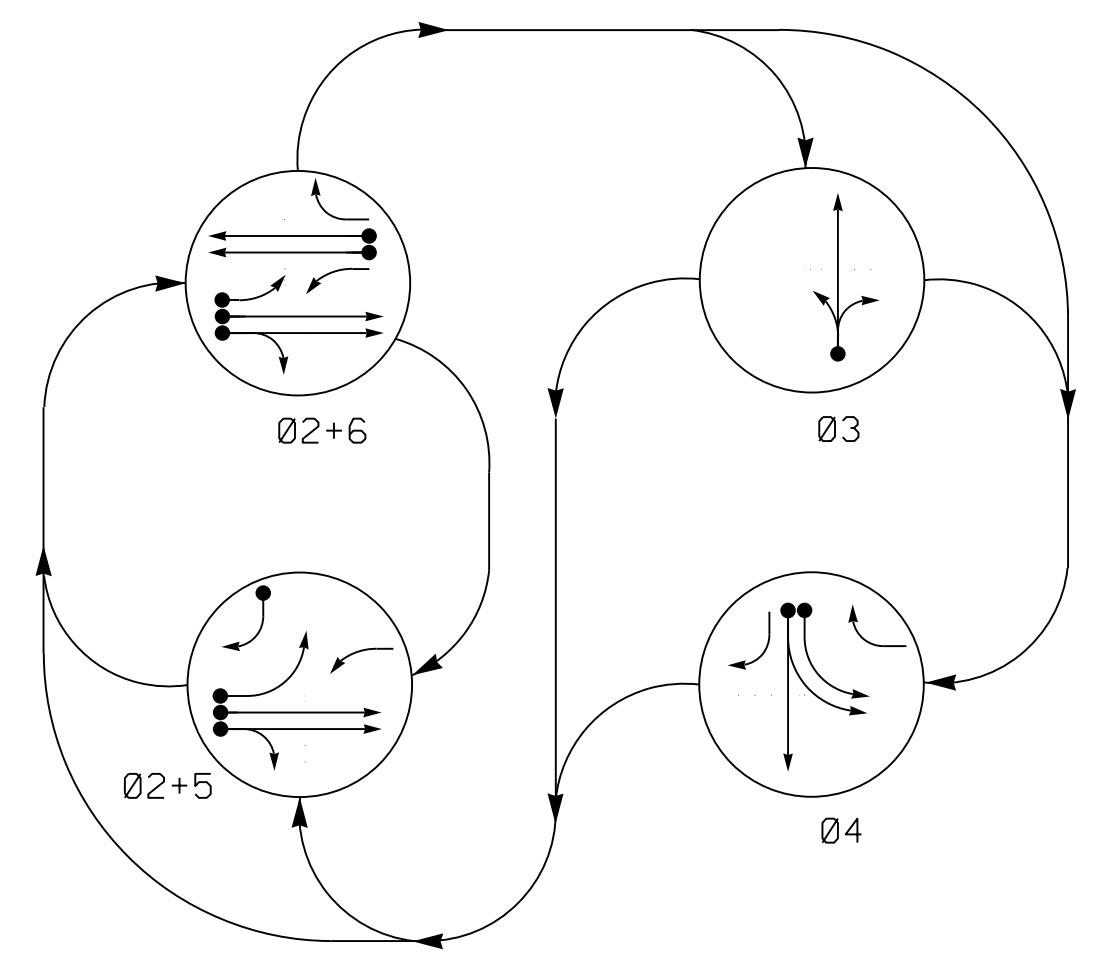


TABLE OF OPERATION

SIGNAL FACE	PHASE				
	02+5	02+6	03	04	FLASH
21,22	G	G	R	R	Y
31	R	R	G	R	R
32	R	R	G	R	R
41	R	R	R	G	R
42	R	R	R	G	R
51	F	F	R	R	Y
61	F	F	R	R	Y
62	R	G	R	R	Y
63	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	SYSTEM LOOP
2A,2B	6X6	300	EXIST	-	2	Yes	-	-	X	N	-
3A	6X12	0	2-4-2	-	3	Yes	-	10	-	N	-
4A	6X60	0	2-4-2	-	4	Yes	-	3	-	N	-
4B	6X60	0	2-4-2	-	4	Yes	-	-	-	N	-
5A	6X60	0	2-4-2	-	5	Yes	-	15	-	N	-
5B	6X60	0	2-4-2	-	5	Yes	-	15	-	N	-
6A,6B	6X6	300	EXIST	-	6	Yes	-	-	X	N	-

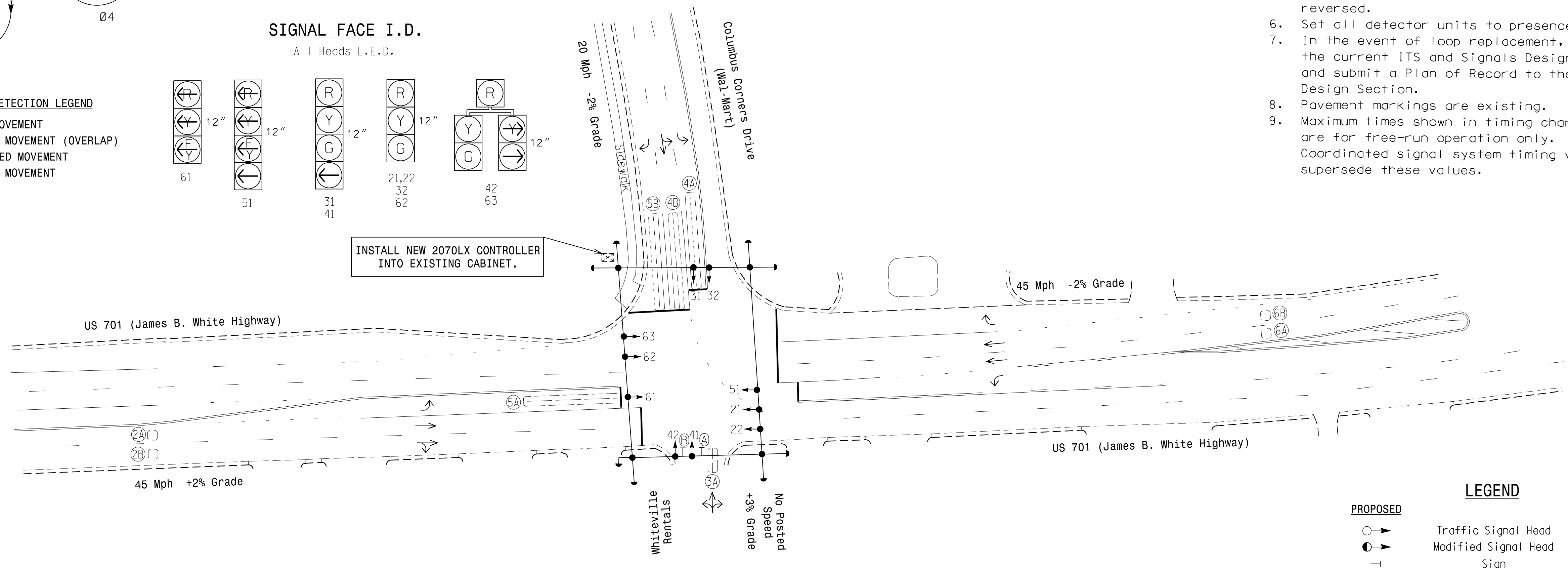
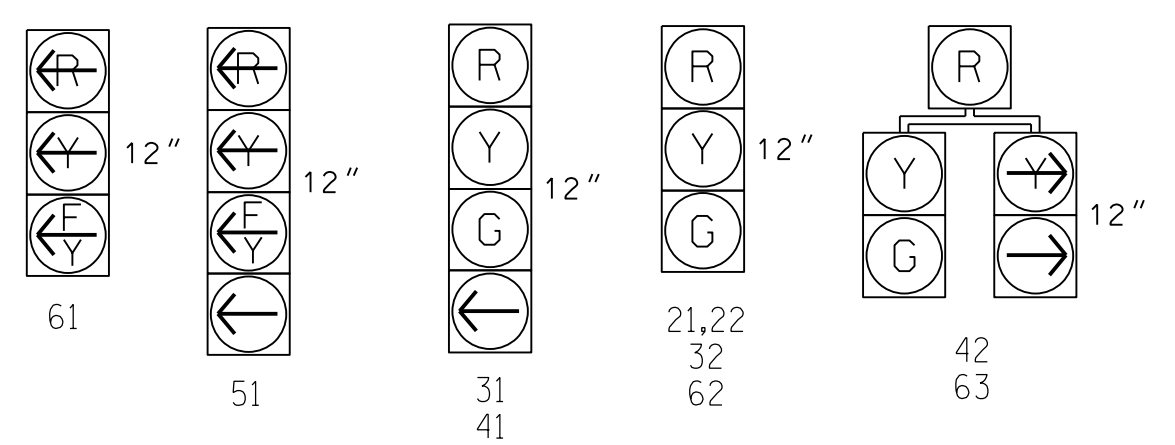
4 Phase Fully Actuated System #10605

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 phase 2+6.
- 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.

PHASING DIAGRAM DETECTION LEGEND

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



INSTALL NEW 2070LX CONTROLLER INTO EXISTING CABINET.

ASC/3 TIMING CHART

FEATURE	PHASE				
	2	3	4	5	6
Min Green *	12	7	7	7	12
Walk *	-	-	-	-	-
Ped Clear	-	-	-	-	-
Veh. Extension *	6.0	3.0	1.0	1.0	6.0
Max I *	90	15	20	15	90
Yellow	4.7	3.0	3.0	3.0	4.7
Red Clear	1.5	2.8	2.9	2.8	1.5
Actuations B4 Add *	0	-	-	-	0
Seconds / Actuation *	2.0	-	-	-	2.0
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

* 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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| | N/A |
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Signal Revision

Revision Seal

Seal of the State of North Carolina

US 701 (James B. White Highway) at Columbus Corners Drive
 Division 6 Columbus County Whiteville
 PLAN DATE: November 2012 REVIEWED BY:
 PREPARED BY: Jeff Spence REVIEWED BY:
 REVISIONS: CONTROLLER CHANGED TO ASC/3
 SCALE: 1" = 40'
 DATE: 05/14/20

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
 Not a certified document. This document originally issued and sealed by Pamela L. Alexander, P.E., no. 23489 on (12/18/12). This document shall not be considered a certified document.
 SIGNATURE: DATE: SIG. INVENTORY NO. 06-1251

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