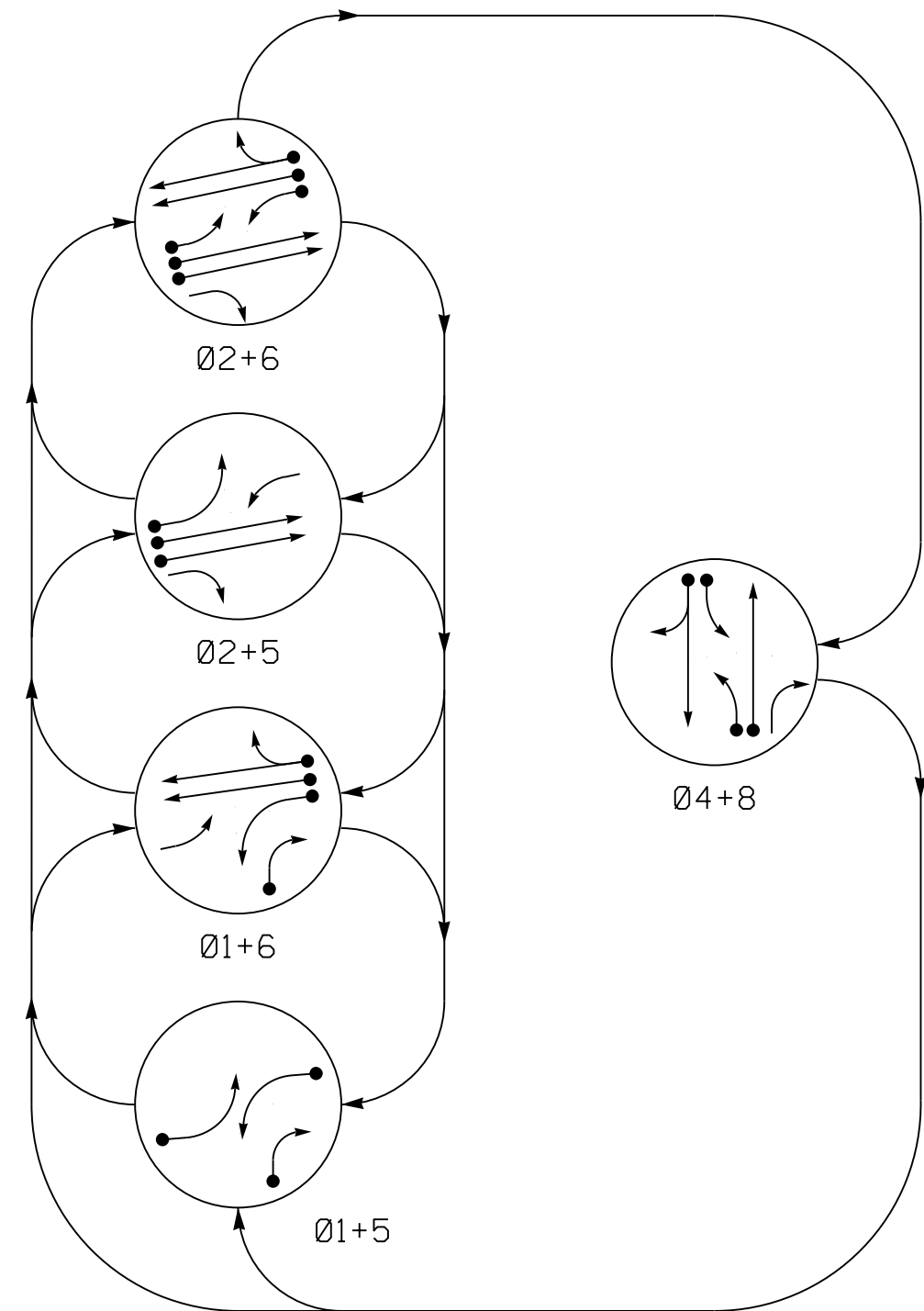


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

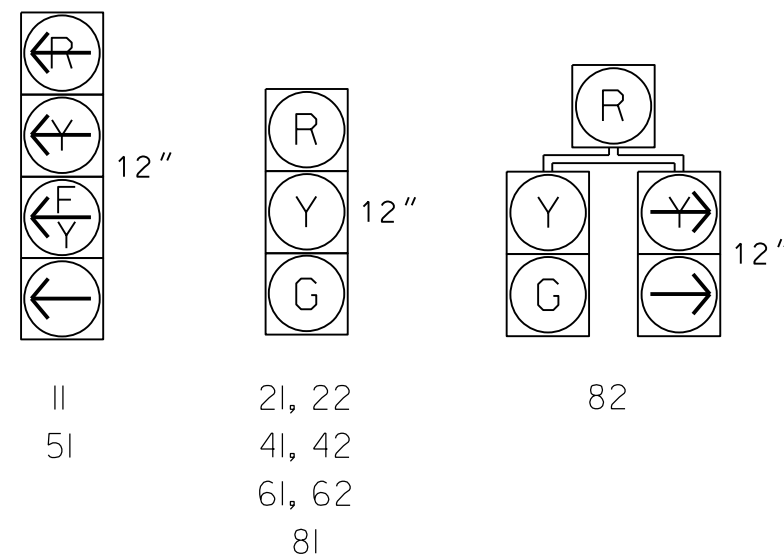
- DETECTED MOVEMENT
- ◄ UNDETECTED MOVEMENT (OVERLAP)
- ◄ UNSIGNALIZED MOVEMENT
- ◄ PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE				
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	FLASH
II	←	←	←	←	←
21,22	R	R	G	G	Y
41,42	R	R	R	R	G
51	←	←	←	←	←
61,62	R	G	R	G	R
81	R	R	R	R	G
82	R	R	R	R	G

SIGNAL FACE I.D.

All Heads L.E.D.



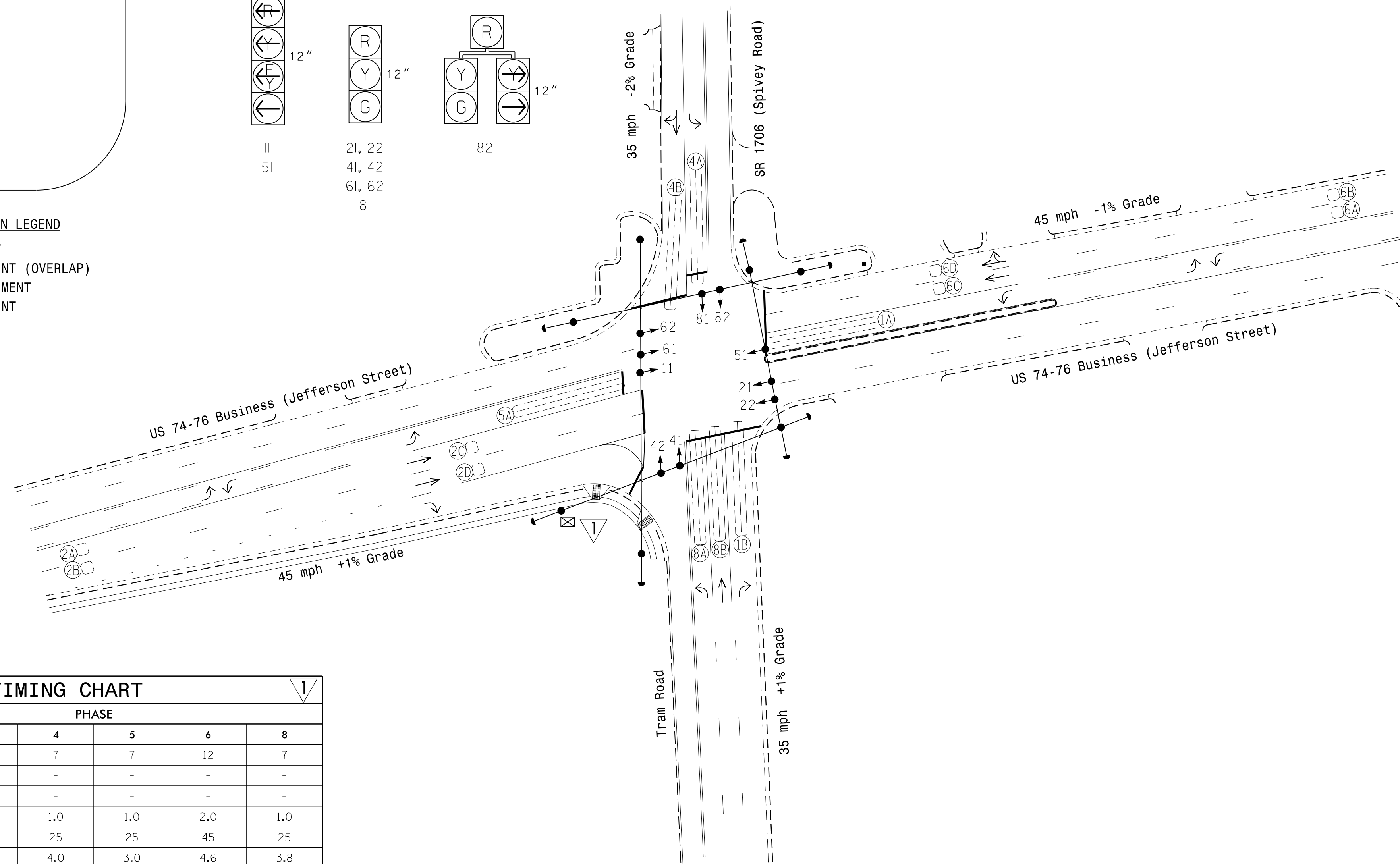
ASC/3 DETECTOR INSTALLATION CHART

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	6X60	0	2-4-2	-	1	Yes	-	15	-	N	-	-
					6	Yes	-	-	-	G	-	-
1B	6X60	+5	2-4-2	-	1	Yes	-	15	-	N	-	-
2A,2B	6X6	300	EXIST	-	2	Yes	1.6	-	-	N	-	-
2C,2D	6X6	90	EXIST	-	2	Yes	-	-	-	N	-	-
4A	6X60	+5	2-4-2	-	4	Yes	-	3	-	N	-	-
4B	6X60	+5	2-4-2	-	4	Yes	-	10	-	N	-	-
5A	6X60	+5	2-4-2	-	5	Yes	-	15	-	N	-	-
					2	Yes	-	-	-	G	-	-
6A,6B	6X6	300	EXIST	-	6	Yes	1.6	-	-	N	-	-
6C,6D	6X6	90	EXIST	-	6	Yes	-	-	-	N	-	-
8A	6X60	+5	2-4-2	-	8	Yes	-	3	-	N	-	-
8B	6X60	+5	2-4-2	-	8	Yes	-	-	-	N	-	-

5 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. Reposition existing signal head numbered 62.
5. Set all detector units to presence mode.
6. 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.
7. Pavement markings are existing.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



ASC/3 TIMING CHART

FEATURE	PHASE					
	1	2	4	5	6	8
Min Green *	7	12	7	7	12	7
Walk *	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-
Veh. Extension *	1.0	2.0	1.0	1.0	2.0	1.0
Max 1 *	25	45	25	25	45	25
Yellow	3.0	4.6	4.0	3.0	4.6	3.8
Red Clear	3.1	1.5	1.8	2.4	1.5	1.4
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	-	-	X	-	-	X
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 | ● → |
| ○ → Modified Signal Head | N/A |
| ○ → Pedestrian Signal Head With Push Button & Sign | ○ → |
| ○ → Signal Pole with Guy | ○ → |
| ○ → Signal Pole with Sidewalk Guy | ○ → |
| ⊗ Inductive Loop Detector | ⊗ |
| □ Controller & Cabinet | □ |
| □ Junction Box | □ |
| --- 2-in Underground Conduit | --- |
| N/A Right of Way | --- |
| → Directional Arrow | → |
| N/A Wheelchair Ramp | ↗ |

Signal Revision

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Revision Seal

US 74-76 Business (Jefferson Street) at Tram Road/SR 1706 (Spivey Road)

Division 6 Columbus County Whiteville

PLAN DATE: March 2011 REVIEWED BY: JPG

PREPARED BY: EM MINSHEW REVIEWED BY:

REVISIONS	INIT.	DATE
Controller changed to ASC/3 with new cabinet	GGM	05/15/20

SEAL

Not a certified document. This document originally issued and sealed by Jason P. Galloway, P.E. no. 29904 on (4/26/11). This document shall not be considered a certified document.

SIGNATURE _____ DATE _____

SIG. INVENTORY NO. 06-0507

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