2 Phase Fully Actuated Booker Dairy Road CLS

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. Set all detector units to presence mode.
- 4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 5. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND

Traffic Signal Head Modified Signal Head

Sign 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

Right of Way

Directional Arrow

Metal Strain Pole

<u>EXISTING</u>

N/A

K K K

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INIT. DATE

6. Closed loop system data: Controller Asset #: 1417.

TABLE OF OPERATION					
	PHASE				
SIGNAL FACE	Ø2+6	Ø8	FLAOT		
21,22	G	R	Υ		
61	₹	#	-Y		
62,63	G	R	Υ		
81,82	R	G	R		

PHASING DIAGRAM DETECTION LEGEND

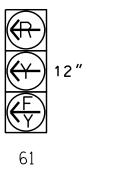
PHASING DIAGRAM

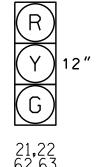
DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT

← − − > PEDESTRIAN MOVEMENT

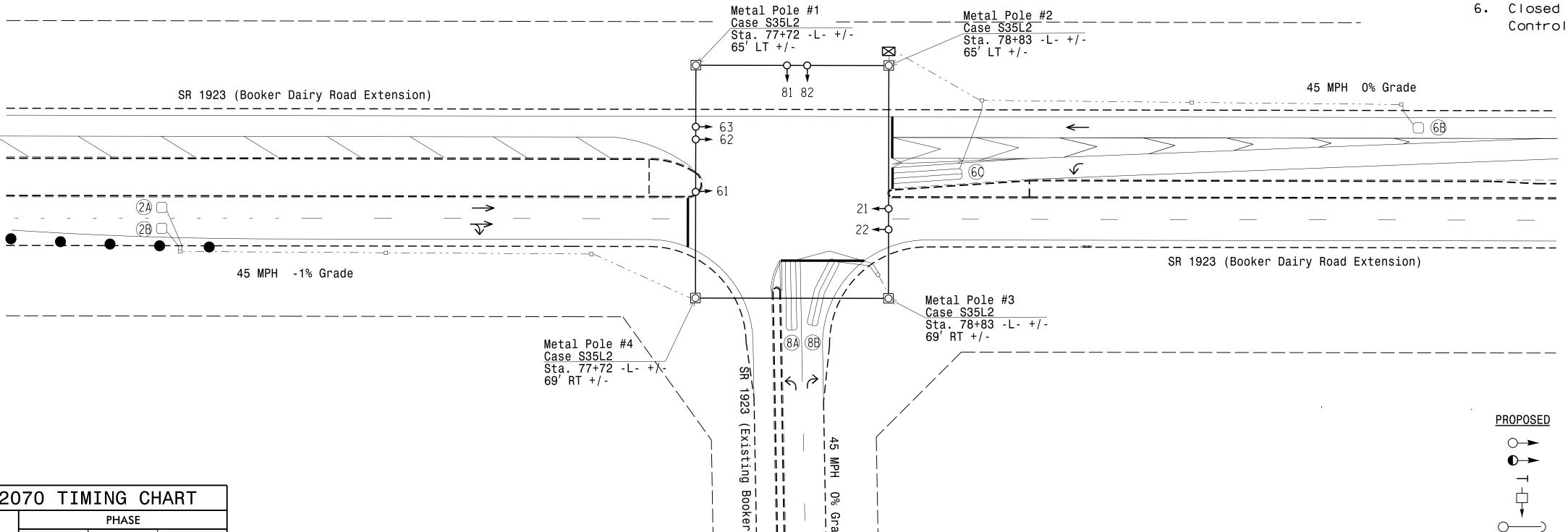
SIGNAL FACE I.D.

All Heads L.E.D.





12"	R Y 12
61	21,22 62,63 81,82



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS

6X6

6X6

6X6

6X40

6X40

6X40

LOOP

DISTANCE

FROM

STOPBAR

300

300

300

0 2-4-2

0 2-4-2

0 2-4-2

DETECTOR PROGRAMMING

OASIS 2070 TIMING CHART					
	PHASE				
FEATURE	2	6	8		
Min Green 1 *	12	12	7		
Extension 1 *	6.0	6.0	2.0		
Max Green 1 *	90	90	20		
Yellow Clearance	4.6	4.6	3.0		
Red Clearance	1.4	1.4	2.3		
Walk 1 *	-	-	-		
Don't Walk 1	-	-	-		
Seconds Per Actuation *	1.5	1.5	-		
Max Variable Initial *	34	34	-		
Time Before Reduction *	15	15	-		
Time To Reduce *	30	30	-		
Minimum Gap	3.0	3.0	_		
Recall Mode	MIN RECALL	MIN RECALL	-		
Vehicle Call Memory	YELLOW	YELLOW	-		
Dual Entry	-	-	-		
Simultaneous Gap	ON	ON	ON		

* 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.

New Installation - Temporary Design SR 1923 (Booker Road Extension) SR 1923 (Existing Booker Dairy Road) Division 4 Johnston County Smithfield June 2017 REVIEWED BY: JPG 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: KGP, Jr. REVIEWED BY:

1"=40'

REVISIONS

N/A

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL SEAL 029904 Jason P. Galloway 8/29/2017

SIG. INVENTORY NO. 04-1417T