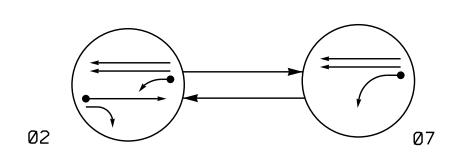
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

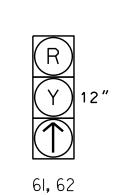
←	DETECTED MOVEMENT
←	UNDETECTED MOVEMENT (OVERLAP)
-	UNSIGNALIZED MOVEMENT
< >	PEDESTRIAN MOVEMENT

TABLE OF O	PEF	RAT]	ON	
	PHASE			
SIGNAL FACE	Ø 2	Ø 7	止」位のエ	
11	- F	\	- ¥	
21, 22	G	R	Y	
61,62	1	1	Υ	

SIGNAL FACE I.D. All Heads L.E.D.

21, 22

12"	



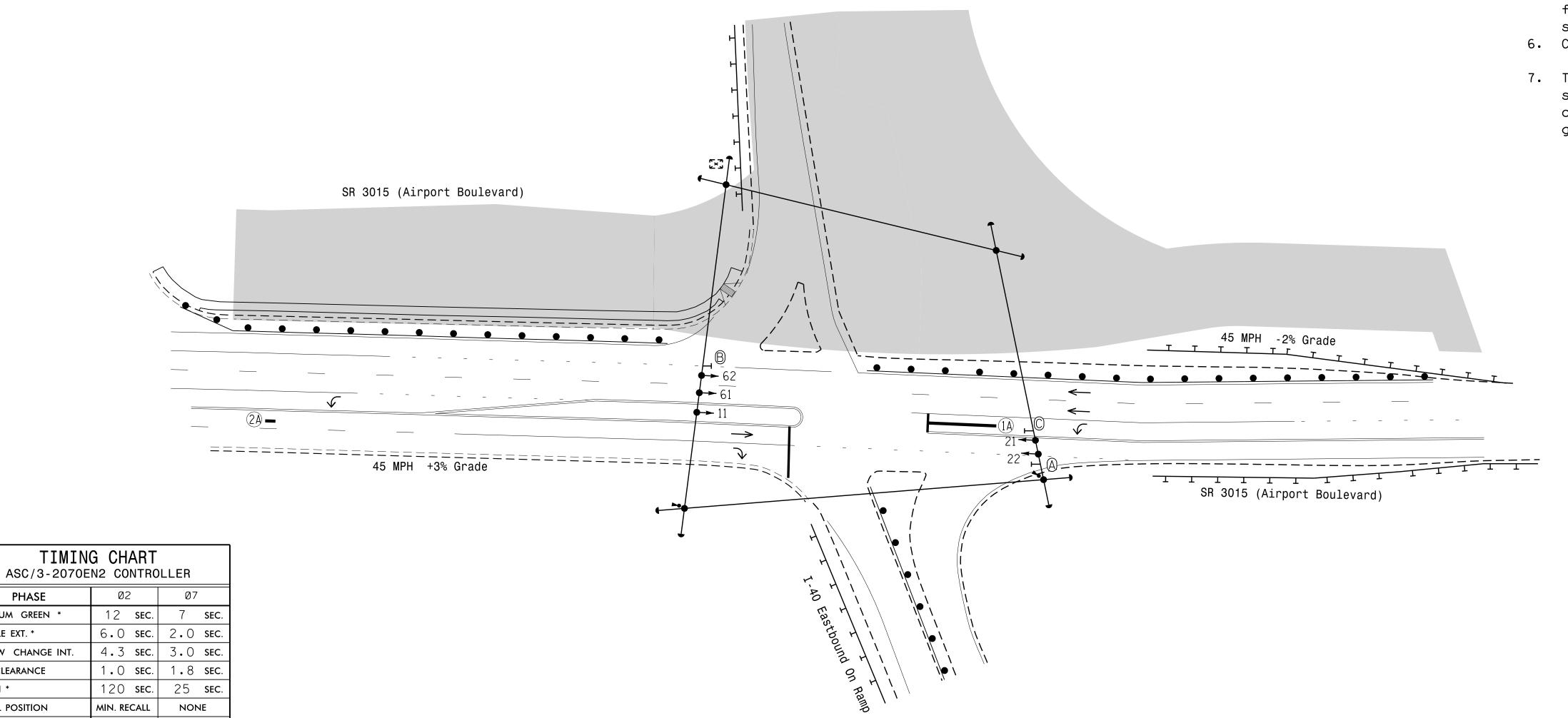
LOOP & DETECTOR INSTALLATION CHART ASC/3-2070EN2 CONTROLLER w/ TS-2 CABINET												
INDUCTIVE LOOPS DETECTOR UNITS												
ZONE NO.	SIZE (ft)	DIST. FROM STOPBAR (ft)	TURNS	ZEW	EXISTING	NEMA PHASE	NEW	TING	TIMING		ADDED	DET.
								EXISTI	FEATURE	TIME (sec)	INITIAL	TYPE
1A *	6X40	0	*	-	Х	7	-	*	DELAY	15	-	S
2A *	6X6	300	*	_	Х	2	-	*	-	_	Χ	N
* Video detection zone												

* Video detection zone.

2 Phase Fully Actuated (Cary Signal System)

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. Pavement markings are existing.
- 5. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 6. Cary signal system data:
 - Fiber channel #: 26.
- 7. This intersection features a video detection system. Shown locations of detectors are conceptual only. Refer to the manufacturer's guidelines for optimal detector placement.



<u>PROPOSED</u>		EXISTING
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
\dashv	Sign	\dashv
\downarrow	Pedestrian Signal Head	
\bigcirc	Signal Pole with Guy	•
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	K×7
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
N/A	Curb Ramp	
N/A	Guardrail	
•	Construction Zone Drums	•
	Construction Zone	
\bowtie	Out of Pavement Detector	
	Video Detection Area	
(A) F	Right Arrow "ONLY" Sign (R3-5R	\sim
B	No Right Turn Sign (R3-2)	lack
© No	U-Turn/No Left Turn Sign (R3-	_

DOCUMENT NOT CONSIDERED

FINAL UNLESS ALL SIGNATURES COMPLETED

026486

SIG. INVENTORY NO. 05-0947T

<u>LEGEND</u>

Signal Upgrade - Temporary Design 2 (TMP Phase II)

SR 3015 (Airport Boulevard) I-40 EB Ramps

Morrisville Division 5 Wake County March 2019 REVIEWED BY:

750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: J.A. Lohr

SIMULTANEOUS GAP	ON	ON
* These values may be field and Extension times for pho shown. Min Green for all o	ases 2 and 6 lo	wer than what
il 4 l		

Ø2

SEC.

SEC.

VEH.

SEC.

SEC.

SEC.

OFF

2.5 **SEC**. 34 **SEC**.

15 **SEC**.

45 **SEC**.

3.0 **SEC**.

MINIMUM GREEN

YELLOW CHANGE INT.

VEHICLE EXT. *

RED CLEARANCE

RECALL POSITION

VOLUME DENSITY

MAX. INITIAL *

ACTUATION B4 ADD *

SEC. PER ACTUATION

TIME B4 REDUCTION

TIME TO REDUCE *

MINIMUM GAP

DUAL ENTRY

LOCK DET.

PED. CLEAR

WALK *