

6 Phase Fully Actuated (Cary Signal System)

NOTES

PROJECT REFERENCE NO.

I-5700

Sig. 9.0

- 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. The order of phase 3 and phase 4 may be reversed.
- 5. Set all detector units to presence mode.
- Reposition existing signal heads numbered 11, 21, 22, 51, and 61.
- 7. Remove existing signal head numbered 31.
- 8. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 9. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 11. Cary signal system data: Fiber Channel #: 26.
- 12. This intersection features a video detection system. Shown locations of detectors are conceptual only. Refer to the manufacturer's guidelines for optimal detector placement.

LEGEND

<u>PROPOSED</u>		EXISTING
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
$\overline{}$	Sign	$\overline{}$
\downarrow	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	
\longrightarrow	Directional Arrow	\longrightarrow
\bigcirc	Type II Signal Pedestal	
N/A	Guardrail	
N/A	Curb Ramp	
∞	Out of Pavement Detector	•
	Video Detection Area	
•	Construction Zone Drums	•
	Construction Zone	
⟨A⟩ R	ight Arrow "ONLY" Sign (R3-5R) (A)
B	Combined Through and Left Arrow Sign (R3-6L)	lacksquare

Signal Upgrade - Temporary Design 3 (TMP Phase III, Step A) SR 3015 (Airport Blvd.)

Factory Shops Road/ Aerial Center Parkway

ivision 5 Wake County March 2019 REVIEWED BY:

PLAN DATE: 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: J.A. Lohr REVIEWED BY: REVISIONS INIT. DATE

SIGNATURES COMPLETED SEAL SIG. INVENTORY NO. 05-1726T

DOCUMENT NOT CONSIDERED

FINAL UNLESS ALL

LOCK DET.

PED. CLEAR

VOLUME DENSITY

MAX. INITIAL *

ACTUATION B4 ADD

SEC. PER ACTUATION 3

TIME B4 REDUCTION

TIME TO REDUCE

SIMULTANEOUS GAP

MINIMUM GAP

DUAL ENTRY

WALK *

7 sec.

20 **SEC**.

SEC.

SEC.

SEC.

SEC.

SEC.

VEH.

— SEC.

1.5 **SEC**.

34 **SEC**.

15 **SEC**.

45 **SEC**.

3.0 **SEC**.

SEC.

SEC.

SEC.

SEC.

SEC.

ON

SEC.

SEC.

ON

22 **SEC**

45 **SEC**

OFF

ON

— SEC.

SEC.

VEH.

SEC.

ON

- SEC. | 1.5 SEC

- SEC. 30 SEC

SEC. 15 SEC

— SEC. | 3.0 SEC

OFF

— SEC.

SEC.

SEC.

SEC.

— SEC.

— SEC.

SEC.

ON