

6 Phase Fully Actuated Asheville Signal System

## NOTES

PROJECT REFERENCE NO.

U-4715 B

Sig. 85.0

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- 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. Reposition existing signal
- heads numbered 22, 23 and 24. 6. Disconnect and abandon
- 7. Renumber existing loops 3B and 4C, to 5B and 1B, respectively.

existing loops as shown.

- 8. Set all detector units to presence mode.
- 9. 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.
- 10. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 11. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 12. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 13. Pavement markings are existing.
- 14. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values

## **LEGEND**

<u>)</u>	<u>EXISTING</u>
Traffic Signal Head	<b></b>
Modified Signal Head	N/A
Sign	$\dashv$
Pedestrian Signal Head With Push Button & Sign	<b>+</b>
Signal Pole with Guy	•
Signal Pole with Sidewalk Guy	
Inductive Loop Detector	$\subset = = \supset$
Controller & Cabinet	κ, Υ
Junction Box	
2-in Underground Conduit	
Right of Way	
Directional Arrow	$\longrightarrow$
Curb Ramp	
Combined Through and Left Arrow Sign (R3-6L)	$\triangle$
Left Arrow "ONLY" Sign (R3-5L	) B
	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  Curb Ramp  Combined Through and Left  Arrow Sign (R3-6L)

Signal Upgrade

US 74A (S. Tunnel Rd.) Shopping Center Entrance/

Theater Entrance ivision 13 Buncombe County Asheville June 2016 REVIEWED BY: T.J. Williams

INIT. DATE

SIG. INVENTORY NO.

DOCUMENT NOT CONSIDERED

FINAL UNLESS ALL

SIGNATURES COMPLETED

'50 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: R.N. Zinser REVIEWED BY: REVISIONS

\* 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

2.0

Red Revert

Walk 1 \*

Don't Walk 1

Seconds Per Actuation

Time Before Reduction '

Max Variable Initial \*

Time To Reduce '

Vehicle Call Memory

Minimum Gap

Recall Mode

**Dual Entry** 

2.0

1.5

34

15

30 3.0

MIN RECALL

YELLOW

2.0

2.0

32

2.0

2.0

11

1.5

34

15

30

3.0

MIN RECALL

YELLOW