

6 Phase Semi-Actuated

PROJECT REFERENCE NO. Sig. 264 U U-4715B

(Asheville Signal System)

NOTES

- 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. Set all detector units to presence
- 4. 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.
- 5. Locate new cabinet so as not to obstruct sight distance of vehicles
- turning right on red. 6. Pavement markings are existing.
- 7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 8. Enable backup protect for phase 2 and 6 to allow the controller to clear from phase 2+6 to phase 1 and/or 5 by progressing through an all-red display.
- 9. Omit "Walk" and Flashing "Don't Walk" with no pedestrian calls on phases 3 and 4.
- 10. Propgram pedestrian heads to countdown the flashing "Don't Walk" time only.
- 11. Locate new cabinet on existing foundation.
- 12. Program controller to allow an Advance Walk movement before serving the vehicle
- 13. Program phase 2 and 6 for Rest-In-Walk.
- 14. The order of phase 3 and 4 may be reversed.
- 15. Existing yellow change interval for phase 2 may be decreased by 0.2 seconds per week until the required value is reached.

PROPOSED	<u>)</u>	<u>EXISTING</u>
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
$\overline{}$	Sign	$\overline{}$
\Rightarrow	Pedestrian Signal Head With Push Button & Sign	•
\bigcirc	Signal Pole with Guy	
\bigcup	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
\bowtie	Controller & Cabinet	K×3
	Junction Box	
	- 2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
0	Metal Pole with Mastarm	
$\langle A \rangle$	'LEFT TURN BUSES ONLY' Sign	\triangle
B	'RIGHT TURN BUSES ONLY' Sign	lacksquare
(C)	'NO TURN ON RED' Sign (R10-11a)	(C)
\bigcirc	Type II Signal Pedestal	

Signal Upgrade

12 BROAD STREET



Coxe Ave COA Bus Terminal and Aston St

Division 13 Buncombe County Asheville					0225			
PLAN DATE: MAY 2016		REVIEWED B	′:	SMH		- A ENGIN	ΕE	
PREPARED BY:	В	GR	REVIEWED B	′:	JBV		Docusigned by B	•
REVISIONS				INIT.	DATE	James Voso 1111	. 1 1	
							140FD60379E041F	
							SIGNATURE	
							SIG. INVENTORY NO.	

SIGNATURE

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what
is shown. Atia Coron for all other phases should not be layer them. A coronda

10

3.0

12

3.0

0.0

12

3.0

MAX/PED

_

Don't Walk 1

Walk Advance **

Time To Reduce

Vehicle Call Memory

Minimum Gap

Recall Mode

Dual Entry

Seconds Per Actuation Max Variable Initial *

Time Before Reduction

0.0

3.0

MAX/PED

ON ON ON Simultaneous Gap ASHEVILLE, NORTH CAROLINA 28801