

4 Phase Fully Actuated Fayetteville Signal System

PROJECT REFERENCE NO.

U-5742

Sig. 55.0

## <u>NOTES</u>

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Enable Backup Prevent for phase 6 to allow the controller to clear from phase 2+6 to phase 1+6 by progressing through an all red display.
- 4. The order of phase 3 and phase 4 may be reversed.
- 5. Set all detector units to presence mode.
- 6. 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.
- 7. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 8. The cabinet should be designed to include an Auxiliary Output file for future use.
- 9. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 10. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 11. Pavement markings are existing.
- 12. Maximum times shown in timing chart are for free-run operation only.

  Coordinated signal system timing values supersede these values.

PROPOSED	EXISTING
◆ Modified Signal Head	N/A
→ Sign	$\dashv$
	<b>+</b>
○ Signal Pole with Guy	
Signal Pole with Sidewalk Guy	
Metal Strain Pole	
Inductive Loop Detector	$\subset = = = = = = = = = = = = = = = = = = =$
Controller & Cabinet	K K K
☐ Junction Box	
2-in Underground Conduit	
N/A Right of Way	
──> Directional Arrow	$\longrightarrow$
N/A Wheel Chair Ramp	
△ "LEFT TURN YIELD ON GREEN" Sign (R10-12)	

LEGEND

Signal Upgrade

Prepared In the Offices of:

NC 2

Jasper S

Divison 6

PLAN DATE: Ap

PREPARED BY: EM

NC 210 (Murchison Rd) at Jasper St / Pennsylvania Ave

Vison 6 Cumberland County Fayetteville

NN DATE: April 2016 REVIEWED BY: JPG, PE

PARED BY: EM Minshew REVIEWED BY:

REVISIONS INIT. DATE

SIG. INVENTORY NO.

029904

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

\* 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.

VEH. RECALL

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S:\*ITS&SU\*ITS Signals\*Signal Design Section\*Eastern emminshew • Actuations B4 Add \*

Seconds / Actuation \*

Time Before Reduction

Time To Reduce 3

Minimum Gap

Locking Detector

Simultaneous Gap

Recall Position

Dual Entry

Max Initial \*