

6 Phase
Fully Actuated
w/ Alternate Phasing Operation
and Emergency Vehicle Preemption
Gastonia Signal System

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Phase 3 may be lagged.
- Set all detector units to presence mode.
- In the event of loop replacement, refer to the current ITS and Signal Design Manual and submit a Plan of Record to the Signal Design Section.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- The City Engineer or their representative will determine the hours of use for each phasing plan.
- Reposition existing signal heads 11, 21, 22, 51, 61, and 62.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- Install new cabinet on the existing cabinet foundation.
- All new cabinets and base extenders shall be black in color. See Project Special Provisions for details.
- Remove existing "Left Turn Yield on Green" ball sign-(R10-12).
- Install GPS emergency preemption system per manufacturer's instructions to achieve preemption needed, as shown in phasing diagram.
- City of system data:
Controller Asset #0245.

LEGEND

PROPOSED	EXISTING
○ →	Traffic Signal Head
● →	Modified Signal Head
—	N/A
—	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
(A)	"RIGHT TURN SIGNAL" Sign (R10-10)
(B)	Street Name Sign (D3-1)
(C)	"YIELD" Sign (R1-2)
(D)	Left Arrow "ONLY" Sign (R3-5L)

