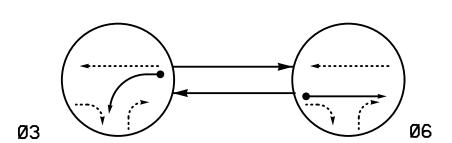
PHASING DIAGRAM



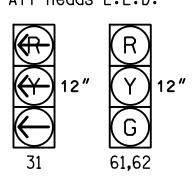
PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT
UNDETECTED MOVEMENT (OVERLAP)
UNSIGNALIZED MOVEMENT
PEDESTRIAN MOVEMENT

| TABLE OF OPERATION | | | | | |
|--------------------|-------|-------------|---------------|--|--|
| | PHASE | | | | |
| SIGNAL FACE | Ø۳ | © 60 | エーセのエ | | |
| 31 | ļ | # | -R | | |
| 61,62 | R | G | Υ | | |

| SIGNAL | FACE | I.D. |
|--------|------|------|
| | | |

All Heads L.E.D.



| OASIS 2070 LOOP & DETECTOR INSTALLATION CHAI | | | | | | | AR | Т | | | | |
|--|--------------|-------------------------------------|-------|----------------------|-------|---------|-----------|-----------------|-----------------|---------------|-------------|----------|
| INDUCTIVE LOOPS | | | | DETECTOR PROGRAMMING | | | | | | | | |
| LOOP | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | NEW LOOP | PHASE | CALLING | EXTENSION | FULL TIME DELAY | STRETCH TIME | DELAY TIME | SYSTEM LOOP | NEW CARD |
| 3A | 6X40 | 0 | 2-4-2 | Υ | 3 | Y | Y | 1 | 1 | 1 | - | 1 |
| 6A/S1 | 6X6 | 300 | 6 | - | 6 | Y | Y | - | - | | Υ | - |

2 Phase Fully Actuated (Gastonia City Signal System)

PROJECT REFERENCE NO.

I-5000

<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.
- Reposition signal heads 31,
 and 62.
- 4. Set all detector units to presence mode.
- 5. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 6. Signal System data: Controller Asset #0023.

LEGEND

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

Right of Way

Directional Arrow
Guardrail

"YIELD" Sign (R1-2)

Construction Zone

Construction Zone Drums

Construction Zone Barricade

----- 2-in Underground Conduit

| | | Direct Bury | | | | |
|-------|----------------------------|--|--|--|--|--|
| B / W | US 321 (N. Chester Street) | | | | | |
| R/W | 45 MPH -1% Grade | 45 MPH +1% Grade 31 31 32 (N. Chester Street) | | | | |

| 0ASIS 2070 | | | | | | | |
|-------------------------|-------|------------|--|--|--|--|--|
| TIMING CHART | | | | | | | |
| | PHASE | | | | | | |
| FEATURE | 3 | 6 | | | | | |
| Min Green 1 * | 7 | 12 | | | | | |
| Extension 1 * | 2.0 | 6.0 | | | | | |
| Max Green 1 * | 20 | 90 | | | | | |
| Yellow Clearance | 3.0 | 4.6 | | | | | |
| Red Clearance | 3.2 | 1.3 | | | | | |
| Red Revert | 2.0 | 2.0 | | | | | |
| Walk 1 * | - | - | | | | | |
| Don't Walk 1 | - | - | | | | | |
| Seconds Per Actuation * | - | 2.5 | | | | | |
| Max Variable Initial * | - | 34 | | | | | |
| Time Before Reduction * | - | 15 | | | | | |
| Time To Reduce * | - | 30 | | | | | |
| Minimum Gap | - | 3.0 | | | | | |
| Recall Mode | - | MIN RECALL | | | | | |
| Vehicle Call Memory | - | YELLOW | | | | | |
| Dual Entry | - | - | | | | | |

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

ON

Simultaneous Gap

ON

Temporary Signal Phase 1, Steps 6 & 7

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



US 321 (N. Chester Street) at I-85 Southbound Ramp

<u>PROPOSED</u>

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Division 12 Gaston Co. Gastonic

PLAN DATE: September 2016 REVIEWED BY: T.R. Terrell

PREPARED BY: J.A. Wagner REVIEWED BY: N.R. Simmons

REVISIONS INIT. DATE

SEAL 031464

DocuSigned by:

11/8/20

<u>EXISTING</u>

●→

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1 1

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N/A

HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: J.A. Wagner REVIEWED BY: N.R. Simmons

SCALE

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1"=50'

PREPARED BY: J.A. Wagner REVIEWED BY: N.R. Simmons

INIT. DATE

Docusigned by:

11/8/201

SIGNATURE

DATE

SIG. INVENTORY NO. 12-0023T3