

3 Phase Semi-Actuated (High Point 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. Phase 5 may be lagged.
- 4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 5. Program pedestrian heads to countdown the flashing "Don't
- 6. Pavement markings are existing.
- chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND <u>PROPOSED</u> <u>EXISTING</u> Traffic Signal Head \bigcirc Modified Signal Head N/A **O**-> 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 \longrightarrow Directional Arrow Metal Pole with Mastarm Curb Ramp Street Name Sign (D3-1) © Right "ONE WAY" Arrow Sign (R6-1R) © D Left "ONE WAY" Arrow Sign (R6-1L)

Walk" time only. 7. Maximum times shown in timing

| gnal Upgrade | | |
|---|----|--------|
| Prepared in the Offices of: | SR | 1009 (|
| Constitution of the second of | | SR 130 |

P21, P22 P61, P62

P81, P82

P83, P84

(South Main Street) 00 (Green Drive)

High Point

REVISIONS INIT. DATE

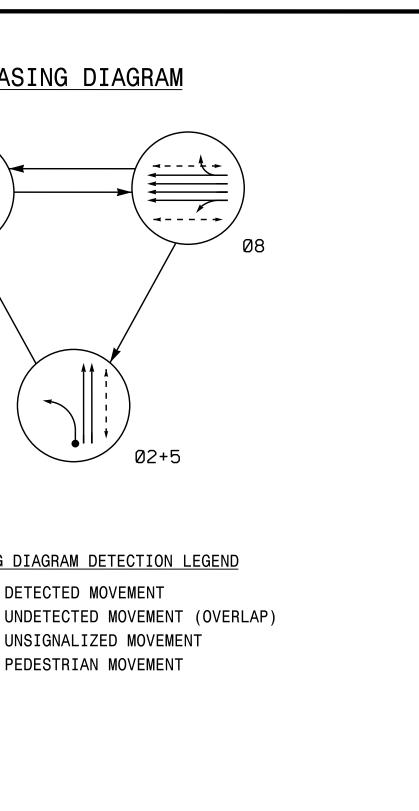


TABLE OF OPERATION

SIGNAL

FACE

21, 22

61,62

81, 82, 83, 84

P21, P22

P61, P62

PHASE

DW - Don't Walk

PHASING DIAGRAM

02+6

02+5

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

<−−> PEDESTRIAN MOVEMENT

UNSIGNALIZED MOVEMENT

| DW DW W DRK DRK - Dark | | S S S S S S S S S S | All Heads L.E Louvered Sec 12" R T2" C G R 12" C G R 12" C G G 51 81, 82, 83, 84 21, 61, |
|--|---|---------------------------------------|---|
| MetalPole #3 — SR 1300 (West Green Drive) | P62 P81 P81 B 84 A 83 | 51 © 21 A 22 P82 | 35 MPH +1% Grade |
| Me†alPole #2 | 82 81 62 61 C A A T B T P83 | P22 P84 | SR 1300 (East Green Drive) |
| | 9 (South Main Street) | 35 MPH +1% Grade | |
| | SR 1009 | | Sign |

35

| OASIS 2070 TIMING CHART | | | | |
|-------------------------|----------------|-----|----------------|----------------|
| | PHASE | | | |
| FEATURE | 2 | 5 | 6 | 8 |
| Min Green 1 * | 10 | 7 | 10 | 7 |
| Extension 1 * | 0.0 | 2.0 | 0.0 | 0.0 |
| Max Green 1 * | 35 | 20 | 35 | 25 |
| Yellow Clearance | 3.8 | 3.0 | 3.8 | 3.8 |
| Red Clearance | 1.3 | 2.1 | 1.3 | 1.7 |
| Walk 1 * | 7 | - | 7 | 7 |
| Don't Walk 1 | 11 | - | 12 | 18 |
| Seconds Per Actuation * | - | - | - | - |
| Max Variable Initial* | - | - | - | - |
| Time Before Reduction * | - | - | - | - |
| Time To Reduce * | - | - | - | - |
| Minimum Gap | - | - | - | - |
| Recall Mode | MAX/PED RECALL | - | MAX/PED RECALL | MAX/PED RECALL |
| Vehicle Call Memory | - | - | - | - |
| Dual Entry | - | - | - | - |
| Simultaneous Gap | ON | ON | ON | ON |

* 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

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

DETECTOR PROGRAMMING

SIGNAL FACE I.D.

All Heads L.E.D.

21, 22 61, 62

Louvered Section

STRETCH DELAY

INDUCTIVE LOOPS

SIZE

FROM

STOPBAR

5A 6X40 0 2-4-2 Y 5 Y Y -

Division 7 Guilford County

PLAN DATE: September 2014 REVIEWED BY: 50 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: Jeff Spence REVIEWED BY:

026486 SIG. INVENTORY NO. 07-0787