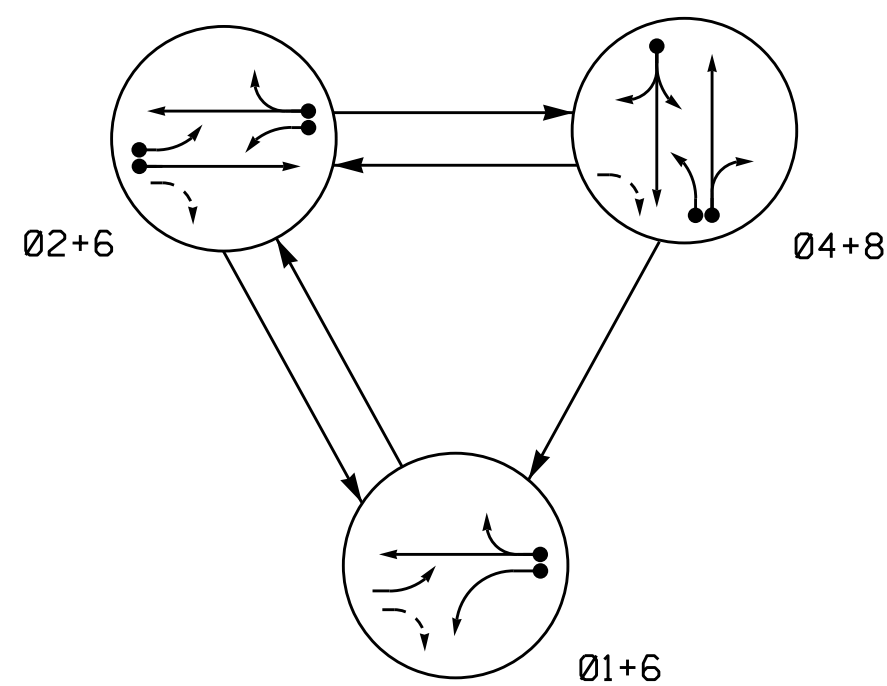


PHASING DIAGRAM

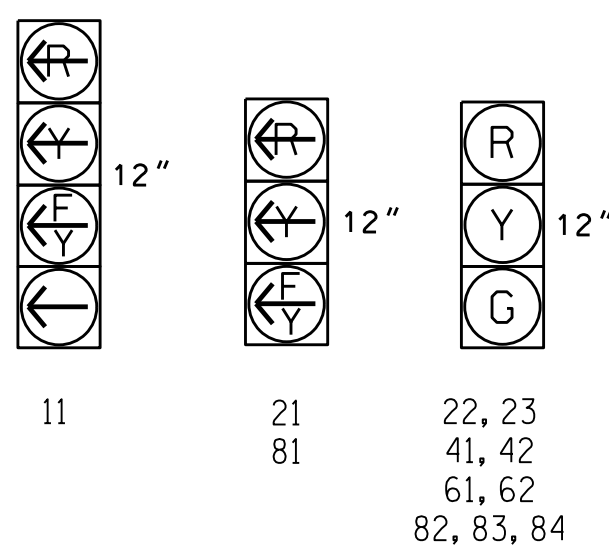


**TABLE OF OPERATION**

| SIGNAL FACE | PHASE   |         |         |         |         |
|-------------|---------|---------|---------|---------|---------|
|             | Ø 1 + 6 | Ø 2 + 6 | Ø 4 + 8 | Ø 1 + 6 | F L S A |
| 11          | ←       | ←       | ←       | ←       | ←       |
| 21          | ←       | ←       | ←       | ←       | ←       |
| 22, 23      | R       | G       | R       | Y       |         |
| 41, 42      | R       | R       | G       | R       |         |
| 61, 62      | G       | G       | R       | Y       |         |
| 81          | ←       | ←       | ←       | ←       | ←       |
| 82, 83, 84  | R       | R       | G       | R       |         |

SIGNAL FACE I.D.

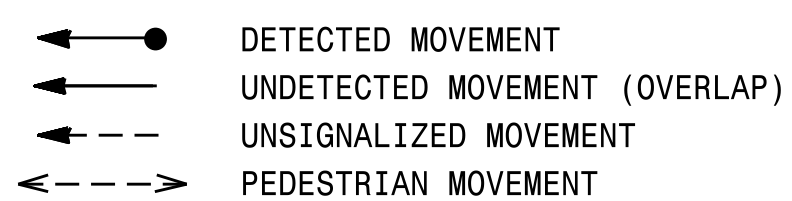
All Heads L.E.D.



**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

| LOOP | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | NEW LOOP | DETECTOR PROGRAMMING |         |           |                 |              |            |             |          |
|------|-----------|----------------------------|-------|----------|----------------------|---------|-----------|-----------------|--------------|------------|-------------|----------|
|      |           |                            |       |          | PHASE                | CALLING | EXTENSION | FULL TIME DELAY | STRETCH TIME | DELAY TIME | LOOP SYSTEM | NEW CARD |
| 1A   | 6X40      | 0                          | 2-4-2 | Y        | 1                    | Y       | Y         | -               | -            | 15         | -           | Y        |
| 2A   | 6X6       | 300                        | 5     | Y        | 2                    | Y       | Y         | -               | -            | 3          | -           | Y        |
| 2B   | 6X40      | 0                          | 2-4-2 | Y        | 2                    | Y       | Y         | -               | -            | 3          | -           | Y        |
| 4A   | 6X40      | 0                          | 2-4-2 | Y        | 4                    | Y       | Y         | -               | -            | 3          | -           | Y        |
| 4B   | 6X6       | 0                          | 4     | Y        | 4                    | Y       | Y         | -               | -            | 15         | -           | Y        |
| 6A   | 6X6       | 300                        | 5     | Y        | 6                    | Y       | Y         | -               | -            | 3          | -           | Y        |
| 8A   | 6X40      | 0                          | 2-4-2 | Y        | 8                    | Y       | Y         | -               | -            | 10         | -           | Y        |
| 8B   | 6X40      | 0                          | 2-4-2 | Y        | 8                    | Y       | Y         | -               | -            | 15         | -           | Y        |
| 8C   | 6X15      | 0                          | 4     | Y        | 8                    | Y       | Y         | -               | -            | 15         | -           | Y        |
| S4   | 6X6       | +150                       | 4     | Y        | -                    | -       | -         | -               | -            | -          | Y           | Y        |

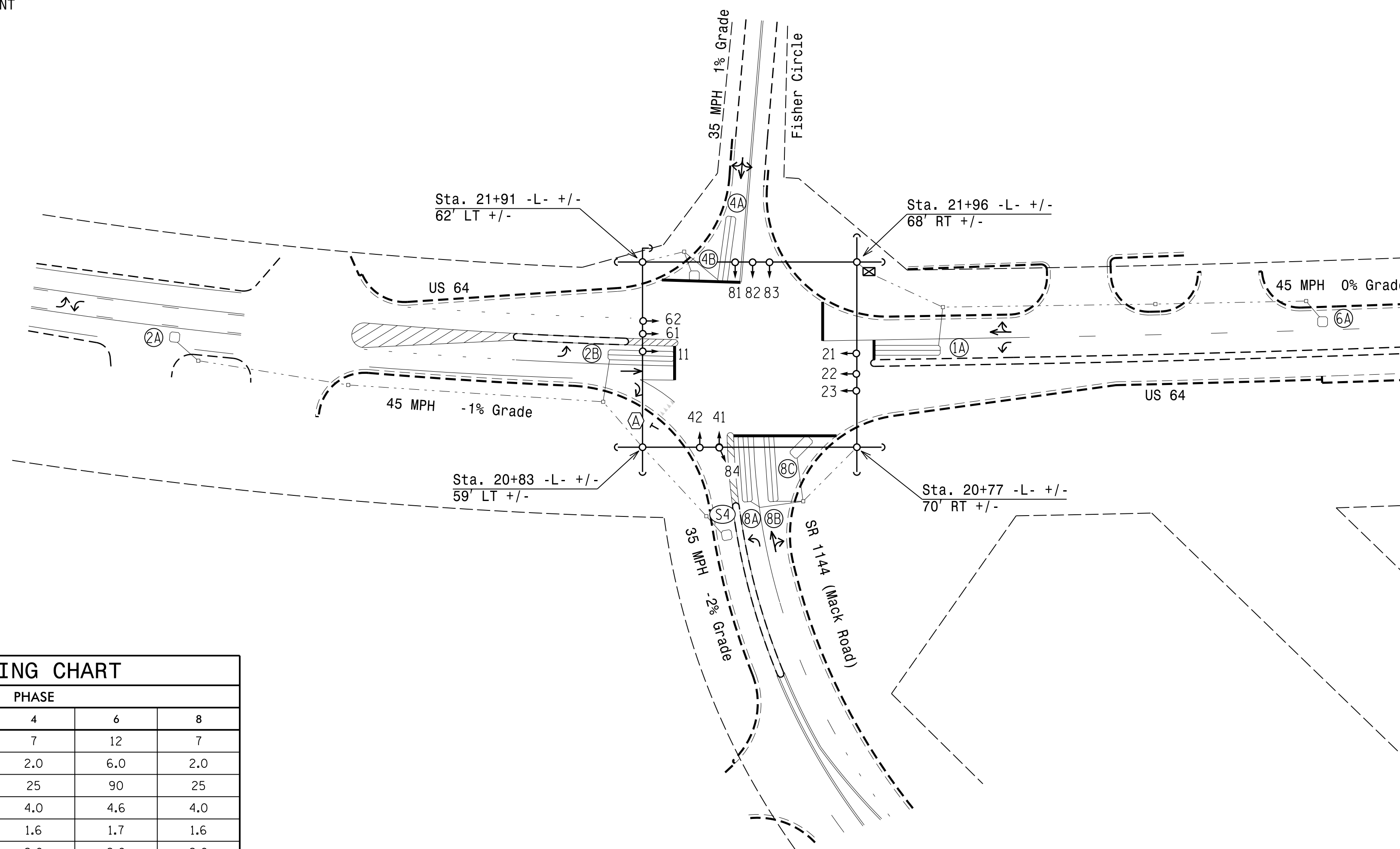
PHASING DIAGRAM DETECTION LEGEND



3 Phase Fully Actuated (US 64/NC 49 Closed Loop System)

NOTES

- 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.
- Phase 1 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data: Controller Asset #: 0507.

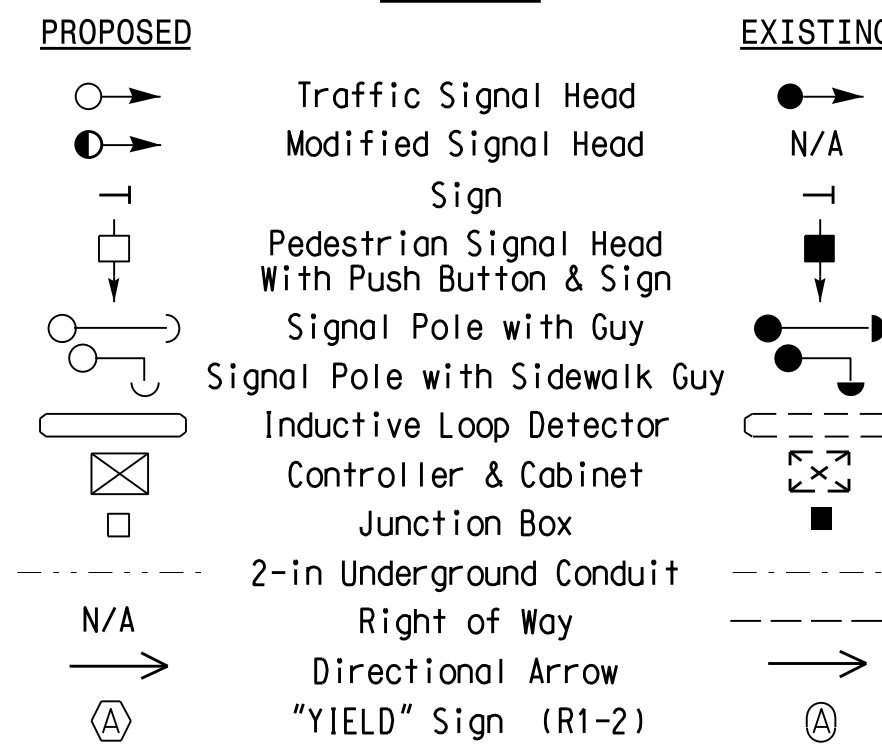


**OASIS 2070 TIMING CHART**

| FEATURE                 | PHASE |            |     |            |     |
|-------------------------|-------|------------|-----|------------|-----|
|                         | 1     | 2          | 4   | 6          | 8   |
| Min Green 1 *           | 7     | 12         | 7   | 12         | 7   |
| Extension 1 *           | 2.0   | 6.0        | 2.0 | 6.0        | 2.0 |
| Max Green 1 *           | 35    | 90         | 25  | 90         | 25  |
| Yellow Clearance        | 3.0   | 4.6        | 4.0 | 4.6        | 4.0 |
| Red Clearance           | 3.2   | 1.7        | 1.6 | 1.7        | 1.6 |
| Red Revert              | 2.0   | 2.0        | 2.0 | 2.0        | 2.0 |
| Walk 1 *                | -     | -          | -   | -          | -   |
| Don't Walk 1            | -     | -          | -   | -          | -   |
| Seconds Per Actuation * | -     | 2.5        | -   | 2.5        | -   |
| Max Variable Initial *  | -     | 34         | -   | 34         | -   |
| Time Before Reduction * | -     | 15         | -   | 15         | -   |
| Time To Reduce *        | -     | 30         | -   | 30         | -   |
| Minimum Gap             | -     | 3.0        | -   | 3.0        | -   |
| Recall Mode             | -     | MIN RECALL | -   | MIN RECALL | -   |
| Vehicle Call Memory     | -     | YELLOW     | -   | YELLOW     | -   |
| Dual Entry              | -     | -          | ON  | -          | ON  |
| Simultaneous Gap        | ON    | 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.

LEGEND



New Installation

Prepared In the Offices of:

**Transporation Mobility and Safety Solutions**  
MEMBER OF THE TRANSPORTATION SIGNAL DESIGN SECTION

750 N. Greenfield Pkwy, Garner, NC 27529

**US 64 at SR 1144 (Mack Road) and Fisher Circle**  
 Randolph County Asheboro

Division 8

PLAN DATE: March 2014 REVIEWED BY:

PREPARED BY: I. O. Umozurike REVIEWED BY:

REVISIONS: INIT. DATE

SCALE: 1" = 50'

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 026486  
 ROBERT J. ZIEGLER

SIG. INVENTORY NO. 08-0507

4/1/2015