

|                       |           |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| U-4758                | Sig. 28.0 |

PHASING DIAGRAM

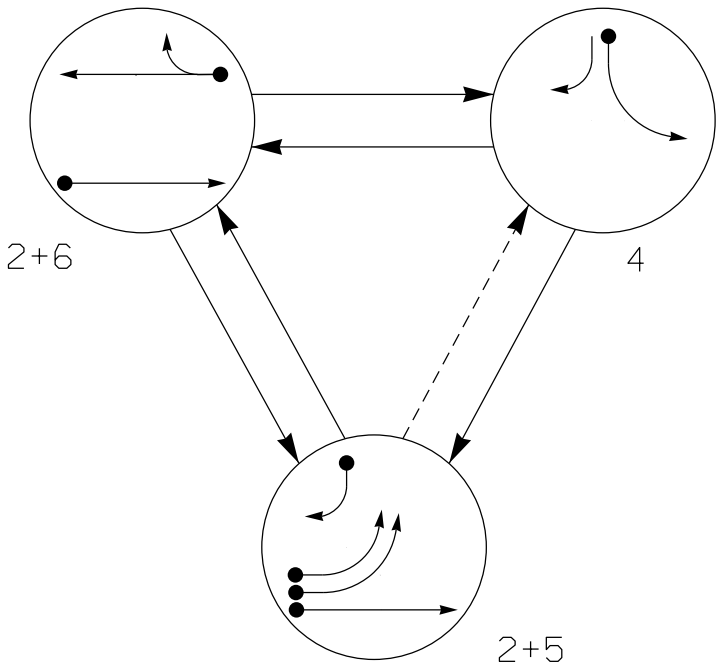


TABLE OF OPERATION

| SIGNAL FACE | PHASE |     |   |        |
|-------------|-------|-----|---|--------|
|             | 2+5   | 2+6 | 4 | FLIGHT |
| 2l, 22      | G     | G   | R | R      |
| 4l          | R     | R   | L | R      |
| 42, 43      | R     | R   | R | R      |
| 5l, 52      | L     | R   | R | R      |
| 6l          | R     | L   | R | R      |
| 62          | R     | G   | R | R      |

| ASC/3 DETECTOR INSTALLATION CHART |           |                            |       |          |             |         |             |            |                   |      |             |          |
|-----------------------------------|-----------|----------------------------|-------|----------|-------------|---------|-------------|------------|-------------------|------|-------------|----------|
| DETECTOR                          |           |                            |       |          | PROGRAMMING |         |             |            |                   |      |             |          |
| LOOP                              | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | URNS  | NEW LOOP | PHASE       | CALLING | EXTEND TIME | DELAY TIME | USE ADDED INITIAL | TYPE | SYSTEM LOOP | NEW CARD |
| 2A                                | 6X6       | 420                        | 6     | X        | 2           | Yes     | -           | -          | X                 | N    | -           | X        |
| 4A                                | 6X40      | 0                          | 2-4-2 | X        | 4           | Yes     | -           | -          | -                 | N    | -           | X        |
| 5A                                | 6X40      | 0                          | 2-4-2 | X        | 5           | Yes     | -           | -          | -                 | N    | -           | X        |
| 5B                                | 6X40      | 0                          | 2-4-2 | X        | 5           | Yes     | -           | -          | -                 | N    | -           | X        |
| 5C                                | 6X40      | 0                          | 2-4-2 | X        | 5           | Yes     | -           | 15.0       | -                 | N    | -           | X        |
| 6A                                | 6X6       | 420                        | 6     | X        | 6           | Yes     | -           | -          | X                 | N    | -           | X        |

3 Phase  
Fully Actuated  
(High Point Signal System)

NOTES

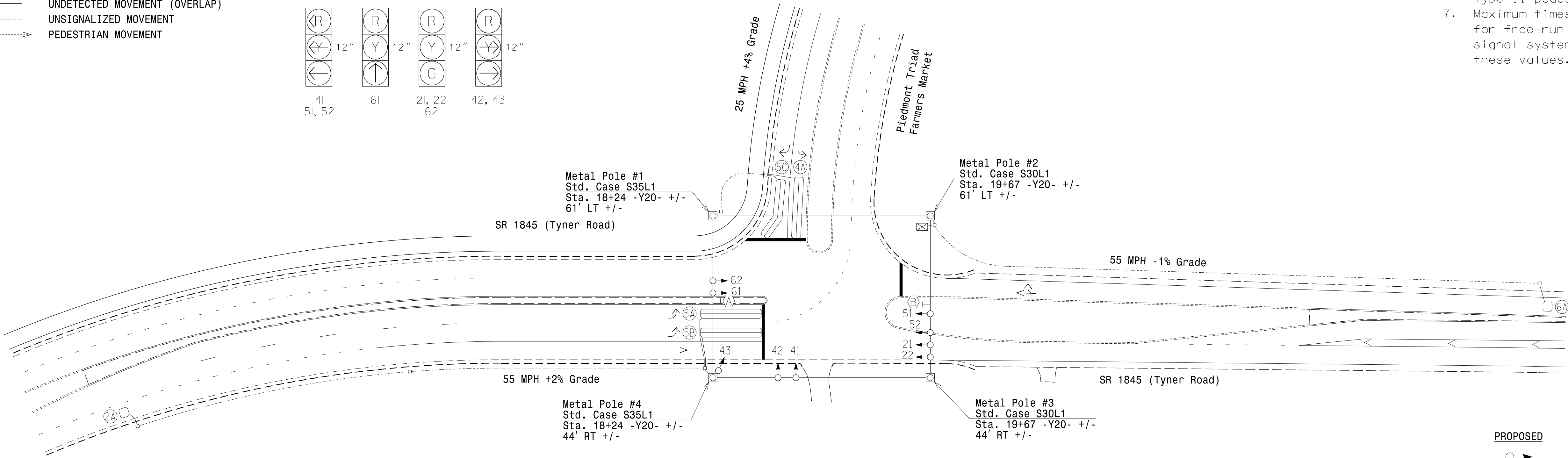
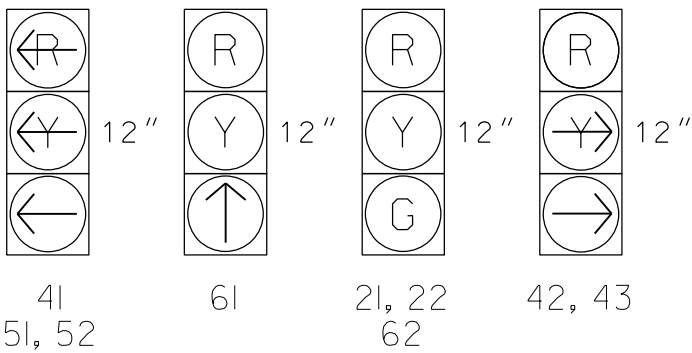
- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 5 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Metal poles, Type I pushbutton posts and Type II pedestals shall be BLACK in color.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE I.D.

All Heads L.E.D.



ASC/3 TIMING CHART

| FEATURE                 | PHASE       |     |     |             |
|-------------------------|-------------|-----|-----|-------------|
|                         | 2           | 4   | 5   | 6           |
| Min Green *             | 12          | 7   | 7   | 12          |
| Delayed Green           | -           | -   | -   | -           |
| Walk *                  | -           | -   | -   | -           |
| Ped Clear               | -           | -   | -   | -           |
| Veh. Extension *        | 6.0         | 2.0 | 2.0 | 6.0         |
| Max l *                 | 90          | 30  | 30  | 90          |
| Yellow                  | 5.3         | 3.0 | 3.0 | 5.3         |
| Red Clear               | 1.2         | 3.1 | 2.8 | 1.2         |
| Actuations B4 Add *     | -           | -   | -   | -           |
| Seconds /Actuation *    | 2.5         | -   | -   | 2.5         |
| Max Initial *           | 46          | -   | -   | 46          |
| Time Before Reduction * | 15          | -   | -   | 15          |
| Time To Reduce *        | 30          | -   | -   | 30          |
| Minimum Gap             | 3.4         | -   | -   | 3.4         |
| Locking Detector        | X           | -   | -   | X           |
| Recall Position **      | SOFT RECALL | -   | -   | SOFT RECALL |
| Dual Entry              | -           | -   | -   | -           |
| Simultaneous Gap        | X           | X   | X   | X           |

\* 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.  
\*\* May be changed to Min Recall by Time of Day at discretion of City Traffic Engineer.

LEGEND

- | PROPOSED |                                            | EXISTING |
|----------|--------------------------------------------|----------|
|          | Traffic Signal Head                        | N/A      |
|          | Modified Signal Head                       | N/A      |
|          | Sign                                       |          |
|          | Pedestrian Signal Head                     |          |
|          | 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                          |          |
|          | Metal Strain Pole                          |          |
|          | No U-Turn/No Left Turn Sign (R3-18)        |          |
|          | "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) |          |

New Installation

**AtkinsRéal**  
1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEES #F-0326

|                                                                         |                                                                      |                             |                            |      |
|-------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------|----------------------------|------|
| <br>750 N. Greenfield Pkwy, Garner, NC 27529<br>SCALE<br>0 40<br>1"=40' | <b>SR 1845 (Tyner Road)<br/>at<br/>Piedmont Triad Farmers Market</b> |                             |                            |      |
|                                                                         | Division 7    Guilford County    High Point                          |                             |                            |      |
|                                                                         | PLAN DATE: January 2025                                              | REVIEWED BY: AM Encarnacion |                            |      |
|                                                                         | PREPARED BY: JT Stiff                                                | REVIEWED BY: PL Alexander   |                            |      |
| REVISIONS                                                               | INIT.                                                                | DATE                        | SIGNATURE                  | DATE |
|                                                                         |                                                                      |                             |                            |      |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED           |                                                                      |                             | SIC. INVENTORY NO. 07-1120 |      |