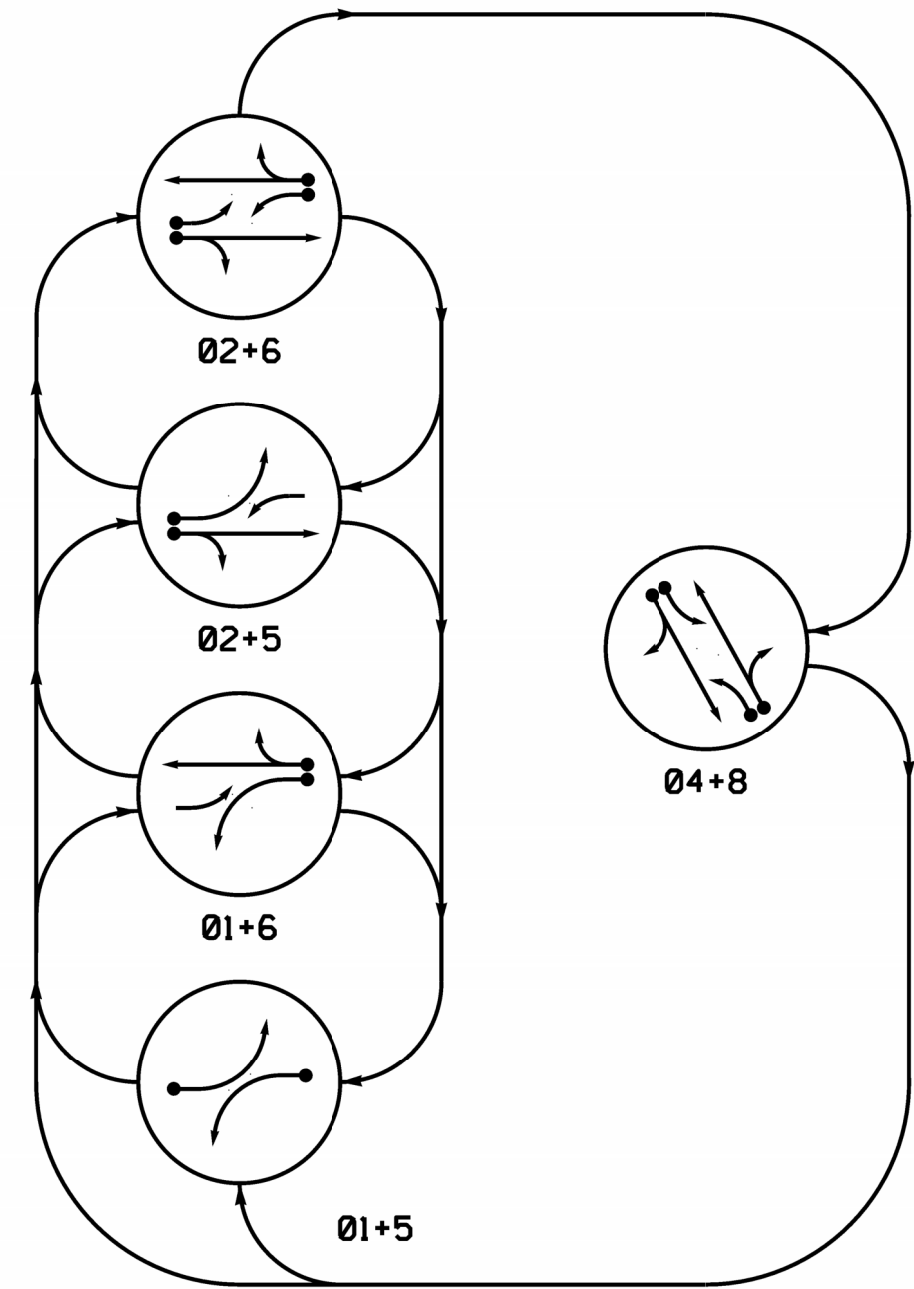


PHASING DIAGRAM



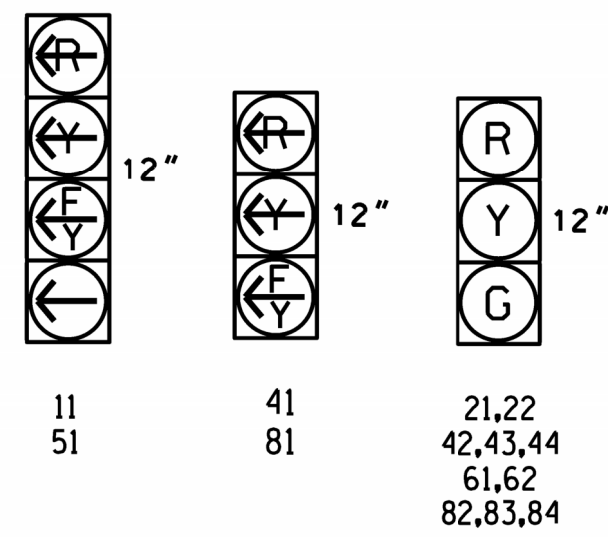
PHASING DIAGRAM DETECTION LEGEND

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ←- - - PEDESTRIAN MOVEMENT

| SIGNAL FACE | PHASE |      |      |      |      |    |
|-------------|-------|------|------|------|------|----|
|             | 01+5  | 01+6 | 02+5 | 02+6 | 04+8 | FS |
| 11          | —     | —    | —    | —    | —    | —  |
| 21,22       | R     | R    | G    | G    | R    | Y  |
| 41          | R     | R    | R    | R    | G    | R  |
| 42,43,44    | R     | R    | R    | R    | G    | R  |
| 51          | —     | —    | —    | —    | —    | —  |
| 61,62       | R     | G    | R    | G    | R    | Y  |
| 81          | R     | R    | R    | R    | G    | R  |
| 82,83,84    | R     | R    | R    | R    | G    | R  |

SIGNAL FACE I.D.

All Heads L.E.D.



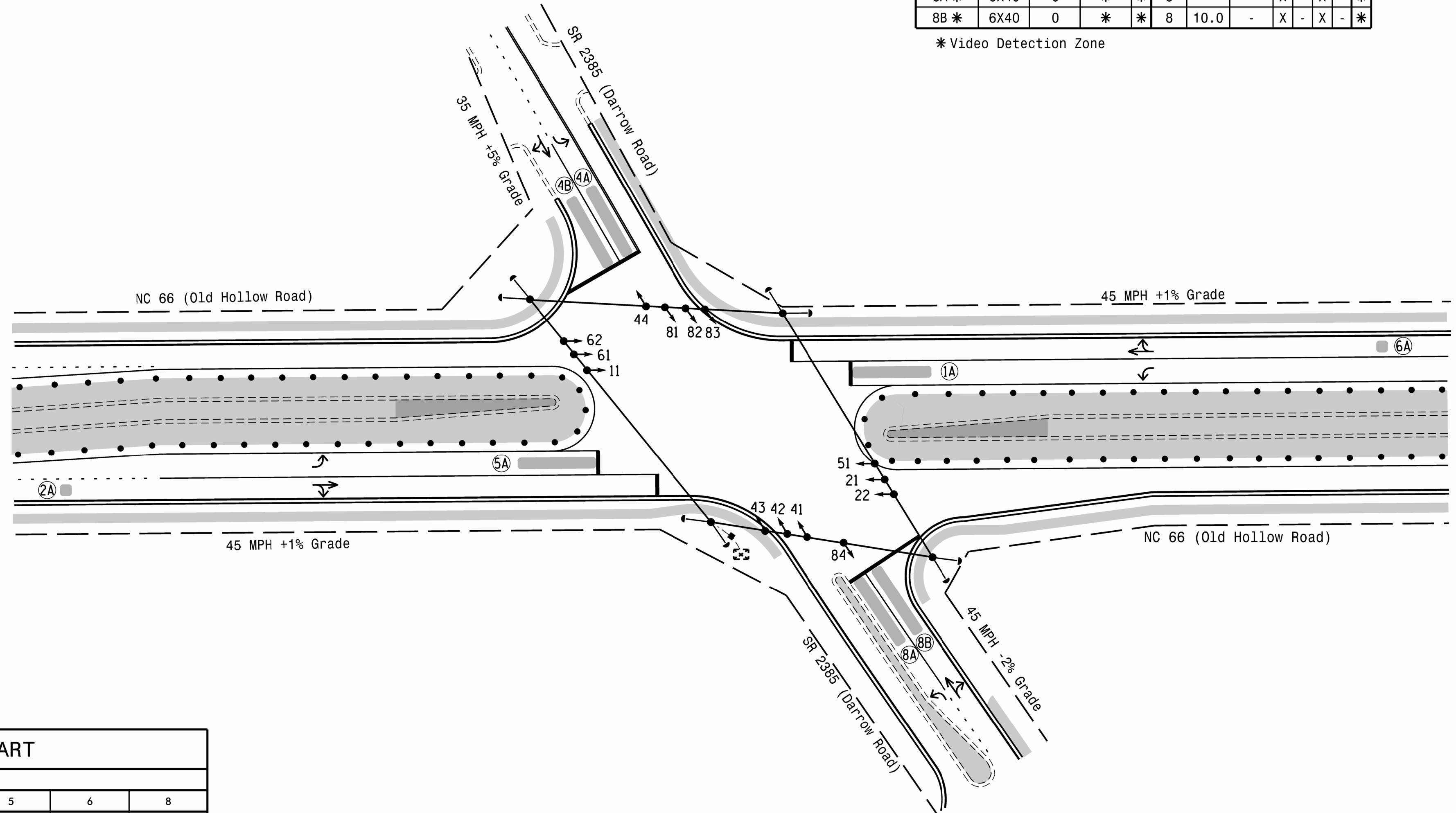
| MAXTIME DETECTOR INSTALLATION CHART |           |                            |       |          |             |            |             |        |                    |                    |          |
|-------------------------------------|-----------|----------------------------|-------|----------|-------------|------------|-------------|--------|--------------------|--------------------|----------|
| ZONE                                | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | NEW LOOP | PROGRAMMING |            |             |        |                    |                    |          |
|                                     |           |                            |       |          | CALL PHASE  | DELAY TIME | EXTEND TIME | EXTEND | ADDED INITIAL CALL | DELAY DURING GREEN | NEW CARD |
| 1A *                                | 6X40      | 0                          | *     | *        | 1           | 10.0       | -           | X      | -                  | X                  | *        |
|                                     |           |                            |       |          | 6           | 3.0        | -           | X      | -                  | X                  | *        |
| 2A *                                | 6X6       | 300                        | *     | *        | 2           | -          | -           | X      | X                  | X                  | *        |
| 4A *                                | 6X40      | 0                          | *     | *        | 4           | 3.0        | -           | X      | -                  | X                  | *        |
| 4B *                                | 6X40      | 0                          | *     | *        | 4           | 10.0       | -           | X      | -                  | X                  | *        |
| 5A *                                | 6X40      | 0                          | *     | *        | 5           | 10.0       | -           | X      | -                  | X                  | *        |
|                                     |           |                            |       |          | 2           | 3.0        | -           | X      | -                  | X                  | *        |
| 6A *                                | 6X6       | 300                        | *     | *        | 6           | -          | -           | X      | X                  | X                  | *        |
| 8A *                                | 6X40      | 0                          | *     | *        | 8           | -          | -           | X      | -                  | X                  | *        |
| 8B *                                | 6X40      | 0                          | *     | *        | 8           | 10.0       | -           | X      | -                  | X                  | *        |

\* Video Detection Zone

5 Phase Fully Actuated (Isolated)

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.
- Set all detector units to presence mode.
- Reposition existing signal heads numbered 11, 61, and 62.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



MAXTIME TIMING CHART

| FEATURE                 | PHASE |            |     |     |            |     |
|-------------------------|-------|------------|-----|-----|------------|-----|
|                         | 1     | 2          | 4   | 5   | 6          | 8   |
| Walk *                  | -     | -          | -   | -   | -          | -   |
| Ped Clear *             | -     | -          | -   | -   | -          | -   |
| Min Green *             | 7     | 12         | 7   | 7   | 12         | 7   |
| Passage *               | 2.0   | 6.0        | 2.0 | 2.0 | 6.0        | 2.0 |
| Max I *                 | 20    | 50         | 30  | 20  | 50         | 30  |
| Yellow Change           | 3.0   | 4.4        | 4.7 | 3.0 | 4.4        | 4.7 |
| Red Clear               | 2.8   | 1.5        | 3.5 | 2.9 | 1.5        | 3.5 |
| Added Initial *         | -     | 3.0        | -   | -   | 3.0        | -   |
| Maximum Initial *       | -     | 34         | -   | -   | 34         | -   |
| Time Before Reduction * | -     | 15         | -   | -   | 15         | -   |
| Time To Reduce *        | -     | 30         | -   | -   | 30         | -   |
| Minimum Gap             | -     | 3.0        | -   | -   | 3.0        | -   |
| Advance Walk            | -     | -          | -   | -   | -          | -   |
| Non Lock Detector       | X     | -          | X   | X   | -          | X   |
| Vehicle Recall          | -     | MIN RECALL | -   | -   | MIN RECALL | -   |
| Dual Entry              | -     | -          | X   | -   | -          | X   |

\* These values may be field adjusted. Do not adjust Min Green and Passage 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

- | PROPOSED   | EXISTING   |
|--|--|
| ○ → Traffic Signal Head                          | ● → Traffic Signal Head                          |
| ○ → Modified Signal Head                         | N/A  |
| ⊥ Sign   | ⊥ Sign   |
| ⊥ Pedestrian Signal Head With Push Button & Sign | ⊥ Pedestrian Signal Head With Push Button & Sign |
| ○ Signal Pole with Guy                           | ○ Signal Pole with Guy                           |
| ○ Signal Pole with Sidewalk Guy                  | ○ Signal Pole with Sidewalk Guy                  |
| Video Detection Zone                             | Video Detection Zone                             |
| Controller & Cabinet                             | Controller & Cabinet                             |
| Junction Box                                     | Junction Box                                     |
| 2-in Underground Conduit                         | 2-in Underground Conduit                         |
| N/A Right of Way                                 | Right of Way                                     |
| → Directional Arrow                              | → Directional Arrow                              |
| Construction Zone                                | Construction Zone                                |
| • • Construction Zone Drums                      | • • Construction Zone Drums                      |

Signal Upgrade - Temporary Design 3 (TMP Phase III - Step 1)

|   |   |  |                         |  |
|---|---|--|-------------------------|--|
| Prepared in the Office of:<br><br>NC FIRM LICENSE No: P-0339<br>320 Executive Court<br>Hillsborough, NC 27278<br>(919) 732-3883<br>(919) 732-6676 (FAX) | Prepared For:<br><br>750 N. Greenfield Pkwy, Corner, NC 27525<br>SCALE 1" = 40' | NC 66 (Old Hollow Road)<br>at<br>SR 2385 (Darrow Road)   |                         | SEAL<br><br>Edward W. Sirgany<br>DATE 9/7/2023<br>SIG. INVENTORY NO. 09-065413 |
|   |   | Division 9 Forsyth County Walkertown<br>PLAN DATE: August 2023 REVIEWED BY: E. Sirgany<br>PREPARED BY: J. Smith REVIEWED BY: | REVISIONS<br>INIT. DATE |  |